

Bios 6301: Assignment 8

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39/40 Good!

Due Tuesday, 14 November, 1:00 PM

Question 1

```
#installing 'readxl' package and running code.
fn <- 'icd10.xlsx'
if(file.access(fn, mode = 4) == -1) {
  url <- "https://www.cdc.gov/nhsn/xls/icd10-pcs-pcm-nhsn-opc.xlsx"
  download.file(url, destfile = fn, mode = 'wb')
}
dat <- readxl::read_excel(fn, sheet = 2)
```

```
#1.
#showing class of dat.
cat("class of dat:", class(dat), "\n")
```

```
## class of dat: tbl_df tbl data.frame
```

```
#2.
#displaying methods available for classes of dat.
#since there are multiple classes, looping through and determining methods associated with each class.
cat("Methods for the classes of dat:\n")
```

```
## Methods for the classes of dat:
```

```
for(class_name in class(dat)) {
  cat("class:", class_name, "\n")
  print(methods(class = class_name))
  cat("\n")
}
```

```
## class: tbl_df
## [1] $          $<-          [          [[          [[<-
## [6] [<-        as.data.frame coerce    initialize names<-
## [11] Ops        row.names<- show        slotsFromS3 str
## see '?methods' for accessing help and source code
##
## class: tbl
## [1] $<-        [[<-        [<-        coerce      format      initialize
## [7] Ops        print        show        slotsFromS3
```

```
## see '?methods' for accessing help and source code
##
## class: data.frame
## [1] $<-      [      [[      [[<-      [<-
## [6] aggregate anyDuplicated anyNA      as.data.frame as.list
## [11] as.matrix  as.vector  by      cbind        coerce
## [16] dim        dimnames   dimnames<- droplevels   duplicated
## [21] edit       format     formula   head         initialize
## [26] is.na      Math       merge     na.exclude   na.omit
## [31] Ops        plot       print     prompt       rbind
## [36] row.names  row.names<- rowsum    show         slotsFromS3
## [41] split      split<-    stack     str          subset
## [46] summary    Summary    t         tail         transform
## [51] type.convert unique      unstack   within       xtfrm
## see '?methods' for accessing help and source code
```

```
#3.
#calling print(dat) to look at print method being dispatched.
print(dat)
```

```
## # A tibble: 8,993 x 4
##   'Procedure Code Category' 'ICD-10-PCS Codes' 'Procedure Code Descriptions'
##   <chr>                   <chr>                 <chr>
## 1 AAA                    04B00ZZ               Excision of Abdominal Aorta, Op~
## 2 AAA                    04B04ZZ               Excision of Abdominal Aorta, Pe~
## 3 AAA                    04R007Z               Replacement of Abdominal Aorta ~
## 4 AAA                    04R00JZ               Replacement of Abdominal Aorta ~
## 5 AAA                    04R00KZ               Replacement of Abdominal Aorta ~
## 6 AAA                    04R047Z               Replacement of Abdominal Aorta ~
## 7 AAA                    04R04JZ               Replacement of Abdominal Aorta ~
## 8 AAA                    04R04KZ               Replacement of Abdominal Aorta ~
## 9 AMP                    0X600ZZ               Detachment at Right Forequarter~
## 10 AMP                   0X610ZZ               Detachment at Left Forequarter,~
## # i 8,983 more rows
## # i 1 more variable: 'Code Status' <chr>
```

```
#A tibble is being utilized as the print method
so, is this tbl_df or tbl?
```

```
#4.
#setting class of 'dat' to be a data.frame
class(dat) <- "data.frame"
cat("class of dat:", class(dat), "\n")
```

```
## class of dat: data.frame
```

```
#5.
#re-printing to determine if the print method has changed by
#setting class of 'dat' to be a data.frame.
print(dat)
```

```
##      Procedure Code Category ICD-10-PCS Codes
## 1      AAA                04B00ZZ
```

## 2	AAA	04B04ZZ
## 3	AAA	04R007Z
## 4	AAA	04R00JZ
## 5	AAA	04R00KZ
## 6	AAA	04R047Z
## 7	AAA	04R04JZ
## 8	AAA	04R04KZ
## 9	AMP	0X600ZZ
## 10	AMP	0X610ZZ
## 11	AMP	0X620ZZ
## 12	AMP	0X630ZZ
## 13	AMP	0X680Z1
## 14	AMP	0X680Z2
## 15	AMP	0X680Z3
## 16	AMP	0X690Z1
## 17	AMP	0X690Z2
## 18	AMP	0X690Z3
## 19	AMP	0X6B0ZZ
## 20	AMP	0X6C0ZZ
## 21	AMP	0X6D0Z1
## 22	AMP	0X6D0Z2
## 23	AMP	0X6D0Z3
## 24	AMP	0X6F0Z1
## 25	AMP	0X6F0Z2
## 26	AMP	0X6F0Z3
## 27	AMP	0X6J0Z0
## 28	AMP	0X6J0Z4
## 29	AMP	0X6J0Z5
## 30	AMP	0X6J0Z6
## 31	AMP	0X6J0Z7
## 32	AMP	0X6J0Z8
## 33	AMP	0X6J0Z9
## 34	AMP	0X6J0ZB
## 35	AMP	0X6J0ZC
## 36	AMP	0X6J0ZD
## 37	AMP	0X6J0ZF
## 38	AMP	0X6K0Z0
## 39	AMP	0X6K0Z4
## 40	AMP	0X6K0Z5
## 41	AMP	0X6K0Z6
## 42	AMP	0X6K0Z7
## 43	AMP	0X6K0Z8
## 44	AMP	0X6K0Z9
## 45	AMP	0X6K0ZB
## 46	AMP	0X6K0ZC
## 47	AMP	0X6K0ZD
## 48	AMP	0X6K0ZF
## 49	AMP	0X6L0Z0
## 50	AMP	0X6L0Z1
## 51	AMP	0X6L0Z2
## 52	AMP	0X6L0Z3
## 53	AMP	0X6M0Z0
## 54	AMP	0X6M0Z1
## 55	AMP	0X6M0Z2

## 56	AMP	0X6M0Z3
## 57	AMP	0X6N0Z0
## 58	AMP	0X6N0Z1
## 59	AMP	0X6N0Z2
## 60	AMP	0X6N0Z3
## 61	AMP	0X6P0Z0
## 62	AMP	0X6P0Z1
## 63	AMP	0X6P0Z2
## 64	AMP	0X6P0Z3
## 65	AMP	0X6Q0Z0
## 66	AMP	0X6Q0Z1
## 67	AMP	0X6Q0Z2
## 68	AMP	0X6Q0Z3
## 69	AMP	0X6R0Z0
## 70	AMP	0X6R0Z1
## 71	AMP	0X6R0Z2
## 72	AMP	0X6R0Z3
## 73	AMP	0X6S0Z0
## 74	AMP	0X6S0Z1
## 75	AMP	0X6S0Z2
## 76	AMP	0X6S0Z3
## 77	AMP	0X6T0Z0
## 78	AMP	0X6T0Z1
## 79	AMP	0X6T0Z2
## 80	AMP	0X6T0Z3
## 81	AMP	0X6V0Z0
## 82	AMP	0X6V0Z1
## 83	AMP	0X6V0Z2
## 84	AMP	0X6V0Z3
## 85	AMP	0X6W0Z0
## 86	AMP	0X6W0Z1
## 87	AMP	0X6W0Z2
## 88	AMP	0X6W0Z3
## 89	AMP	0Y620ZZ
## 90	AMP	0Y630ZZ
## 91	AMP	0Y640ZZ
## 92	AMP	0Y670ZZ
## 93	AMP	0Y680ZZ
## 94	AMP	0Y6C0Z1
## 95	AMP	0Y6C0Z2
## 96	AMP	0Y6C0Z3
## 97	AMP	0Y6D0Z1
## 98	AMP	0Y6D0Z2
## 99	AMP	0Y6D0Z3
## 100	AMP	0Y6F0ZZ
## 101	AMP	0Y6G0ZZ
## 102	AMP	0Y6H0Z1
## 103	AMP	0Y6H0Z2
## 104	AMP	0Y6H0Z3
## 105	AMP	0Y6J0Z1
## 106	AMP	0Y6J0Z2
## 107	AMP	0Y6J0Z3
## 108	AMP	0Y6M0Z0
## 109	AMP	0Y6M0Z4

## 110	AMP	OY6M0Z5
## 111	AMP	OY6M0Z6
## 112	AMP	OY6M0Z7
## 113	AMP	OY6M0Z8
## 114	AMP	OY6M0Z9
## 115	AMP	OY6M0ZB
## 116	AMP	OY6M0ZC
## 117	AMP	OY6M0ZD
## 118	AMP	OY6M0ZF
## 119	AMP	OY6N0Z0
## 120	AMP	OY6N0Z4
## 121	AMP	OY6N0Z5
## 122	AMP	OY6N0Z6
## 123	AMP	OY6N0Z7
## 124	AMP	OY6N0Z8
## 125	AMP	OY6N0Z9
## 126	AMP	OY6N0ZB
## 127	AMP	OY6N0ZC
## 128	AMP	OY6N0ZD
## 129	AMP	OY6N0ZF
## 130	AMP	OY6P0Z0
## 131	AMP	OY6P0Z1
## 132	AMP	OY6P0Z2
## 133	AMP	OY6P0Z3
## 134	AMP	OY6Q0Z0
## 135	AMP	OY6Q0Z1
## 136	AMP	OY6Q0Z2
## 137	AMP	OY6Q0Z3
## 138	AMP	OY6R0Z0
## 139	AMP	OY6R0Z1
## 140	AMP	OY6R0Z2
## 141	AMP	OY6R0Z3
## 142	AMP	OY6S0Z0
## 143	AMP	OY6S0Z1
## 144	AMP	OY6S0Z2
## 145	AMP	OY6S0Z3
## 146	AMP	OY6T0Z0
## 147	AMP	OY6T0Z1
## 148	AMP	OY6T0Z2
## 149	AMP	OY6T0Z3
## 150	AMP	OY6U0Z0
## 151	AMP	OY6U0Z1
## 152	AMP	OY6U0Z2
## 153	AMP	OY6U0Z3
## 154	AMP	OY6V0Z0
## 155	AMP	OY6V0Z1
## 156	AMP	OY6V0Z2
## 157	AMP	OY6V0Z3
## 158	AMP	OY6W0Z0
## 159	AMP	OY6W0Z1
## 160	AMP	OY6W0Z2
## 161	AMP	OY6W0Z3
## 162	AMP	OY6X0Z0
## 163	AMP	OY6X0Z1

## 164	AMP	0Y6X0Z2
## 165	AMP	0Y6X0Z3
## 166	AMP	0Y6Y0Z0
## 167	AMP	0Y6Y0Z1
## 168	AMP	0Y6Y0Z2
## 169	AMP	0Y6Y0Z3
## 170	APPY	0D5J0ZZ
## 171	APPY	0D5J4ZZ
## 172	APPY	0D9J00Z
## 173	APPY	0D9J0ZZ
## 174	APPY	0D9J40Z
## 175	APPY	0D9J4ZZ
## 176	APPY	0DBJ0ZZ
## 177	APPY	0DBJ4ZZ
## 178	APPY	0DCJ0ZZ
## 179	APPY	0DCJ4ZZ
## 180	APPY	0DQJ0ZZ
## 181	APPY	0DQJ4ZZ
## 182	APPY	0DTJ0ZZ
## 183	APPY	0DTJ4ZZ
## 184	AVSD	031209D
## 185	AVSD	031209F
## 186	AVSD	031209W
## 187	AVSD	03120AD
## 188	AVSD	03120AF
## 189	AVSD	03120AW
## 190	AVSD	03120JD
## 191	AVSD	03120JF
## 192	AVSD	03120JW
## 193	AVSD	03120KD
## 194	AVSD	03120KF
## 195	AVSD	03120KW
## 196	AVSD	03120ZD
## 197	AVSD	03120ZF
## 198	AVSD	03120ZW
## 199	AVSD	031309D
## 200	AVSD	031309F
## 201	AVSD	031309W
## 202	AVSD	03130AD
## 203	AVSD	03130AF
## 204	AVSD	03130AW
## 205	AVSD	03130JD
## 206	AVSD	03130JF
## 207	AVSD	03130JW
## 208	AVSD	03130KD
## 209	AVSD	03130KF
## 210	AVSD	03130KW
## 211	AVSD	03130ZD
## 212	AVSD	03130ZF
## 213	AVSD	03130ZW
## 214	AVSD	031409D
## 215	AVSD	031409F
## 216	AVSD	031409W
## 217	AVSD	03140AD

## 218	AVSD	03140AF
## 219	AVSD	03140AW
## 220	AVSD	03140JD
## 221	AVSD	03140JF
## 222	AVSD	03140JW
## 223	AVSD	03140KD
## 224	AVSD	03140KF
## 225	AVSD	03140KW
## 226	AVSD	03140ZD
## 227	AVSD	03140ZF
## 228	AVSD	03140ZW
## 229	AVSD	031509D
## 230	AVSD	031509F
## 231	AVSD	031509W
## 232	AVSD	03150AD
## 233	AVSD	03150AF
## 234	AVSD	03150AW
## 235	AVSD	03150JD
## 236	AVSD	03150JF
## 237	AVSD	03150JW
## 238	AVSD	03150KD
## 239	AVSD	03150KF
## 240	AVSD	03150KW
## 241	AVSD	03150ZD
## 242	AVSD	03150ZF
## 243	AVSD	03150ZW
## 244	AVSD	031609D
## 245	AVSD	031609F
## 246	AVSD	031609W
## 247	AVSD	03160AD
## 248	AVSD	03160AF
## 249	AVSD	03160AW
## 250	AVSD	03160JD
## 251	AVSD	03160JF
## 252	AVSD	03160JV
## 253	AVSD	03160JW
## 254	AVSD	03160KD
## 255	AVSD	03160KF
## 256	AVSD	03160KV
## 257	AVSD	03160KW
## 258	AVSD	03160ZD
## 259	AVSD	03160ZF
## 260	AVSD	03160ZV
## 261	AVSD	03160ZW
## 262	AVSD	031709D
## 263	AVSD	031709F
## 264	AVSD	031709V
## 265	AVSD	031709W
## 266	AVSD	03170AD
## 267	AVSD	03170AF
## 268	AVSD	03170AV
## 269	AVSD	03170AW
## 270	AVSD	03170JD
## 271	AVSD	03170JF

## 272	AVSD	03170JV
## 273	AVSD	03170JW
## 274	AVSD	03170KD
## 275	AVSD	03170KF
## 276	AVSD	03170KV
## 277	AVSD	03170KW
## 278	AVSD	03170ZD
## 279	AVSD	03170ZF
## 280	AVSD	03170ZV
## 281	AVSD	03170ZW
## 282	AVSD	031809D
## 283	AVSD	031809F
## 284	AVSD	031809V
## 285	AVSD	031809W
## 286	AVSD	03180AD
## 287	AVSD	03180AF
## 288	AVSD	03180AV
## 289	AVSD	03180AW
## 290	AVSD	03180JD
## 291	AVSD	03180JF
## 292	AVSD	03180JV
## 293	AVSD	03180JW
## 294	AVSD	03180KD
## 295	AVSD	03180KF
## 296	AVSD	03180KV
## 297	AVSD	03180KW
## 298	AVSD	03180ZD
## 299	AVSD	03180ZF
## 300	AVSD	03180ZV
## 301	AVSD	03180ZW
## 302	AVSD	031909F
## 303	AVSD	03190AF
## 304	AVSD	03190JF
## 305	AVSD	03190KF
## 306	AVSD	03190ZF
## 307	AVSD	031A09F
## 308	AVSD	031A0AF
## 309	AVSD	031A0JF
## 310	AVSD	031A0KF
## 311	AVSD	031A0ZF
## 312	AVSD	031B09F
## 313	AVSD	031B0AF
## 314	AVSD	031B0JF
## 315	AVSD	031B0KF
## 316	AVSD	031B0ZF
## 317	AVSD	031C09F
## 318	AVSD	031C0AF
## 319	AVSD	031C0JF
## 320	AVSD	031C0KF
## 321	AVSD	031C0ZF
## 322	AVSD	041K09S
## 323	AVSD	041K0AS
## 324	AVSD	041K0JS
## 325	AVSD	041K0KS

## 326	AVSD	041K0ZS
## 327	AVSD	041K49S
## 328	AVSD	041K4AS
## 329	AVSD	041K4JS
## 330	AVSD	041K4KS
## 331	AVSD	041K4ZS
## 332	AVSD	041L09S
## 333	AVSD	041L0AS
## 334	AVSD	041L0JS
## 335	AVSD	041L0KS
## 336	AVSD	041L0ZS
## 337	AVSD	041L49S
## 338	AVSD	041L4AS
## 339	AVSD	041L4JS
## 340	AVSD	041L4KS
## 341	AVSD	041L4ZS
## 342	AVSD	041M09S
## 343	AVSD	041M0AS
## 344	AVSD	041M0JS
## 345	AVSD	041M0KS
## 346	AVSD	041M0ZS
## 347	AVSD	041M49S
## 348	AVSD	041M4AS
## 349	AVSD	041M4JS
## 350	AVSD	041M4KS
## 351	AVSD	041M4ZS
## 352	AVSD	041N09S
## 353	AVSD	041N0AS
## 354	AVSD	041N0JS
## 355	AVSD	041N0KS
## 356	AVSD	041N0ZS
## 357	AVSD	041N49S
## 358	AVSD	041N4AS
## 359	AVSD	041N4JS
## 360	AVSD	041N4KS
## 361	AVSD	041N4ZS
## 362	AVSD	041T09S
## 363	AVSD	041T0AS
## 364	AVSD	041T0JS
## 365	AVSD	041T0KS
## 366	AVSD	041T0ZS
## 367	AVSD	041T49S
## 368	AVSD	041T4AS
## 369	AVSD	041T4JS
## 370	AVSD	041T4KS
## 371	AVSD	041T4ZS
## 372	AVSD	041U09S
## 373	AVSD	041U0AS
## 374	AVSD	041U0JS
## 375	AVSD	041U0KS
## 376	AVSD	041U0ZS
## 377	AVSD	041U49S
## 378	AVSD	041U4AS
## 379	AVSD	041U4JS

## 380	AVSD	041U4KS
## 381	AVSD	041U4ZS
## 382	AVSD	041V09S
## 383	AVSD	041V0AS
## 384	AVSD	041V0JS
## 385	AVSD	041V0KS
## 386	AVSD	041V0ZS
## 387	AVSD	041V49S
## 388	AVSD	041V4AS
## 389	AVSD	041V4JS
## 390	AVSD	041V4KS
## 391	AVSD	041V4ZS
## 392	AVSD	041W09S
## 393	AVSD	041W0AS
## 394	AVSD	041W0JS
## 395	AVSD	041W0KS
## 396	AVSD	041W0ZS
## 397	AVSD	041W49S
## 398	AVSD	041W4AS
## 399	AVSD	041W4JS
## 400	AVSD	041W4KS
## 401	AVSD	041W4ZS
## 402	AVSD	05SB0ZZ
## 403	AVSD	05SB4ZZ
## 404	AVSD	05SC0ZZ
## 405	AVSD	05SC4ZZ
## 406	BILI	0F150D3
## 407	BILI	0F150D4
## 408	BILI	0F150D5
## 409	BILI	0F150D6
## 410	BILI	0F150D7
## 411	BILI	0F150D8
## 412	BILI	0F150D9
## 413	BILI	0F150DB
## 414	BILI	0F150Z3
## 415	BILI	0F150Z4
## 416	BILI	0F150Z5
## 417	BILI	0F150Z6
## 418	BILI	0F150Z7
## 419	BILI	0F150Z8
## 420	BILI	0F150Z9
## 421	BILI	0F150ZB
## 422	BILI	0F154D3
## 423	BILI	0F154D4
## 424	BILI	0F154D5
## 425	BILI	0F154D6
## 426	BILI	0F154D7
## 427	BILI	0F154D8
## 428	BILI	0F154D9
## 429	BILI	0F154DB
## 430	BILI	0F154Z3
## 431	BILI	0F154Z4
## 432	BILI	0F154Z5
## 433	BILI	0F154Z6

## 434	BILI	0F154Z7
## 435	BILI	0F154Z8
## 436	BILI	0F154Z9
## 437	BILI	0F154ZB
## 438	BILI	0F160D3
## 439	BILI	0F160D4
## 440	BILI	0F160D5
## 441	BILI	0F160D6
## 442	BILI	0F160D7
## 443	BILI	0F160D8
## 444	BILI	0F160D9
## 445	BILI	0F160DB
## 446	BILI	0F160Z3
## 447	BILI	0F160Z4
## 448	BILI	0F160Z5
## 449	BILI	0F160Z6
## 450	BILI	0F160Z7
## 451	BILI	0F160Z8
## 452	BILI	0F160Z9
## 453	BILI	0F160ZB
## 454	BILI	0F164D3
## 455	BILI	0F164D4
## 456	BILI	0F164D5
## 457	BILI	0F164D6
## 458	BILI	0F164D7
## 459	BILI	0F164D8
## 460	BILI	0F164D9
## 461	BILI	0F164DB
## 462	BILI	0F164Z3
## 463	BILI	0F164Z4
## 464	BILI	0F164Z5
## 465	BILI	0F164Z6
## 466	BILI	0F164Z7
## 467	BILI	0F164Z8
## 468	BILI	0F164Z9
## 469	BILI	0F164ZB
## 470	BILI	0F170D3
## 471	BILI	0F170D4
## 472	BILI	0F170D5
## 473	BILI	0F170D6
## 474	BILI	0F170D7
## 475	BILI	0F170D8
## 476	BILI	0F170D9
## 477	BILI	0F170DB
## 478	BILI	0F170Z3
## 479	BILI	0F170Z4
## 480	BILI	0F170Z5
## 481	BILI	0F170Z6
## 482	BILI	0F170Z7
## 483	BILI	0F170Z8
## 484	BILI	0F170Z9
## 485	BILI	0F170ZB
## 486	BILI	0F174D3
## 487	BILI	0F174D4

## 488	BILI	0F174D5
## 489	BILI	0F174D6
## 490	BILI	0F174D7
## 491	BILI	0F174D8
## 492	BILI	0F174D9
## 493	BILI	0F174DB
## 494	BILI	0F174Z3
## 495	BILI	0F174Z4
## 496	BILI	0F174Z5
## 497	BILI	0F174Z6
## 498	BILI	0F174Z7
## 499	BILI	0F174Z8
## 500	BILI	0F174Z9
## 501	BILI	0F174ZB
## 502	BILI	0F180D3
## 503	BILI	0F180D4
## 504	BILI	0F180D5
## 505	BILI	0F180D6
## 506	BILI	0F180D7
## 507	BILI	0F180D8
## 508	BILI	0F180D9
## 509	BILI	0F180DB
## 510	BILI	0F180Z3
## 511	BILI	0F180Z4
## 512	BILI	0F180Z5
## 513	BILI	0F180Z6
## 514	BILI	0F180Z7
## 515	BILI	0F180Z8
## 516	BILI	0F180Z9
## 517	BILI	0F180ZB
## 518	BILI	0F184D3
## 519	BILI	0F184D4
## 520	BILI	0F184D5
## 521	BILI	0F184D6
## 522	BILI	0F184D7
## 523	BILI	0F184D8
## 524	BILI	0F184D9
## 525	BILI	0F184DB
## 526	BILI	0F184Z3
## 527	BILI	0F184Z4
## 528	BILI	0F184Z5
## 529	BILI	0F184Z6
## 530	BILI	0F184Z7
## 531	BILI	0F184Z8
## 532	BILI	0F184Z9
## 533	BILI	0F184ZB
## 534	BILI	0F190D3
## 535	BILI	0F190D4
## 536	BILI	0F190D5
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## 1089	BILI	0FV50DZ
## 1090	BILI	0FV50ZZ
## 1091	BILI	0FV54CZ
## 1092	BILI	0FV54DZ
## 1093	BILI	0FV54ZZ
## 1094	BILI	0FV60CZ
## 1095	BILI	0FV60DZ
## 1096	BILI	0FV60ZZ
## 1097	BILI	0FV64CZ
## 1098	BILI	0FV64DZ
## 1099	BILI	0FV64ZZ
## 1100	BILI	0FV70CZ
## 1101	BILI	0FV70DZ
## 1102	BILI	0FV70ZZ
## 1103	BILI	0FV74CZ
## 1104	BILI	0FV74DZ
## 1105	BILI	0FV74ZZ
## 1106	BILI	0FV80CZ
## 1107	BILI	0FV80DZ
## 1108	BILI	0FV80ZZ
## 1109	BILI	0FV84CZ
## 1110	BILI	0FV84DZ
## 1111	BILI	0FV84ZZ
## 1112	BILI	0FV90CZ
## 1113	BILI	0FV90DZ
## 1114	BILI	0FV90ZZ
## 1115	BILI	0FV94CZ
## 1116	BILI	0FV94DZ
## 1117	BILI	0FV94ZZ
## 1118	BILI	0FVC0CZ
## 1119	BILI	0FVC0DZ
## 1120	BILI	0FVC0ZZ
## 1121	BILI	0FVC4CZ
## 1122	BILI	0FVC4DZ
## 1123	BILI	0FVC4ZZ
## 1124	BILI	0FVD0CZ
## 1125	BILI	0FVD0DZ
## 1126	BILI	0FVD0ZZ
## 1127	BILI	0FVD4CZ
## 1128	BILI	0FVD4DZ
## 1129	BILI	0FVD4ZZ
## 1130	BILI	0FVF0CZ
## 1131	BILI	0FVF0DZ
## 1132	BILI	0FVF0ZZ
## 1133	BILI	0FVF4CZ
## 1134	BILI	0FVF4DZ
## 1135	BILI	0FVF4ZZ

## 1136	BILI	OFW000Z
## 1137	BILI	OFW002Z
## 1138	BILI	OFW003Z
## 1139	BILI	OFW00YZ
## 1140	BILI	OFW040Z
## 1141	BILI	OFW042Z
## 1142	BILI	OFW043Z
## 1143	BILI	OFW04YZ
## 1144	BILI	OFWB00Z
## 1145	BILI	OFWB02Z
## 1146	BILI	OFWB03Z
## 1147	BILI	OFWB07Z
## 1148	BILI	OFWB0CZ
## 1149	BILI	OFWB0DZ
## 1150	BILI	OFWB0JZ
## 1151	BILI	OFWB0KZ
## 1152	BILI	OFWB0YZ
## 1153	BILI	OFWB40Z
## 1154	BILI	OFWB42Z
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## 1156	BILI	OFWB47Z
## 1157	BILI	OFWB4CZ
## 1158	BILI	OFWB4DZ
## 1159	BILI	OFWB4JZ
## 1160	BILI	OFWB4KZ
## 1161	BILI	OFWB4YZ
## 1162	BILI	OFWD00Z
## 1163	BILI	OFWD02Z
## 1164	BILI	OFWD03Z
## 1165	BILI	OFWD07Z
## 1166	BILI	OFWD0CZ
## 1167	BILI	OFWD0DZ
## 1168	BILI	OFWD0JZ
## 1169	BILI	OFWD0KZ
## 1170	BILI	OFWD0YZ
## 1171	BILI	OFWD40Z
## 1172	BILI	OFWD42Z
## 1173	BILI	OFWD43Z
## 1174	BILI	OFWD47Z
## 1175	BILI	OFWD4CZ
## 1176	BILI	OFWD4DZ
## 1177	BILI	OFWD4JZ
## 1178	BILI	OFWD4KZ
## 1179	BILI	OFWD4YZ
## 1180	BILI	OFWG00Z
## 1181	BILI	OFWG02Z
## 1182	BILI	OFWG03Z
## 1183	BILI	OFWG0DZ
## 1184	BILI	OFWG0YZ
## 1185	BILI	OFWG40Z
## 1186	BILI	OFWG42Z
## 1187	BILI	OFWG43Z
## 1188	BILI	OFWG4DZ
## 1189	BILI	OFWG4YZ

## 1190	BRST	OH0T07Z
## 1191	BRST	OH0T0JZ
## 1192	BRST	OH0T0KZ
## 1193	BRST	OH0T0ZZ
## 1194	BRST	OH0U07Z
## 1195	BRST	OH0U0JZ
## 1196	BRST	OH0U0KZ
## 1197	BRST	OH0U0ZZ
## 1198	BRST	OH0V07Z
## 1199	BRST	OH0V0JZ
## 1200	BRST	OH0V0KZ
## 1201	BRST	OH0V0ZZ
## 1202	BRST	OH5T0ZZ
## 1203	BRST	OH5U0ZZ
## 1204	BRST	OH5V0ZZ
## 1205	BRST	OH5W0ZZ
## 1206	BRST	OH5X0ZZ
## 1207	BRST	OHBT0ZZ
## 1208	BRST	OHBU0ZZ
## 1209	BRST	OHBV0ZZ
## 1210	BRST	OHBW0ZZ
## 1211	BRST	OHBX0ZZ
## 1212	BRST	OHBY0ZZ
## 1213	BRST	OHDT0ZZ
## 1214	BRST	OHDU0ZZ
## 1215	BRST	OHDV0ZZ
## 1216	BRST	OHDY0ZZ
## 1217	BRST	OHHTONZ
## 1218	BRST	OHHUONZ
## 1219	BRST	OHHVONZ
## 1220	BRST	OHHWONZ
## 1221	BRST	OHHXONZ
## 1222	BRST	OHPT07Z
## 1223	BRST	OHPT0JZ
## 1224	BRST	OHPT0KZ
## 1225	BRST	OHPTONZ
## 1226	BRST	OHPU07Z
## 1227	BRST	OHPU0JZ
## 1228	BRST	OHPU0KZ
## 1229	BRST	OHPUONZ
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## 1232	BRST	OHRT077
## 1233	BRST	OHRT078
## 1234	BRST	OHRT079
## 1235	BRST	OHRT07Z
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## 1237	BRST	OHRT0KZ
## 1238	BRST	OHRT075
## 1239	BRST	OHRT076
## 1240	BRST	OHRT077
## 1241	BRST	OHRT078
## 1242	BRST	OHRT079
## 1243	BRST	OHRT07Z

## 1244	BRST	OHRU0JZ
## 1245	BRST	OHRU0KZ
## 1246	BRST	OHRV075
## 1247	BRST	OHRV076
## 1248	BRST	OHRV077
## 1249	BRST	OHRV078
## 1250	BRST	OHRV079
## 1251	BRST	OHRV07Z
## 1252	BRST	OHRV0JZ
## 1253	BRST	OHRV0KZ
## 1254	BRST	OHST0ZZ
## 1255	BRST	OHSU0ZZ
## 1256	BRST	OHSV0ZZ
## 1257	BRST	OHTT0ZZ
## 1258	BRST	OHTU0ZZ
## 1259	BRST	OHTV0ZZ
## 1260	BRST	OHTY0ZZ
## 1261	BRST	OHUT07Z
## 1262	BRST	OHUT0JZ
## 1263	BRST	OHUT0KZ
## 1264	BRST	OHUU07Z
## 1265	BRST	OHUU0JZ
## 1266	BRST	OHUU0KZ
## 1267	BRST	OHUV07Z
## 1268	BRST	OHUV0JZ
## 1269	BRST	OHUV0KZ
## 1270	BRST	OHWT0JZ
## 1271	BRST	OHWU0JZ
## 1272	BRST	OKXF0Z5
## 1273	BRST	OKXF0Z7
## 1274	BRST	OKXF0Z8
## 1275	BRST	OKXF0Z9
## 1276	BRST	OKXF4Z5
## 1277	BRST	OKXF4Z7
## 1278	BRST	OKXF4Z8
## 1279	BRST	OKXF4Z9
## 1280	BRST	OKXG0Z5
## 1281	BRST	OKXG0Z7
## 1282	BRST	OKXG0Z8
## 1283	BRST	OKXG0Z9
## 1284	BRST	OKXG4Z5
## 1285	BRST	OKXG4Z7
## 1286	BRST	OKXG4Z8
## 1287	BRST	OKXG4Z9
## 1288	BRST	OKXK0Z6
## 1289	BRST	OKXK4Z6
## 1290	BRST	OKXL0Z6
## 1291	BRST	OKXL4Z6
## 1292	CARD	02L70CK
## 1293	CARD	021608P
## 1294	CARD	021608Q
## 1295	CARD	021608R
## 1296	CARD	021648P
## 1297	CARD	021648Q

## 1298	CARD	021648R
## 1299	CARD	021708P
## 1300	CARD	021708Q
## 1301	CARD	021708R
## 1302	CARD	021708S
## 1303	CARD	021708T
## 1304	CARD	021708U
## 1305	CARD	021709S
## 1306	CARD	021709T
## 1307	CARD	021709U
## 1308	CARD	02170AS
## 1309	CARD	02170AT
## 1310	CARD	02170AU
## 1311	CARD	02170JS
## 1312	CARD	02170JT
## 1313	CARD	02170JU
## 1314	CARD	02170KS
## 1315	CARD	02170KT
## 1316	CARD	02170KU
## 1317	CARD	02170ZS
## 1318	CARD	02170ZT
## 1319	CARD	02170ZU
## 1320	CARD	021748P
## 1321	CARD	021748Q
## 1322	CARD	021748R
## 1323	CARD	021748S
## 1324	CARD	021748T
## 1325	CARD	021748U
## 1326	CARD	021749S
## 1327	CARD	021749T
## 1328	CARD	021749U
## 1329	CARD	02174AS
## 1330	CARD	02174AT
## 1331	CARD	02174AU
## 1332	CARD	02174JS
## 1333	CARD	02174JT
## 1334	CARD	02174JU
## 1335	CARD	02174KS
## 1336	CARD	02174KT
## 1337	CARD	02174KU
## 1338	CARD	02174ZS
## 1339	CARD	02174ZT
## 1340	CARD	02174ZU
## 1341	CARD	021K08P
## 1342	CARD	021K08Q
## 1343	CARD	021K08R
## 1344	CARD	021K09P
## 1345	CARD	021K09Q
## 1346	CARD	021K09R
## 1347	CARD	021K0AP
## 1348	CARD	021K0AQ
## 1349	CARD	021K0AR
## 1350	CARD	021K0JP
## 1351	CARD	021K0JQ

## 1352	CARD	021K0JR
## 1353	CARD	021K0KP
## 1354	CARD	021K0KQ
## 1355	CARD	021K0KR
## 1356	CARD	021K0Z5
## 1357	CARD	021K0Z8
## 1358	CARD	021K0Z9
## 1359	CARD	021K0ZC
## 1360	CARD	021K0ZF
## 1361	CARD	021K0ZP
## 1362	CARD	021K0ZQ
## 1363	CARD	021K0ZR
## 1364	CARD	021K0ZW
## 1365	CARD	021K48P
## 1366	CARD	021K48Q
## 1367	CARD	021K48R
## 1368	CARD	021K49P
## 1369	CARD	021K49Q
## 1370	CARD	021K49R
## 1371	CARD	021K4AP
## 1372	CARD	021K4AQ
## 1373	CARD	021K4AR
## 1374	CARD	021K4JP
## 1375	CARD	021K4JQ
## 1376	CARD	021K4JR
## 1377	CARD	021K4KP
## 1378	CARD	021K4KQ
## 1379	CARD	021K4KR
## 1380	CARD	021K4Z5
## 1381	CARD	021K4Z8
## 1382	CARD	021K4Z9
## 1383	CARD	021K4ZC
## 1384	CARD	021K4ZF
## 1385	CARD	021K4ZP
## 1386	CARD	021K4ZQ
## 1387	CARD	021K4ZR
## 1388	CARD	021K4ZW
## 1389	CARD	021L08P
## 1390	CARD	021L08Q
## 1391	CARD	021L08R
## 1392	CARD	021L09P
## 1393	CARD	021L09Q
## 1394	CARD	021L09R
## 1395	CARD	021L0AP
## 1396	CARD	021L0AQ
## 1397	CARD	021L0AR
## 1398	CARD	021L0JP
## 1399	CARD	021L0JQ
## 1400	CARD	021L0JR
## 1401	CARD	021L0KP
## 1402	CARD	021L0KQ
## 1403	CARD	021L0KR
## 1404	CARD	021L0Z5
## 1405	CARD	021L0Z8

## 1406	CARD	021L0Z9
## 1407	CARD	021L0ZC
## 1408	CARD	021L0ZF
## 1409	CARD	021L0ZP
## 1410	CARD	021L0ZQ
## 1411	CARD	021L0ZR
## 1412	CARD	021L0ZW
## 1413	CARD	021L48P
## 1414	CARD	021L48Q
## 1415	CARD	021L48R
## 1416	CARD	021L49P
## 1417	CARD	021L49Q
## 1418	CARD	021L49R
## 1419	CARD	021L4AP
## 1420	CARD	021L4AQ
## 1421	CARD	021L4AR
## 1422	CARD	021L4JP
## 1423	CARD	021L4JQ
## 1424	CARD	021L4JR
## 1425	CARD	021L4KP
## 1426	CARD	021L4KQ
## 1427	CARD	021L4KR
## 1428	CARD	021L4Z5
## 1429	CARD	021L4Z8
## 1430	CARD	021L4Z9
## 1431	CARD	021L4ZC
## 1432	CARD	021L4ZF
## 1433	CARD	021L4ZP
## 1434	CARD	021L4ZQ
## 1435	CARD	021L4ZR
## 1436	CARD	021L4ZW
## 1437	CARD	024F07J
## 1438	CARD	024F08J
## 1439	CARD	024F0JJ
## 1440	CARD	024F0KJ
## 1441	CARD	024G072
## 1442	CARD	024G082
## 1443	CARD	024G0J2
## 1444	CARD	024G0K2
## 1445	CARD	024J072
## 1446	CARD	024J082
## 1447	CARD	024J0J2
## 1448	CARD	024J0K2
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## 1452	CARD	02554ZZ
## 1453	CARD	02560ZZ
## 1454	CARD	02564ZZ
## 1455	CARD	02570ZK
## 1456	CARD	02570ZZ
## 1457	CARD	02574ZK
## 1458	CARD	02574ZZ
## 1459	CARD	02580ZZ

## 1460	CARD	02584ZZ
## 1461	CARD	02590ZZ
## 1462	CARD	02594ZZ
## 1463	CARD	025D0ZZ
## 1464	CARD	025D4ZZ
## 1465	CARD	025F0ZZ
## 1466	CARD	025F4ZZ
## 1467	CARD	025G0ZZ
## 1468	CARD	025G4ZZ
## 1469	CARD	025H0ZZ
## 1470	CARD	025H4ZZ
## 1471	CARD	025J0ZZ
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## 1473	CARD	025K0ZZ
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## 1475	CARD	025L0ZZ
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## 1481	CARD	027F04Z
## 1482	CARD	027F0DZ
## 1483	CARD	027F0ZZ
## 1484	CARD	027F44Z
## 1485	CARD	027F4DZ
## 1486	CARD	027F4ZZ
## 1487	CARD	027G04Z
## 1488	CARD	027G0DZ
## 1489	CARD	027G0ZZ
## 1490	CARD	027G44Z
## 1491	CARD	027G4DZ
## 1492	CARD	027G4ZZ
## 1493	CARD	027H04Z
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## 1497	CARD	027H4DZ
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## 1499	CARD	027J04Z
## 1500	CARD	027J0DZ
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## 1502	CARD	027J44Z
## 1503	CARD	027J4DZ
## 1504	CARD	027J4ZZ
## 1505	CARD	027K04Z
## 1506	CARD	027K0DZ
## 1507	CARD	027K0ZZ
## 1508	CARD	027K44Z
## 1509	CARD	027K4DZ
## 1510	CARD	027K4ZZ
## 1511	CARD	027L04Z
## 1512	CARD	027L0DZ
## 1513	CARD	027L0ZZ

## 1514	CARD	027L44Z
## 1515	CARD	027L4DZ
## 1516	CARD	027L4ZZ
## 1517	CARD	027R0DT
## 1518	CARD	027R0ZT
## 1519	CARD	027R44T
## 1520	CARD	027R4DT
## 1521	CARD	027R4ZT
## 1522	CARD	02880ZZ
## 1523	CARD	02884ZZ
## 1524	CARD	02890ZZ
## 1525	CARD	02894ZZ
## 1526	CARD	028D0ZZ
## 1527	CARD	028D4ZZ
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## 1529	CARD	02B54ZZ
## 1530	CARD	02B60ZZ
## 1531	CARD	02B64ZZ
## 1532	CARD	02B70ZK
## 1533	CARD	02B70ZZ
## 1534	CARD	02B74ZK
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## 1536	CARD	02B80ZZ
## 1537	CARD	02B84ZZ
## 1538	CARD	02B90ZZ
## 1539	CARD	02B94ZZ
## 1540	CARD	02BD0ZZ
## 1541	CARD	02BF0ZZ
## 1542	CARD	02BF4ZZ
## 1543	CARD	02BG0ZZ
## 1544	CARD	02BG4ZZ
## 1545	CARD	02BH0ZZ
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## 1547	CARD	02BJ0ZZ
## 1548	CARD	02BJ4ZZ
## 1549	CARD	02BK0ZZ
## 1550	CARD	02BK4ZZ
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## 1558	CARD	02C54ZZ
## 1559	CARD	02C60ZZ
## 1560	CARD	02C64ZZ
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## 1562	CARD	02C74ZZ
## 1563	CARD	02C80ZZ
## 1564	CARD	02C84ZZ
## 1565	CARD	02C90ZZ
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## 1568	CARD	02CD4ZZ
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## 1572	CARD	02CG4ZZ
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## 1574	CARD	02CH4ZZ
## 1575	CARD	02CJ0ZZ
## 1576	CARD	02CJ4ZZ
## 1577	CARD	02CK0ZZ
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## 1579	CARD	02CL0ZZ
## 1580	CARD	02CL4ZZ
## 1581	CARD	02CM0ZZ
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## 1585	CARD	02FN0ZZ
## 1586	CARD	02FN4ZZ
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## 1588	CARD	02H603Z
## 1589	CARD	02H60DZ
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## 1597	CARD	02H702Z
## 1598	CARD	02H703Z
## 1599	CARD	02H70DZ
## 1600	CARD	02H70YZ
## 1601	CARD	02H740Z
## 1602	CARD	02H742Z
## 1603	CARD	02H743Z
## 1604	CARD	02H74DZ
## 1605	CARD	02H74YZ
## 1606	CARD	02HA0QZ
## 1607	CARD	02HA0RJ
## 1608	CARD	02HA0RS
## 1609	CARD	02HA0RZ
## 1610	CARD	02HA0YZ
## 1611	CARD	02HA4QZ
## 1612	CARD	02HA4RJ
## 1613	CARD	02HA4RS
## 1614	CARD	02HA4RZ
## 1615	CARD	02HA4YZ
## 1616	CARD	02HK00Z
## 1617	CARD	02HK02Z
## 1618	CARD	02HK03Z
## 1619	CARD	02HK0DZ
## 1620	CARD	02HK0YZ
## 1621	CARD	02HK40Z

## 1622	CARD	02HK42Z
## 1623	CARD	02HK43Z
## 1624	CARD	02HK4DZ
## 1625	CARD	02HK4YZ
## 1626	CARD	02HL00Z
## 1627	CARD	02HL02Z
## 1628	CARD	02HL03Z
## 1629	CARD	02HL0DZ
## 1630	CARD	02HL0YZ
## 1631	CARD	02HL40Z
## 1632	CARD	02HL42Z
## 1633	CARD	02HL43Z
## 1634	CARD	02HL4DZ
## 1635	CARD	02HL4YZ
## 1636	CARD	02HN00Z
## 1637	CARD	02HN02Z
## 1638	CARD	02HN0YZ
## 1639	CARD	02HN40Z
## 1640	CARD	02HN42Z
## 1641	CARD	02HN4YZ
## 1642	CARD	02L70DK
## 1643	CARD	02L70ZK
## 1644	CARD	02L74CK
## 1645	CARD	02L74DK
## 1646	CARD	02L74ZK
## 1647	CARD	02LH0CZ
## 1648	CARD	02LH0DZ
## 1649	CARD	02LH0ZZ
## 1650	CARD	02LH4CZ
## 1651	CARD	02LH4DZ
## 1652	CARD	02LH4ZZ
## 1653	CARD	02N40ZZ
## 1654	CARD	02N44ZZ
## 1655	CARD	02N50ZZ
## 1656	CARD	02N54ZZ
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## 1658	CARD	02N64ZZ
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## 1660	CARD	02N74ZZ
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## 1662	CARD	02N84ZZ
## 1663	CARD	02N90ZZ
## 1664	CARD	02N94ZZ
## 1665	CARD	02ND0ZZ
## 1666	CARD	02ND4ZZ
## 1667	CARD	02NF0ZZ
## 1668	CARD	02NF4ZZ
## 1669	CARD	02NG0ZZ
## 1670	CARD	02NG4ZZ
## 1671	CARD	02NH0ZZ
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## 1673	CARD	02NJ0ZZ
## 1674	CARD	02NJ4ZZ
## 1675	CARD	02NK0ZZ

## 1676	CARD	02NK4ZZ
## 1677	CARD	02NL0ZZ
## 1678	CARD	02NL4ZZ
## 1679	CARD	02NM0ZZ
## 1680	CARD	02NM4ZZ
## 1681	CARD	02NN0ZZ
## 1682	CARD	02NN4ZZ
## 1683	CARD	02PA02Z
## 1684	CARD	02PA03Z
## 1685	CARD	02PA07Z
## 1686	CARD	02PA08Z
## 1687	CARD	02PA0CZ
## 1688	CARD	02PA0DZ
## 1689	CARD	02PA0JZ
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## 1692	CARD	02PA0RZ
## 1693	CARD	02PA0YZ
## 1694	CARD	02PA42Z
## 1695	CARD	02PA43Z
## 1696	CARD	02PA47Z
## 1697	CARD	02PA48Z
## 1698	CARD	02PA4CZ
## 1699	CARD	02PA4DZ
## 1700	CARD	02PA4JZ
## 1701	CARD	02PA4KZ
## 1702	CARD	02PA4QZ
## 1703	CARD	02PA4RS
## 1704	CARD	02PA4RZ
## 1705	CARD	02PA4YZ
## 1706	CARD	02Q50ZZ
## 1707	CARD	02Q54ZZ
## 1708	CARD	02Q60ZZ
## 1709	CARD	02Q64ZZ
## 1710	CARD	02Q70ZZ
## 1711	CARD	02Q74ZZ
## 1712	CARD	02Q80ZZ
## 1713	CARD	02Q84ZZ
## 1714	CARD	02Q90ZZ
## 1715	CARD	02Q94ZZ
## 1716	CARD	02QA0ZZ
## 1717	CARD	02QA4ZZ
## 1718	CARD	02QB0ZZ
## 1719	CARD	02QB4ZZ
## 1720	CARD	02QC0ZZ
## 1721	CARD	02QC4ZZ
## 1722	CARD	02QD0ZZ
## 1723	CARD	02QD4ZZ
## 1724	CARD	02QF0ZJ
## 1725	CARD	02QF0ZZ
## 1726	CARD	02QF4ZJ
## 1727	CARD	02QF4ZZ
## 1728	CARD	02QG0ZE
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## 1730	CARD	02QG4ZE
## 1731	CARD	02QG4ZZ
## 1732	CARD	02QH0ZZ
## 1733	CARD	02QH4ZZ
## 1734	CARD	02QJ0ZG
## 1735	CARD	02QJ0ZZ
## 1736	CARD	02QJ4ZG
## 1737	CARD	02QJ4ZZ
## 1738	CARD	02QK0ZZ
## 1739	CARD	02QK4ZZ
## 1740	CARD	02QL0ZZ
## 1741	CARD	02QL4ZZ
## 1742	CARD	02QM0ZZ
## 1743	CARD	02QM4ZZ
## 1744	CARD	02QN0ZZ
## 1745	CARD	02QN4ZZ
## 1746	CARD	02R507Z
## 1747	CARD	02R508Z
## 1748	CARD	02R50JZ
## 1749	CARD	02R50KZ
## 1750	CARD	02R547Z
## 1751	CARD	02R548Z
## 1752	CARD	02R54JZ
## 1753	CARD	02R54KZ
## 1754	CARD	02R607Z
## 1755	CARD	02R608Z
## 1756	CARD	02R60JZ
## 1757	CARD	02R60KZ
## 1758	CARD	02R647Z
## 1759	CARD	02R648Z
## 1760	CARD	02R64JZ
## 1761	CARD	02R64KZ
## 1762	CARD	02R707Z
## 1763	CARD	02R708Z
## 1764	CARD	02R70JZ
## 1765	CARD	02R70KZ
## 1766	CARD	02R747Z
## 1767	CARD	02R748Z
## 1768	CARD	02R74JZ
## 1769	CARD	02R74KZ
## 1770	CARD	02R907Z
## 1771	CARD	02R908Z
## 1772	CARD	02R90JZ
## 1773	CARD	02R90KZ
## 1774	CARD	02R947Z
## 1775	CARD	02R948Z
## 1776	CARD	02R94JZ
## 1777	CARD	02R94KZ
## 1778	CARD	02RA0LZ
## 1779	CARD	02RA0MZ
## 1780	CARD	02RD07Z
## 1781	CARD	02RD08Z
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## 1783	CARD	02RD0KZ

## 1784	CARD	02RD47Z
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## 1786	CARD	02RD4JZ
## 1787	CARD	02RD4KZ
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## 1789	CARD	02RF08Z
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## 1793	CARD	02RF48Z
## 1794	CARD	02RF4JZ
## 1795	CARD	02RF4KZ
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## 1797	CARD	02RG08Z
## 1798	CARD	02RG0JZ
## 1799	CARD	02RG0KZ
## 1800	CARD	02RG47Z
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## 1802	CARD	02RG4JZ
## 1803	CARD	02RG4KZ
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## 1813	CARD	02RJ08Z
## 1814	CARD	02RJ0JZ
## 1815	CARD	02RJ0KZ
## 1816	CARD	02RJ47Z
## 1817	CARD	02RJ48Z
## 1818	CARD	02RJ4JZ
## 1819	CARD	02RJ4KZ
## 1820	CARD	02RK07Z
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## 1822	CARD	02RK0JZ
## 1823	CARD	02RK0KZ
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## 1826	CARD	02RK4JZ
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## 1835	CARD	02RL4KZ
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## 1843	CARD	02RM4KZ
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## 1845	CARD	02RN08Z
## 1846	CARD	02RN0JZ
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## 1848	CARD	02RN47Z
## 1849	CARD	02RN48Z
## 1850	CARD	02RN4JZ
## 1851	CARD	02RN4KZ
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## 1853	CARD	02T50ZZ
## 1854	CARD	02T54ZZ
## 1855	CARD	02T80ZZ
## 1856	CARD	02T84ZZ
## 1857	CARD	02T90ZZ
## 1858	CARD	02T94ZZ
## 1859	CARD	02TD0ZZ
## 1860	CARD	02TD4ZZ
## 1861	CARD	02TH0ZZ
## 1862	CARD	02TH4ZZ
## 1863	CARD	02TM0ZZ
## 1864	CARD	02TM4ZZ
## 1865	CARD	02TN0ZZ
## 1866	CARD	02TN4ZZ
## 1867	CARD	02U507Z
## 1868	CARD	02U508Z
## 1869	CARD	02U50JZ
## 1870	CARD	02U50KZ
## 1871	CARD	02U547Z
## 1872	CARD	02U548Z
## 1873	CARD	02U54JZ
## 1874	CARD	02U54KZ
## 1875	CARD	02U607Z
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## 1877	CARD	02U60JZ
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## 1879	CARD	02U647Z
## 1880	CARD	02U648Z
## 1881	CARD	02U64JZ
## 1882	CARD	02U64KZ
## 1883	CARD	02U707Z
## 1884	CARD	02U708Z
## 1885	CARD	02U70JZ
## 1886	CARD	02U70KZ
## 1887	CARD	02U747Z
## 1888	CARD	02U748Z
## 1889	CARD	02U74JZ
## 1890	CARD	02U74KZ
## 1891	CARD	02U907Z

## 1892	CARD	02U908Z
## 1893	CARD	02U90JZ
## 1894	CARD	02U90KZ
## 1895	CARD	02U947Z
## 1896	CARD	02U948Z
## 1897	CARD	02U94JZ
## 1898	CARD	02U94KZ
## 1899	CARD	02UA07Z
## 1900	CARD	02UA08Z
## 1901	CARD	02UA0JZ
## 1902	CARD	02UA0KZ
## 1903	CARD	02UA47Z
## 1904	CARD	02UA48Z
## 1905	CARD	02UA4JZ
## 1906	CARD	02UA4KZ
## 1907	CARD	02UD07Z
## 1908	CARD	02UD08Z
## 1909	CARD	02UD0JZ
## 1910	CARD	02UD0KZ
## 1911	CARD	02UD47Z
## 1912	CARD	02UD48Z
## 1913	CARD	02UD4JZ
## 1914	CARD	02UD4KZ
## 1915	CARD	02UF07J
## 1916	CARD	02UF07Z
## 1917	CARD	02UF08J
## 1918	CARD	02UF08Z
## 1919	CARD	02UF0JJ
## 1920	CARD	02UF0JZ
## 1921	CARD	02UF0KJ
## 1922	CARD	02UF0KZ
## 1923	CARD	02UF47J
## 1924	CARD	02UF47Z
## 1925	CARD	02UF48J
## 1926	CARD	02UF48Z
## 1927	CARD	02UF4JJ
## 1928	CARD	02UF4JZ
## 1929	CARD	02UF4KJ
## 1930	CARD	02UF4KZ
## 1931	CARD	02UG07E
## 1932	CARD	02UG07Z
## 1933	CARD	02UG08E
## 1934	CARD	02UG08Z
## 1935	CARD	02UG0JE
## 1936	CARD	02UG0JZ
## 1937	CARD	02UG0KE
## 1938	CARD	02UG0KZ
## 1939	CARD	02UG47E
## 1940	CARD	02UG47Z
## 1941	CARD	02UG48E
## 1942	CARD	02UG48Z
## 1943	CARD	02UG4JE
## 1944	CARD	02UG4JZ
## 1945	CARD	02UG4KE

## 1946	CARD	02UG4KZ
## 1947	CARD	02UH07Z
## 1948	CARD	02UH08Z
## 1949	CARD	02UH0JZ
## 1950	CARD	02UH0KZ
## 1951	CARD	02UH47Z
## 1952	CARD	02UH48Z
## 1953	CARD	02UH4JZ
## 1954	CARD	02UH4KZ
## 1955	CARD	02UJ07G
## 1956	CARD	02UJ07Z
## 1957	CARD	02UJ08G
## 1958	CARD	02UJ08Z
## 1959	CARD	02UJ0JG
## 1960	CARD	02UJ0JZ
## 1961	CARD	02UJ0KG
## 1962	CARD	02UJ0KZ
## 1963	CARD	02UJ47G
## 1964	CARD	02UJ47Z
## 1965	CARD	02UJ48G
## 1966	CARD	02UJ48Z
## 1967	CARD	02UJ4JG
## 1968	CARD	02UJ4JZ
## 1969	CARD	02UJ4KG
## 1970	CARD	02UJ4KZ
## 1971	CARD	02UK07Z
## 1972	CARD	02UK08Z
## 1973	CARD	02UK0JZ
## 1974	CARD	02UK0KZ
## 1975	CARD	02UK47Z
## 1976	CARD	02UK48Z
## 1977	CARD	02UK4JZ
## 1978	CARD	02UK4KZ
## 1979	CARD	02UL07Z
## 1980	CARD	02UL08Z
## 1981	CARD	02UL0JZ
## 1982	CARD	02UL0KZ
## 1983	CARD	02UL47Z
## 1984	CARD	02UL48Z
## 1985	CARD	02UL4JZ
## 1986	CARD	02UL4KZ
## 1987	CARD	02UM07Z
## 1988	CARD	02UM08Z
## 1989	CARD	02UM0JZ
## 1990	CARD	02UM0KZ
## 1991	CARD	02UM47Z
## 1992	CARD	02UM48Z
## 1993	CARD	02UM4JZ
## 1994	CARD	02UM4KZ
## 1995	CARD	02UN07Z
## 1996	CARD	02UN08Z
## 1997	CARD	02UN0JZ
## 1998	CARD	02UN0KZ
## 1999	CARD	02UN47Z

## 2000	CARD	02UN48Z
## 2001	CARD	02UN4JZ
## 2002	CARD	02UN4KZ
## 2003	CARD	02VA0CZ
## 2004	CARD	02VA0ZZ
## 2005	CARD	02VA4CZ
## 2006	CARD	02VA4ZZ
## 2007	CARD	02VG0ZZ
## 2008	CARD	02VG4ZZ
## 2009	CARD	02VL0CZ
## 2010	CARD	02VL0DZ
## 2011	CARD	02VL0ZZ
## 2012	CARD	02VL4CZ
## 2013	CARD	02VL4DZ
## 2014	CARD	02VL4ZZ
## 2015	CARD	02W50JZ
## 2016	CARD	02W54JZ
## 2017	CARD	02WA02Z
## 2018	CARD	02WA03Z
## 2019	CARD	02WA07Z
## 2020	CARD	02WA08Z
## 2021	CARD	02WA0CZ
## 2022	CARD	02WA0DZ
## 2023	CARD	02WA0JZ
## 2024	CARD	02WA0KZ
## 2025	CARD	02WA0QZ
## 2026	CARD	02WA0RS
## 2027	CARD	02WA0RZ
## 2028	CARD	02WA0YZ
## 2029	CARD	02WA42Z
## 2030	CARD	02WA43Z
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## 2032	CARD	02WA48Z
## 2033	CARD	02WA4CZ
## 2034	CARD	02WA4DZ
## 2035	CARD	02WA4JZ
## 2036	CARD	02WA4KZ
## 2037	CARD	02WA4QZ
## 2038	CARD	02WA4RS
## 2039	CARD	02WA4RZ
## 2040	CARD	02WA4YZ
## 2041	CARD	0W9D00Z
## 2042	CARD	0W9D0ZZ
## 2043	CARD	0W9D40Z
## 2044	CARD	0W9D4ZZ
## 2045	CARD	0WCD0ZZ
## 2046	CARD	0WCD4ZZ
## 2047	CARD	0WFD0ZZ
## 2048	CARD	0WFD4ZZ
## 2049	CARD	0WHD01Z
## 2050	CARD	0WHD03Z
## 2051	CARD	0WHD0YZ
## 2052	CARD	0WHD41Z
## 2053	CARD	0WHD43Z

## 2054	CARD	OWHD4YZ
## 2055	CARD	OWPD00Z
## 2056	CARD	OWPD01Z
## 2057	CARD	OWPD03Z
## 2058	CARD	OWPD0YZ
## 2059	CARD	OWPD40Z
## 2060	CARD	OWPD41Z
## 2061	CARD	OWPD43Z
## 2062	CARD	OWPD4YZ
## 2063	CARD	OWWD00Z
## 2064	CARD	OWWD01Z
## 2065	CARD	OWWD03Z
## 2066	CARD	OWWD0YZ
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## 2073	CBGB	0210093
## 2074	CBGB	0210098
## 2075	CBGB	0210099
## 2076	CBGB	021009C
## 2077	CBGB	021009F
## 2078	CBGB	021009W
## 2079	CBGB	02100A3
## 2080	CBGB	02100A8
## 2081	CBGB	02100A9
## 2082	CBGB	02100AC
## 2083	CBGB	02100AF
## 2084	CBGB	02100AW
## 2085	CBGB	02100JF
## 2086	CBGB	02100KF
## 2087	CBGB	02100ZF
## 2088	CBGB	021048F
## 2089	CBGB	0210493
## 2090	CBGB	0210498
## 2091	CBGB	0210499
## 2092	CBGB	021049C
## 2093	CBGB	021049F
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## 2096	CBGB	02104A8
## 2097	CBGB	02104A9
## 2098	CBGB	02104AC
## 2099	CBGB	02104AF
## 2100	CBGB	02104AW
## 2101	CBGB	02104JF
## 2102	CBGB	02104KF
## 2103	CBGB	02104ZF
## 2104	CBGB	021108F
## 2105	CBGB	0211093
## 2106	CBGB	0211098
## 2107	CBGB	0211099

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## 2109	CBGB	021109F
## 2110	CBGB	021109W
## 2111	CBGB	02110A3
## 2112	CBGB	02110A8
## 2113	CBGB	02110A9
## 2114	CBGB	02110AC
## 2115	CBGB	02110AF
## 2116	CBGB	02110AW
## 2117	CBGB	02110JF
## 2118	CBGB	02110KF
## 2119	CBGB	02110ZF
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## 2121	CBGB	0211493
## 2122	CBGB	0211498
## 2123	CBGB	0211499
## 2124	CBGB	021149C
## 2125	CBGB	021149F
## 2126	CBGB	021149W
## 2127	CBGB	02114A3
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## 2129	CBGB	02114A9
## 2130	CBGB	02114AC
## 2131	CBGB	02114AF
## 2132	CBGB	02114AW
## 2133	CBGB	02114JF
## 2134	CBGB	02114KF
## 2135	CBGB	02114ZF
## 2136	CBGB	021208F
## 2137	CBGB	0212093
## 2138	CBGB	0212098
## 2139	CBGB	0212099
## 2140	CBGB	021209C
## 2141	CBGB	021209F
## 2142	CBGB	021209W
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## 2145	CBGB	02120A9
## 2146	CBGB	02120AC
## 2147	CBGB	02120AF
## 2148	CBGB	02120AW
## 2149	CBGB	02120JF
## 2150	CBGB	02120KF
## 2151	CBGB	02120ZF
## 2152	CBGB	021248F
## 2153	CBGB	0212493
## 2154	CBGB	0212498
## 2155	CBGB	0212499
## 2156	CBGB	021249C
## 2157	CBGB	021249F
## 2158	CBGB	021249W
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## 2164	CBGB	02124AW
## 2165	CBGB	02124JF
## 2166	CBGB	02124KF
## 2167	CBGB	02124ZF
## 2168	CBGB	021308F
## 2169	CBGB	0213093
## 2170	CBGB	0213098
## 2171	CBGB	0213099
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## 2177	CBGB	02130A9
## 2178	CBGB	02130AC
## 2179	CBGB	02130AF
## 2180	CBGB	02130AW
## 2181	CBGB	02130JF
## 2182	CBGB	02130KF
## 2183	CBGB	02130ZF
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## 2185	CBGB	0213493
## 2186	CBGB	0213498
## 2187	CBGB	0213499
## 2188	CBGB	021349C
## 2189	CBGB	021349F
## 2190	CBGB	021349W
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## 2192	CBGB	02134A8
## 2193	CBGB	02134A9
## 2194	CBGB	02134AC
## 2195	CBGB	02134AF
## 2196	CBGB	02134AW
## 2197	CBGB	02134JF
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## 2202	CBGC	0210089
## 2203	CBGC	021008C
## 2204	CBGC	021008W
## 2205	CBGC	02100J3
## 2206	CBGC	02100J8
## 2207	CBGC	02100J9
## 2208	CBGC	02100JC
## 2209	CBGC	02100JW
## 2210	CBGC	02100K3
## 2211	CBGC	02100K8
## 2212	CBGC	02100K9
## 2213	CBGC	02100KC
## 2214	CBGC	02100KW
## 2215	CBGC	02100Z3

## 2216	CBGC	02100Z8
## 2217	CBGC	02100Z9
## 2218	CBGC	02100ZC
## 2219	CBGC	0210444
## 2220	CBGC	0210483
## 2221	CBGC	0210488
## 2222	CBGC	0210489
## 2223	CBGC	021048C
## 2224	CBGC	021048W
## 2225	CBGC	02104D4
## 2226	CBGC	02104J3
## 2227	CBGC	02104J8
## 2228	CBGC	02104J9
## 2229	CBGC	02104JC
## 2230	CBGC	02104JW
## 2231	CBGC	02104K3
## 2232	CBGC	02104K8
## 2233	CBGC	02104K9
## 2234	CBGC	02104KC
## 2235	CBGC	02104KW
## 2236	CBGC	02104Z3
## 2237	CBGC	02104Z8
## 2238	CBGC	02104Z9
## 2239	CBGC	02104ZC
## 2240	CBGC	0211083
## 2241	CBGC	0211088
## 2242	CBGC	0211089
## 2243	CBGC	021108C
## 2244	CBGC	021108W
## 2245	CBGC	02110J3
## 2246	CBGC	02110J8
## 2247	CBGC	02110J9
## 2248	CBGC	02110JC
## 2249	CBGC	02110JW
## 2250	CBGC	02110K3
## 2251	CBGC	02110K8
## 2252	CBGC	02110K9
## 2253	CBGC	02110KC
## 2254	CBGC	02110KW
## 2255	CBGC	02110Z3
## 2256	CBGC	02110Z8
## 2257	CBGC	02110Z9
## 2258	CBGC	02110ZC
## 2259	CBGC	0211444
## 2260	CBGC	0211483
## 2261	CBGC	0211488
## 2262	CBGC	0211489
## 2263	CBGC	021148C
## 2264	CBGC	021148W
## 2265	CBGC	02114D4
## 2266	CBGC	02114J3
## 2267	CBGC	02114J8
## 2268	CBGC	02114J9
## 2269	CBGC	02114JC

## 2270	CBGC	02114JW
## 2271	CBGC	02114K3
## 2272	CBGC	02114K8
## 2273	CBGC	02114K9
## 2274	CBGC	02114KC
## 2275	CBGC	02114KW
## 2276	CBGC	02114Z3
## 2277	CBGC	02114Z8
## 2278	CBGC	02114Z9
## 2279	CBGC	02114ZC
## 2280	CBGC	0212083
## 2281	CBGC	0212088
## 2282	CBGC	0212089
## 2283	CBGC	021208C
## 2284	CBGC	021208W
## 2285	CBGC	02120J3
## 2286	CBGC	02120J8
## 2287	CBGC	02120J9
## 2288	CBGC	02120JC
## 2289	CBGC	02120JW
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## 2291	CBGC	02120K8
## 2292	CBGC	02120K9
## 2293	CBGC	02120KC
## 2294	CBGC	02120KW
## 2295	CBGC	02120Z3
## 2296	CBGC	02120Z8
## 2297	CBGC	02120Z9
## 2298	CBGC	02120ZC
## 2299	CBGC	0212444
## 2300	CBGC	0212483
## 2301	CBGC	0212488
## 2302	CBGC	0212489
## 2303	CBGC	021248C
## 2304	CBGC	021248W
## 2305	CBGC	02124D4
## 2306	CBGC	02124J3
## 2307	CBGC	02124J8
## 2308	CBGC	02124J9
## 2309	CBGC	02124JC
## 2310	CBGC	02124JW
## 2311	CBGC	02124K3
## 2312	CBGC	02124K8
## 2313	CBGC	02124K9
## 2314	CBGC	02124KC
## 2315	CBGC	02124KW
## 2316	CBGC	02124Z3
## 2317	CBGC	02124Z8
## 2318	CBGC	02124Z9
## 2319	CBGC	02124ZC
## 2320	CBGC	0213083
## 2321	CBGC	0213088
## 2322	CBGC	0213089
## 2323	CBGC	021308C

## 2324	CBGC	021308W
## 2325	CBGC	02130J3
## 2326	CBGC	02130J8
## 2327	CBGC	02130J9
## 2328	CBGC	02130JC
## 2329	CBGC	02130JW
## 2330	CBGC	02130K3
## 2331	CBGC	02130K8
## 2332	CBGC	02130K9
## 2333	CBGC	02130KC
## 2334	CBGC	02130KW
## 2335	CBGC	02130Z3
## 2336	CBGC	02130Z8
## 2337	CBGC	02130Z9
## 2338	CBGC	02130ZC
## 2339	CBGC	0213444
## 2340	CBGC	0213483
## 2341	CBGC	0213488
## 2342	CBGC	0213489
## 2343	CBGC	021348C
## 2344	CBGC	021348W
## 2345	CBGC	02134D4
## 2346	CBGC	02134J3
## 2347	CBGC	02134J8
## 2348	CBGC	02134J9
## 2349	CBGC	02134JC
## 2350	CBGC	02134JW
## 2351	CBGC	02134K3
## 2352	CBGC	02134K8
## 2353	CBGC	02134K9
## 2354	CBGC	02134KC
## 2355	CBGC	02134KW
## 2356	CBGC	02134Z3
## 2357	CBGC	02134Z8
## 2358	CBGC	02134Z9
## 2359	CBGC	02134ZC
## 2360	CEA	03CH0ZZ
## 2361	CEA	03CH4ZZ
## 2362	CEA	03CJ0ZZ
## 2363	CEA	03CJ4ZZ
## 2364	CEA	03CK0ZZ
## 2365	CEA	03CK4ZZ
## 2366	CEA	03CL0ZZ
## 2367	CEA	03CL4ZZ
## 2368	CEA	03CM0ZZ
## 2369	CEA	03CM4ZZ
## 2370	CEA	03CN0ZZ
## 2371	CEA	03CN4ZZ
## 2372	CEA	03CP0ZZ
## 2373	CEA	03CP4ZZ
## 2374	CEA	03CQ0ZZ
## 2375	CEA	03CQ4ZZ
## 2376	CHOL	0F140D3
## 2377	CHOL	0F140D4

## 2378	CHOL	0F140D5
## 2379	CHOL	0F140D6
## 2380	CHOL	0F140D7
## 2381	CHOL	0F140D8
## 2382	CHOL	0F140D9
## 2383	CHOL	0F140DB
## 2384	CHOL	0F140Z3
## 2385	CHOL	0F140Z4
## 2386	CHOL	0F140Z5
## 2387	CHOL	0F140Z6
## 2388	CHOL	0F140Z7
## 2389	CHOL	0F140Z8
## 2390	CHOL	0F140Z9
## 2391	CHOL	0F140ZB
## 2392	CHOL	0F144D3
## 2393	CHOL	0F144D4
## 2394	CHOL	0F144D5
## 2395	CHOL	0F144D6
## 2396	CHOL	0F144D7
## 2397	CHOL	0F144D8
## 2398	CHOL	0F144D9
## 2399	CHOL	0F144DB
## 2400	CHOL	0F144Z3
## 2401	CHOL	0F144Z4
## 2402	CHOL	0F144Z5
## 2403	CHOL	0F144Z6
## 2404	CHOL	0F144Z7
## 2405	CHOL	0F144Z8
## 2406	CHOL	0F144Z9
## 2407	CHOL	0F144ZB
## 2408	CHOL	0F540ZZ
## 2409	CHOL	0F544ZZ
## 2410	CHOL	0F9400Z
## 2411	CHOL	0F940ZZ
## 2412	CHOL	0F9440Z
## 2413	CHOL	0F944ZZ
## 2414	CHOL	0FB40ZZ
## 2415	CHOL	0FB44ZZ
## 2416	CHOL	0FC40ZZ
## 2417	CHOL	0FC44ZZ
## 2418	CHOL	0FF40ZZ
## 2419	CHOL	0FF44ZZ
## 2420	CHOL	0FH402Z
## 2421	CHOL	0FH403Z
## 2422	CHOL	0FH40YZ
## 2423	CHOL	0FH442Z
## 2424	CHOL	0FH443Z
## 2425	CHOL	0FH44YZ
## 2426	CHOL	0FM40ZZ
## 2427	CHOL	0FM44ZZ
## 2428	CHOL	0FP400Z
## 2429	CHOL	0FP402Z
## 2430	CHOL	0FP403Z
## 2431	CHOL	0FP40DZ

## 2432	CHOL	0FP40YZ
## 2433	CHOL	0FP440Z
## 2434	CHOL	0FP442Z
## 2435	CHOL	0FP443Z
## 2436	CHOL	0FP44DZ
## 2437	CHOL	0FP44YZ
## 2438	CHOL	0FQ40ZZ
## 2439	CHOL	0FQ44ZZ
## 2440	CHOL	0FS40ZZ
## 2441	CHOL	0FS44ZZ
## 2442	CHOL	0FT40ZZ
## 2443	CHOL	0FT44ZZ
## 2444	CHOL	0FW400Z
## 2445	CHOL	0FW402Z
## 2446	CHOL	0FW403Z
## 2447	CHOL	0FW40DZ
## 2448	CHOL	0FW40YZ
## 2449	CHOL	0FW440Z
## 2450	CHOL	0FW442Z
## 2451	CHOL	0FW443Z
## 2452	CHOL	0FW44DZ
## 2453	CHOL	0FW44YZ
## 2454	COLO	0D1607L
## 2455	COLO	0D160JL
## 2456	COLO	0D160KL
## 2457	COLO	0D160ZL
## 2458	COLO	0D1647L
## 2459	COLO	0D164JL
## 2460	COLO	0D164KL
## 2461	COLO	0D164ZL
## 2462	COLO	0D1807H
## 2463	COLO	0D1807K
## 2464	COLO	0D1807L
## 2465	COLO	0D1807M
## 2466	COLO	0D1807N
## 2467	COLO	0D180JH
## 2468	COLO	0D180JK
## 2469	COLO	0D180JL
## 2470	COLO	0D180JM
## 2471	COLO	0D180JN
## 2472	COLO	0D180KH
## 2473	COLO	0D180KK
## 2474	COLO	0D180KL
## 2475	COLO	0D180KM
## 2476	COLO	0D180KN
## 2477	COLO	0D180ZH
## 2478	COLO	0D180ZK
## 2479	COLO	0D180ZL
## 2480	COLO	0D180ZM
## 2481	COLO	0D180ZN
## 2482	COLO	0D1847H
## 2483	COLO	0D1847K
## 2484	COLO	0D1847L
## 2485	COLO	0D1847M

## 2486	COLO	OD1847N
## 2487	COLO	OD184JH
## 2488	COLO	OD184JK
## 2489	COLO	OD184JL
## 2490	COLO	OD184JM
## 2491	COLO	OD184JN
## 2492	COLO	OD184KH
## 2493	COLO	OD184KK
## 2494	COLO	OD184KL
## 2495	COLO	OD184KM
## 2496	COLO	OD184KN
## 2497	COLO	OD184ZH
## 2498	COLO	OD184ZK
## 2499	COLO	OD184ZL
## 2500	COLO	OD184ZM
## 2501	COLO	OD184ZN
## 2502	COLO	OD1907L
## 2503	COLO	OD190JL
## 2504	COLO	OD190KL
## 2505	COLO	OD190ZL
## 2506	COLO	OD1947L
## 2507	COLO	OD194JL
## 2508	COLO	OD194KL
## 2509	COLO	OD194ZL
## 2510	COLO	OD1A07H
## 2511	COLO	OD1A07K
## 2512	COLO	OD1A07L
## 2513	COLO	OD1A07M
## 2514	COLO	OD1A07N
## 2515	COLO	OD1A0JH
## 2516	COLO	OD1A0JK
## 2517	COLO	OD1A0JL
## 2518	COLO	OD1A0JM
## 2519	COLO	OD1A0JN
## 2520	COLO	OD1A0KH
## 2521	COLO	OD1A0KK
## 2522	COLO	OD1A0KL
## 2523	COLO	OD1A0KM
## 2524	COLO	OD1A0KN
## 2525	COLO	OD1A0ZH
## 2526	COLO	OD1A0ZK
## 2527	COLO	OD1A0ZL
## 2528	COLO	OD1A0ZM
## 2529	COLO	OD1A0ZN
## 2530	COLO	OD1A47H
## 2531	COLO	OD1A47K
## 2532	COLO	OD1A47L
## 2533	COLO	OD1A47M
## 2534	COLO	OD1A47N
## 2535	COLO	OD1A4JH
## 2536	COLO	OD1A4JK
## 2537	COLO	OD1A4JL
## 2538	COLO	OD1A4JM
## 2539	COLO	OD1A4JN

## 2540	COLO	OD1A4KH
## 2541	COLO	OD1A4KK
## 2542	COLO	OD1A4KL
## 2543	COLO	OD1A4KM
## 2544	COLO	OD1A4KN
## 2545	COLO	OD1A4ZH
## 2546	COLO	OD1A4ZK
## 2547	COLO	OD1A4ZL
## 2548	COLO	OD1A4ZM
## 2549	COLO	OD1A4ZN
## 2550	COLO	OD1B07H
## 2551	COLO	OD1B07K
## 2552	COLO	OD1B07L
## 2553	COLO	OD1B07M
## 2554	COLO	OD1B07N
## 2555	COLO	OD1B0JH
## 2556	COLO	OD1B0JK
## 2557	COLO	OD1B0JL
## 2558	COLO	OD1B0JM
## 2559	COLO	OD1B0JN
## 2560	COLO	OD1B0KH
## 2561	COLO	OD1B0KK
## 2562	COLO	OD1B0KL
## 2563	COLO	OD1B0KM
## 2564	COLO	OD1B0KN
## 2565	COLO	OD1B0ZH
## 2566	COLO	OD1B0ZK
## 2567	COLO	OD1B0ZL
## 2568	COLO	OD1B0ZM
## 2569	COLO	OD1B0ZN
## 2570	COLO	OD1B47H
## 2571	COLO	OD1B47K
## 2572	COLO	OD1B47L
## 2573	COLO	OD1B47M
## 2574	COLO	OD1B47N
## 2575	COLO	OD1B4JH
## 2576	COLO	OD1B4JK
## 2577	COLO	OD1B4JL
## 2578	COLO	OD1B4JM
## 2579	COLO	OD1B4JN
## 2580	COLO	OD1B4KH
## 2581	COLO	OD1B4KK
## 2582	COLO	OD1B4KL
## 2583	COLO	OD1B4KM
## 2584	COLO	OD1B4KN
## 2585	COLO	OD1B4ZH
## 2586	COLO	OD1B4ZK
## 2587	COLO	OD1B4ZL
## 2588	COLO	OD1B4ZM
## 2589	COLO	OD1B4ZN
## 2590	COLO	OD1E074
## 2591	COLO	OD1E07E
## 2592	COLO	OD1E0J4
## 2593	COLO	OD1E0JE

## 2594	COLO	OD1E0K4
## 2595	COLO	OD1E0KE
## 2596	COLO	OD1E0Z4
## 2597	COLO	OD1E0ZE
## 2598	COLO	OD1E474
## 2599	COLO	OD1E47E
## 2600	COLO	OD1E4J4
## 2601	COLO	OD1E4JE
## 2602	COLO	OD1E4K4
## 2603	COLO	OD1E4KE
## 2604	COLO	OD1E4Z4
## 2605	COLO	OD1E4ZE
## 2606	COLO	OD1H074
## 2607	COLO	OD1H07H
## 2608	COLO	OD1H07K
## 2609	COLO	OD1H07L
## 2610	COLO	OD1H07M
## 2611	COLO	OD1H07N
## 2612	COLO	OD1H0J4
## 2613	COLO	OD1H0JH
## 2614	COLO	OD1H0JK
## 2615	COLO	OD1H0JL
## 2616	COLO	OD1H0JM
## 2617	COLO	OD1H0JN
## 2618	COLO	OD1H0K4
## 2619	COLO	OD1H0KH
## 2620	COLO	OD1H0KK
## 2621	COLO	OD1H0KL
## 2622	COLO	OD1H0KM
## 2623	COLO	OD1H0KN
## 2624	COLO	OD1H0Z4
## 2625	COLO	OD1H0ZH
## 2626	COLO	OD1H0ZK
## 2627	COLO	OD1H0ZL
## 2628	COLO	OD1H0ZM
## 2629	COLO	OD1H0ZN
## 2630	COLO	OD1H474
## 2631	COLO	OD1H47H
## 2632	COLO	OD1H47K
## 2633	COLO	OD1H47L
## 2634	COLO	OD1H47M
## 2635	COLO	OD1H47N
## 2636	COLO	OD1H4J4
## 2637	COLO	OD1H4JH
## 2638	COLO	OD1H4JK
## 2639	COLO	OD1H4JL
## 2640	COLO	OD1H4JM
## 2641	COLO	OD1H4JN
## 2642	COLO	OD1H4K4
## 2643	COLO	OD1H4KH
## 2644	COLO	OD1H4KK
## 2645	COLO	OD1H4KL
## 2646	COLO	OD1H4KM
## 2647	COLO	OD1H4KN

## 2648	COLO	OD1H4Z4
## 2649	COLO	OD1H4ZH
## 2650	COLO	OD1H4ZK
## 2651	COLO	OD1H4ZL
## 2652	COLO	OD1H4ZM
## 2653	COLO	OD1H4ZN
## 2654	COLO	OD1K074
## 2655	COLO	OD1K07K
## 2656	COLO	OD1K07L
## 2657	COLO	OD1K07M
## 2658	COLO	OD1K07N
## 2659	COLO	OD1K0J4
## 2660	COLO	OD1K0JK
## 2661	COLO	OD1K0JL
## 2662	COLO	OD1K0JM
## 2663	COLO	OD1K0JN
## 2664	COLO	OD1K0K4
## 2665	COLO	OD1K0KK
## 2666	COLO	OD1K0KL
## 2667	COLO	OD1K0KM
## 2668	COLO	OD1K0KN
## 2669	COLO	OD1K0Z4
## 2670	COLO	OD1K0ZK
## 2671	COLO	OD1K0ZL
## 2672	COLO	OD1K0ZM
## 2673	COLO	OD1K0ZN
## 2674	COLO	OD1K474
## 2675	COLO	OD1K47K
## 2676	COLO	OD1K47L
## 2677	COLO	OD1K47M
## 2678	COLO	OD1K47N
## 2679	COLO	OD1K4J4
## 2680	COLO	OD1K4JK
## 2681	COLO	OD1K4JL
## 2682	COLO	OD1K4JM
## 2683	COLO	OD1K4JN
## 2684	COLO	OD1K4K4
## 2685	COLO	OD1K4KK
## 2686	COLO	OD1K4KL
## 2687	COLO	OD1K4KM
## 2688	COLO	OD1K4KN
## 2689	COLO	OD1K4Z4
## 2690	COLO	OD1K4ZK
## 2691	COLO	OD1K4ZL
## 2692	COLO	OD1K4ZM
## 2693	COLO	OD1K4ZN
## 2694	COLO	OD1L074
## 2695	COLO	OD1L07L
## 2696	COLO	OD1L07M
## 2697	COLO	OD1L07N
## 2698	COLO	OD1L0J4
## 2699	COLO	OD1L0JL
## 2700	COLO	OD1L0JM
## 2701	COLO	OD1L0JN

## 2702	COLO	OD1LOK4
## 2703	COLO	OD1LOKL
## 2704	COLO	OD1LOKM
## 2705	COLO	OD1LOKN
## 2706	COLO	OD1LOZ4
## 2707	COLO	OD1LOZL
## 2708	COLO	OD1LOZM
## 2709	COLO	OD1LOZN
## 2710	COLO	OD1L474
## 2711	COLO	OD1L47L
## 2712	COLO	OD1L47M
## 2713	COLO	OD1L47N
## 2714	COLO	OD1L4J4
## 2715	COLO	OD1L4JL
## 2716	COLO	OD1L4JM
## 2717	COLO	OD1L4JN
## 2718	COLO	OD1L4K4
## 2719	COLO	OD1L4KL
## 2720	COLO	OD1L4KM
## 2721	COLO	OD1L4KN
## 2722	COLO	OD1L4Z4
## 2723	COLO	OD1L4ZL
## 2724	COLO	OD1L4ZM
## 2725	COLO	OD1L4ZN
## 2726	COLO	OD1M074
## 2727	COLO	OD1M07M
## 2728	COLO	OD1M07N
## 2729	COLO	OD1M0J4
## 2730	COLO	OD1M0JM
## 2731	COLO	OD1M0JN
## 2732	COLO	OD1M0K4
## 2733	COLO	OD1M0KM
## 2734	COLO	OD1M0KN
## 2735	COLO	OD1M0Z4
## 2736	COLO	OD1M0ZM
## 2737	COLO	OD1M0ZN
## 2738	COLO	OD1M474
## 2739	COLO	OD1M47M
## 2740	COLO	OD1M47N
## 2741	COLO	OD1M4J4
## 2742	COLO	OD1M4JM
## 2743	COLO	OD1M4JN
## 2744	COLO	OD1M4K4
## 2745	COLO	OD1M4KM
## 2746	COLO	OD1M4KN
## 2747	COLO	OD1M4Z4
## 2748	COLO	OD1M4ZM
## 2749	COLO	OD1M4ZN
## 2750	COLO	OD1N074
## 2751	COLO	OD1N07N
## 2752	COLO	OD1N0J4
## 2753	COLO	OD1N0JN
## 2754	COLO	OD1N0K4
## 2755	COLO	OD1N0KN

## 2756	COLO	OD1N0Z4
## 2757	COLO	OD1N0ZN
## 2758	COLO	OD1N474
## 2759	COLO	OD1N47N
## 2760	COLO	OD1N4J4
## 2761	COLO	OD1N4JN
## 2762	COLO	OD1N4K4
## 2763	COLO	OD1N4KN
## 2764	COLO	OD1N4Z4
## 2765	COLO	OD1N4ZN
## 2766	COLO	OD5C0ZZ
## 2767	COLO	OD5C4ZZ
## 2768	COLO	OD5E0ZZ
## 2769	COLO	OD5E4ZZ
## 2770	COLO	OD5F0ZZ
## 2771	COLO	OD5F4ZZ
## 2772	COLO	OD5G0ZZ
## 2773	COLO	OD5G4ZZ
## 2774	COLO	OD5H0ZZ
## 2775	COLO	OD5H4ZZ
## 2776	COLO	OD5K0ZZ
## 2777	COLO	OD5K4ZZ
## 2778	COLO	OD5L0ZZ
## 2779	COLO	OD5L4ZZ
## 2780	COLO	OD5M0ZZ
## 2781	COLO	OD5M4ZZ
## 2782	COLO	OD5N0ZZ
## 2783	COLO	OD5N4ZZ
## 2784	COLO	OD7C0DZ
## 2785	COLO	OD7C0ZZ
## 2786	COLO	OD7C4DZ
## 2787	COLO	OD7C4ZZ
## 2788	COLO	OD7E0DZ
## 2789	COLO	OD7E0ZZ
## 2790	COLO	OD7E4DZ
## 2791	COLO	OD7E4ZZ
## 2792	COLO	OD7F0DZ
## 2793	COLO	OD7F0ZZ
## 2794	COLO	OD7F4DZ
## 2795	COLO	OD7F4ZZ
## 2796	COLO	OD7G0DZ
## 2797	COLO	OD7G0ZZ
## 2798	COLO	OD7G4DZ
## 2799	COLO	OD7G4ZZ
## 2800	COLO	OD7H0DZ
## 2801	COLO	OD7H0ZZ
## 2802	COLO	OD7H4DZ
## 2803	COLO	OD7H4ZZ
## 2804	COLO	OD7K0DZ
## 2805	COLO	OD7K0ZZ
## 2806	COLO	OD7K4DZ
## 2807	COLO	OD7K4ZZ
## 2808	COLO	OD7L0DZ
## 2809	COLO	OD7L0ZZ

## 2810	COLO	0D7L4DZ
## 2811	COLO	0D7L4ZZ
## 2812	COLO	0D7M0DZ
## 2813	COLO	0D7M0ZZ
## 2814	COLO	0D7M4DZ
## 2815	COLO	0D7M4ZZ
## 2816	COLO	0D7N0DZ
## 2817	COLO	0D7N0ZZ
## 2818	COLO	0D7N4DZ
## 2819	COLO	0D7N4ZZ
## 2820	COLO	0D9C00Z
## 2821	COLO	0D9C0ZZ
## 2822	COLO	0D9C40Z
## 2823	COLO	0D9C4ZZ
## 2824	COLO	0D9E00Z
## 2825	COLO	0D9E0ZZ
## 2826	COLO	0D9E40Z
## 2827	COLO	0D9E4ZZ
## 2828	COLO	0D9F00Z
## 2829	COLO	0D9F0ZZ
## 2830	COLO	0D9F40Z
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## 2833	COLO	0D9G0ZZ
## 2834	COLO	0D9G40Z
## 2835	COLO	0D9G4ZZ
## 2836	COLO	0D9H00Z
## 2837	COLO	0D9H0ZZ
## 2838	COLO	0D9H40Z
## 2839	COLO	0D9H4ZZ
## 2840	COLO	0D9K00Z
## 2841	COLO	0D9K0ZZ
## 2842	COLO	0D9K40Z
## 2843	COLO	0D9K4ZZ
## 2844	COLO	0D9L00Z
## 2845	COLO	0D9L0ZZ
## 2846	COLO	0D9L40Z
## 2847	COLO	0D9L4ZZ
## 2848	COLO	0D9M00Z
## 2849	COLO	0D9M0ZZ
## 2850	COLO	0D9M40Z
## 2851	COLO	0D9M4ZZ
## 2852	COLO	0D9N00Z
## 2853	COLO	0D9N0ZZ
## 2854	COLO	0D9N40Z
## 2855	COLO	0D9N4ZZ
## 2856	COLO	0DBC0ZZ
## 2857	COLO	0DBC4ZZ
## 2858	COLO	0DBE0ZZ
## 2859	COLO	0DBE4ZZ
## 2860	COLO	0DBF0ZZ
## 2861	COLO	0DBF4ZZ
## 2862	COLO	0DBG0ZZ
## 2863	COLO	0DBG4ZZ

## 2864	COLO	ODBGFZZ
## 2865	COLO	ODBH0ZZ
## 2866	COLO	ODBH4ZZ
## 2867	COLO	ODBK0ZZ
## 2868	COLO	ODBK4ZZ
## 2869	COLO	ODBL0ZZ
## 2870	COLO	ODBL4ZZ
## 2871	COLO	ODBLFZZ
## 2872	COLO	ODBM0ZZ
## 2873	COLO	ODBM4ZZ
## 2874	COLO	ODBMFZZ
## 2875	COLO	ODBN0ZZ
## 2876	COLO	ODBN4ZZ
## 2877	COLO	ODBNFZZ
## 2878	COLO	ODCC0ZZ
## 2879	COLO	ODCC4ZZ
## 2880	COLO	ODCE0ZZ
## 2881	COLO	ODCE4ZZ
## 2882	COLO	ODCF0ZZ
## 2883	COLO	ODCF4ZZ
## 2884	COLO	ODCG0ZZ
## 2885	COLO	ODCG4ZZ
## 2886	COLO	ODCH0ZZ
## 2887	COLO	ODCH4ZZ
## 2888	COLO	ODCK0ZZ
## 2889	COLO	ODCK4ZZ
## 2890	COLO	ODCL0ZZ
## 2891	COLO	ODCL4ZZ
## 2892	COLO	ODCM0ZZ
## 2893	COLO	ODCM4ZZ
## 2894	COLO	ODCN0ZZ
## 2895	COLO	ODCN4ZZ
## 2896	COLO	ODME0ZZ
## 2897	COLO	ODME4ZZ
## 2898	COLO	ODMF0ZZ
## 2899	COLO	ODMF4ZZ
## 2900	COLO	ODMG0ZZ
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## 4124	GAST	OD114K6
## 4125	GAST	OD114Z6
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## 4127	GAST	OD120J6
## 4128	GAST	OD120K6
## 4129	GAST	OD120Z6
## 4130	GAST	OD12476
## 4131	GAST	OD124J6
## 4132	GAST	OD124K6
## 4133	GAST	OD124Z6
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## 4135	GAST	OD130J6
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## 4137	GAST	OD130Z6
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## 4141	GAST	OD134Z6
## 4142	GAST	OD15076
## 4143	GAST	OD150J6
## 4144	GAST	OD150K6
## 4145	GAST	OD150Z6
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## 4148	GAST	OD154K6
## 4149	GAST	OD154Z6
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## 4157	GAST	OD764ZZ
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## 4159	GAST	OD770ZZ

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## 4163	GAST	0D940ZZ
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## 4165	GAST	0D944ZZ
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## 4169	GAST	0D964ZZ
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## 4173	GAST	0D974ZZ
## 4174	GAST	0DB40ZZ
## 4175	GAST	0DB44ZZ
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## 4177	GAST	0DB60ZZ
## 4178	GAST	0DB64Z3
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## 4183	GAST	0DC44ZZ
## 4184	GAST	0DC60ZZ
## 4185	GAST	0DC64ZZ
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## 4187	GAST	0DC74ZZ
## 4188	GAST	0DD64ZX
## 4189	GAST	0DF60ZZ
## 4190	GAST	0DF64ZZ
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## 4193	GAST	0DH60DZ
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## 4244	GAST	ODQ74ZZ
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## 4270	GAST	ODU74KZ
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## 4273	GAST	ODV40ZZ
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## 4312	HER	OWQF4ZZ
## 4313	HER	OWUF07Z
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## 4317	HER	OWUF4JZ
## 4318	HER	OWUF4KZ
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## 4320	HER	OYQ54ZZ
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## 4326	HER	OYQ84ZZ
## 4327	HER	OYQA0ZZ
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## 4361	HER	OYUE07Z
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## 4408	HPR0	OSRA0J9
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## 4426	HPR0	OSRB0J9
## 4427	HPR0	OSRB0JA
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## 4435	HPR0	OSRE039
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## 4477	HPR0	OSWR0JZ
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## 4481	HTP	O2YA0Z2
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## 4505	KPRO	OSPU0JZ
## 4506	KPRO	OSPV0JZ
## 4507	KPRO	OSPW0JZ
## 4508	KPRO	OSRC069
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## 4522	KPRO	OSRC0NZ
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## 4525	KPRO	OSRD06Z
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## 4533	KPRO	OSRD0MA
## 4534	KPRO	OSRD0MZ
## 4535	KPRO	OSRD0N9
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## 4539	KPRO	OSRTOJA
## 4540	KPRO	OSRTOJZ
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## 4542	KPRO	OSRU0JA
## 4543	KPRO	OSRU0JZ
## 4544	KPRO	OSRV0J9
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## 4546	KPRO	OSRV0JZ
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## 4548	KPRO	OSRW0JA
## 4549	KPRO	OSRW0JZ
## 4550	KPRO	OSUC09C
## 4551	KPRO	OSUC09Z
## 4552	KPRO	OSUD09C
## 4553	KPRO	OSUD09Z
## 4554	KPRO	OSUT09Z
## 4555	KPRO	OSUU09Z
## 4556	KPRO	OSUV09Z
## 4557	KPRO	OSUW09Z
## 4558	KPRO	OSWC0JC
## 4559	KPRO	OSWC0JZ
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## 4573	LAM	005T4ZZ
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## 4578	LAM	005Y0ZZ
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## 4708	NECK	07T14ZZ
## 4709	NECK	07T20ZZ
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## 4712	NECK	0B910ZZ
## 4713	NECK	0B9140Z
## 4714	NECK	0B914ZZ
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## 4727	NECK	0BH14DZ
## 4728	NECK	0BH14YZ
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## 4730	NECK	0BR10JZ
## 4731	NECK	0BR10KZ
## 4732	NECK	0BR147Z
## 4733	NECK	0BR14JZ
## 4734	NECK	0BR14KZ
## 4735	NECK	0C5R0ZZ
## 4736	NECK	0C5R4ZZ
## 4737	NECK	0C5S0ZZ
## 4738	NECK	0C5S4ZZ
## 4739	NECK	0C5T0ZZ
## 4740	NECK	0C5T4ZZ
## 4741	NECK	0C5V0ZZ
## 4742	NECK	0C5V4ZZ
## 4743	NECK	0C9R00Z
## 4744	NECK	0C9R0ZZ
## 4745	NECK	0C9R40Z
## 4746	NECK	0C9R4ZZ
## 4747	NECK	0C9S00Z
## 4748	NECK	0C9S0ZZ
## 4749	NECK	0C9S40Z
## 4750	NECK	0C9S4ZZ
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## 4752	NECK	0C9T0ZZ
## 4753	NECK	0C9T40Z

## 4754	NECK	0C9T4ZZ
## 4755	NECK	0C9V00Z
## 4756	NECK	0C9V0ZZ
## 4757	NECK	0C9V40Z
## 4758	NECK	0C9V4ZZ
## 4759	NECK	0CBR0ZZ
## 4760	NECK	0CBR4ZZ
## 4761	NECK	0CBS0ZZ
## 4762	NECK	0CBS4ZZ
## 4763	NECK	0CBT0ZZ
## 4764	NECK	0CBT4ZZ
## 4765	NECK	0CBV0ZZ
## 4766	NECK	0CBV4ZZ
## 4767	NECK	0CHS0YZ
## 4768	NECK	0CPS00Z
## 4769	NECK	0CPS07Z
## 4770	NECK	0CPS0DZ
## 4771	NECK	0CPS0JZ
## 4772	NECK	0CPS0KZ
## 4773	NECK	0CPS0YZ
## 4774	NECK	0CTR0ZZ
## 4775	NECK	0CTR4ZZ
## 4776	NECK	0CTS0ZZ
## 4777	NECK	0CTS4ZZ
## 4778	NECK	0CTT0ZZ
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## 4780	NECK	0CTV0ZZ
## 4781	NECK	0CTV4ZZ
## 4782	NECK	0CWS00Z
## 4783	NECK	0CWS07Z
## 4784	NECK	0CWS0DZ
## 4785	NECK	0CWS0JZ
## 4786	NECK	0CWS0KZ
## 4787	NECK	0CWS0YZ
## 4788	NECK	0WB60ZZ
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## 4793	NEPH	0T13078
## 4794	NEPH	0T13079
## 4795	NEPH	0T1307A
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## 4797	NEPH	0T1307C
## 4798	NEPH	0T1307D
## 4799	NEPH	0T130J3
## 4800	NEPH	0T130J4
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## 4803	NEPH	0T130J8
## 4804	NEPH	0T130J9
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## 4818	NEPH	OT130KD
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## 4824	NEPH	OT130Z9
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## 4827	NEPH	OT130ZC
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## 4845	NEPH	OT134JA
## 4846	NEPH	OT134JB
## 4847	NEPH	OT134JC
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## 5008	NEPH	OTC44ZZ
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## 5048	NEPH	0TW54YZ
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## 5050	OVRV	0U504ZZ
## 5051	OVRV	0U510ZZ
## 5052	OVRV	0U514ZZ
## 5053	OVRV	0U520ZZ
## 5054	OVRV	0U524ZZ
## 5055	OVRV	0U800ZZ
## 5056	OVRV	0U804ZZ
## 5057	OVRV	0U810ZZ
## 5058	OVRV	0U814ZZ
## 5059	OVRV	0U820ZZ
## 5060	OVRV	0U824ZZ
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## 5062	OVRV	0U900ZX
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## 5064	OVRV	0U9040Z
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## 5068	OVRV	0U910ZX
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## 5073	OVRV	0U9200Z
## 5074	OVRV	0U920ZX
## 5075	OVRV	0U920ZZ
## 5076	OVRV	0U9240Z
## 5077	OVRV	0U924ZX

## 5078	OVRV	OU924ZZ
## 5079	OVRV	OUB00ZX
## 5080	OVRV	OUB00ZZ
## 5081	OVRV	OUB04ZX
## 5082	OVRV	OUB04ZZ
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## 5130	OVRV	OUT1FZZ
## 5131	OVRV	OUT20ZZ

## 5132	OVRV	OUT24ZZ
## 5133	OVRV	OUT2FZZ
## 5134	OVRV	OUW30YZ
## 5135	OVRV	OUW34YZ
## 5136	OVRV	OUY00Z0
## 5137	OVRV	OUY00Z1
## 5138	OVRV	OUY00Z2
## 5139	OVRV	OUY10Z0
## 5140	OVRV	OUY10Z1
## 5141	OVRV	OUY10Z2
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## 5164	PACE	02H74MZ
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## 5168	PACE	02HK0MZ
## 5169	PACE	02HK0NZ
## 5170	PACE	02HK4JZ
## 5171	PACE	02HK4KZ
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## 5173	PACE	02HK4NZ
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## 5177	PACE	02HLONZ
## 5178	PACE	02HL4JZ
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## 5216	PACE	0JWT0PZ
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## 5219	PRST	0V9040Z
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## 5227	PVBY	021P08D
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## 5231	PVBY	021P0AA
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## 5233	PVBY	021P0AD
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## 5291	PVBY	021Q4KA
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## 5344	PVBY	021V09U
## 5345	PVBY	021V0AP
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## 5347	PVBY	021V0AR

## 5348	PVBY	021V0AS
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## 5356	PVBY	021V0JU
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## 5444	PVBY	021W0JV
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Drainage of

Ext.

Bypass Innominate Artery
Bypass Innominate Artery
Bypass Innominate Artery to
Bypass Innominate Artery

## 188	Bypass Innominate Artery
## 189	Bypass Innominate Artery to L
## 190	Bypass Innominate
## 191	Bypass Innominate
## 192	Bypass Innominate Artery
## 193	Bypass Innominate Artery to
## 194	Bypass Innominate Artery to L
## 195	Bypass Innominate Artery to Lower L
## 196	
## 197	
## 198	
## 199	Bypass Right Subclavian Arter
## 200	Bypass Right Subclavian Arter
## 201	Bypass Right Subclavian Artery to
## 202	Bypass Right Subclavian Artery
## 203	Bypass Right Subclavian Artery
## 204	Bypass Right Subclavian Artery to L
## 205	Bypass Right Subclavian
## 206	Bypass Right Subclavian
## 207	Bypass Right Subclavian Artery
## 208	Bypass Right Subclavian Artery to U
## 209	Bypass Right Subclavian Artery to L
## 210	Bypass Right Subclavian Artery to Lower L
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## 212	
## 213	Bypa
## 214	Bypass Left Subclavian Arter
## 215	Bypass Left Subclavian Arter
## 216	Bypass Left Subclavian Artery to
## 217	Bypass Left Subclavian Artery
## 218	Bypass Left Subclavian Artery
## 219	Bypass Left Subclavian Artery to L
## 220	Bypass Left Subclavian
## 221	Bypass Left Subclavian
## 222	Bypass Left Subclavian Artery
## 223	Bypass Left Subclavian Artery to U
## 224	Bypass Left Subclavian Artery to L
## 225	Bypass Left Subclavian Artery to Lower L
## 226	
## 227	
## 228	By
## 229	Bypass Right Axillary Arter
## 230	Bypass Right Axillary Arter
## 231	Bypass Right Axillary Artery to
## 232	Bypass Right Axillary Artery
## 233	Bypass Right Axillary Artery
## 234	Bypass Right Axillary Artery to L
## 235	Bypass Right Axillary
## 236	Bypass Right Axillary
## 237	Bypass Right Axillary Artery
## 238	Bypass Right Axillary Artery to U
## 239	Bypass Right Axillary Artery to L
## 240	Bypass Right Axillary Artery to Lower L
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## 243	Bypass Left Axillary Artery to Lower Limb
## 244	Bypass Left Axillary Artery to Lower Limb
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## 261	Bypass Right Brachial Artery to Lower Limb
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## 296	Bypass Left Brachial Artery to Super
## 297	Bypass Left Brachial Artery to Lower
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## 301	
## 302	Bypass Right Ulnar Arter
## 303	Bypass Right Ulnar Arter
## 304	Bypass Right Ulnar
## 305	Bypass Right Ulnar Artery to
## 306	
## 307	Bypass Left Ulnar Arter
## 308	Bypass Left Ulnar Arter
## 309	Bypass Left Ulnar
## 310	Bypass Left Ulnar Artery to
## 311	
## 312	Bypass Right Radial Arter
## 313	Bypass Right Radial Arter
## 314	Bypass Right Radial
## 315	Bypass Right Radial Artery to
## 316	
## 317	Bypass Left Radial Arter
## 318	Bypass Left Radial Arter
## 319	Bypass Left Radial
## 320	Bypass Left Radial Artery to
## 321	
## 322	Bypass Right Femoral Artery to
## 323	Bypass Right Femoral Artery to L
## 324	Bypass Right Femoral Arter
## 325	Bypass Right Femoral Artery to Lower
## 326	
## 327	Bypass Right Femoral Artery to Lower Extremity Ve
## 328	Bypass Right Femoral Artery to Lower Extremity Vein
## 329	Bypass Right Femoral Artery to Lower Extremity
## 330	Bypass Right Femoral Artery to Lower Extremity Vein with
## 331	Bypass Right Femora
## 332	Bypass Left Femoral Artery to
## 333	Bypass Left Femoral Artery to L
## 334	Bypass Left Femoral Arter
## 335	Bypass Left Femoral Artery to Lower
## 336	
## 337	Bypass Left Femoral Artery to Lower Extremity Ve
## 338	Bypass Left Femoral Artery to Lower Extremity Vein
## 339	Bypass Left Femoral Artery to Lower Extremity
## 340	Bypass Left Femoral Artery to Lower Extremity Vein with
## 341	Bypass Left Femora
## 342	Bypass Right Popliteal Artery to
## 343	Bypass Right Popliteal Artery to L
## 344	Bypass Right Popliteal Arter
## 345	Bypass Right Popliteal Artery to Lower
## 346	By
## 347	Bypass Right Popliteal Artery to Lower Extremity Ve
## 348	Bypass Right Popliteal Artery to Lower Extremity Vein
## 349	Bypass Right Popliteal Artery to Lower Extremity

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## 406	Bypass Right
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## 408	Bypass Right Hepatic
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## 422	Bypass Right Hepatic Duct to D
## 423	Bypass Right Hepatic Duct to S
## 424	Bypass Right Hepatic Duct to Right Hepat.
## 425	Bypass Right Hepatic Duct to Left Hepat.
## 426	Bypass Right Hepatic Duct to Caudate Hepat.
## 427	Bypass Right Hepatic Duct to Cyst.
## 428	Bypass Right Hepatic Duct to Common Bi
## 429	Bypass Right Hepatic Duct to Small In
## 430	Bypass
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## 434	Bypass Right Hepa
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## 455	Bypass Left Hepatic Duct to S
## 456	Bypass Left Hepatic Duct to Right Hepat.
## 457	Bypass Left Hepatic Duct to Left Hepat.

## 458	Bypass Left Hepatic Duct to Caudate Hepat.
## 459	Bypass Left Hepatic Duct to Cyst.
## 460	Bypass Left Hepatic Duct to Common Bi.
## 461	Bypass Left Hepatic Duct to Small Int.
## 462	Bypass
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## 464	Bypass Left Hep.
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## 468	Bypass Left
## 469	Bypass Left
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## 471	Bypass Comm
## 472	Bypass Common Hepatic
## 473	Bypass Common Hepatic
## 474	Bypass Common Hepatic Duct
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## 486	Bypass Common Hepatic Duct to Du
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## 488	Bypass Common Hepatic Duct to Right Hepat.
## 489	Bypass Common Hepatic Duct to Left Hepat.
## 490	Bypass Common Hepatic Duct to Caudate Hepat.
## 491	Bypass Common Hepatic Duct to Cyst.
## 492	Bypass Common Hepatic Duct to Common Bi.
## 493	Bypass Common Hepatic Duct to Small Int.
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## 502	Bypass
## 503	Bypass
## 504	Bypass Cystic
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## 509	Bypass Cyst.
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## 518	Bypass Cystic Duct to Duodenum
## 519	Bypass Cystic Duct to Small Intestine
## 520	Bypass Cystic Duct to Right Hepatic Duct
## 521	Bypass Cystic Duct to Left Hepatic Duct
## 522	Bypass Cystic Duct to Caudate Hepatic Duct
## 523	Bypass Cystic Duct to Cystic Duct
## 524	Bypass Cystic Duct to Common Bile Duct
## 525	Bypass Cystic Duct to Small Intestine
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## 528	Bypass Cystic Duct to Duodenum
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## 530	Bypass Cystic Duct to Right Hepatic Duct
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## 532	Bypass Cystic Duct to Caudate Hepatic Duct
## 533	Bypass Cystic Duct to Cystic Duct
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## 557	Bypass Common Bile Duct to Small Intestine
## 558	Bypass Common Bile Duct to Duodenum
## 559	Bypass Common Bile Duct to Small Intestine
## 560	Bypass Common Bile Duct to Right Hepatic Duct
## 561	Bypass Common Bile Duct to Left Hepatic Duct
## 562	Bypass Common Bile Duct to Caudate Hepatic Duct
## 563	Bypass Common Bile Duct to Cystic Duct
## 564	Bypass Common Bile Duct to Common Bile Duct
## 565	Bypass Common Bile Duct to Small Intestine

## 566	Bypass Pa
## 567	Bypass Pancreat.
## 568	Bypass Pancreat.
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## 572	Bypass Pancreatic Duct to Du
## 573	Bypass Pancreatic Duct to Small In
## 574	Bypass Pancreatic Duct to Large In
## 575	By
## 576	Bypass Pa
## 577	Bypass Pa
## 578	Bypass Accessory Pa
## 579	Bypass Accessory Pancreat.
## 580	Bypass Accessory Pancreat.
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## 584	Bypass Accessory Pancreatic Duct to Du
## 585	Bypass Accessory Pancreatic Duct to Small In
## 586	Bypass Accessory Pancreatic Duct to Large In
## 587	Bypass Acces
## 588	Bypass Accessory Pa
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## 591	Bypass Pa
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## 596	Bypass Pancreas to Du
## 597	Bypass Pancreas to Small In
## 598	Bypass Pancreas to Large In
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## 600	By
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## 604	Destruction of Liver us
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## 608	Destruction of Right Lobe Liver us
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## 612	Destruction of Left Lobe Liver us
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## 632	Destruction of Pancreas us
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## 634	Dila
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## 636	Dilation of Right Hepat.
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## 640	Dilation of Left Hepat.
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## 642	Dilat.
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## 644	Dilation of Common Hepat.
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## 648	Dilation of Cyst.
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## 652	Dilation of Common Bi
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## 656	Dilation of Ampulla o
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## 660	Dilation of Pancreat.
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## 664	Dilation of Accessory Pancreat.
## 665	Dilat.
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## 674	Drainage of Right
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## 678	Drainage of Left
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## 682	Drainage of Right H
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## 685	
## 686	Drainage of Left H
## 687	
## 688	D
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## 690	Drainage of Common H
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## 694	Drainage of C
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## 698	Drainage of Common
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## 710	Drainage of Accessory Panc
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## 782	Insertion of Monitor
## 783	Insertion of Infus
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## 786	Insertion of Monitor
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## 791	Inser
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## 793	Insertion of Radioactive
## 794	Insertion of Monitoring
## 795	Insertion of Infusion
## 796	Insertion of Intralumina
## 797	Insertion of Other
## 798	Ina
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## 800	
## 801	Ina
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## 803	Insertion of Radioact
## 804	Insertion of Monitor
## 805	Insertion of Infus
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## 823	Occlusion of Left Hepat
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## 829	Occlusion of Common Hepat
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## 835	Occlusion of Cyst

## 836	Occlusion of Cyst.
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## 841	Occlusion of Common Bi.
## 842	Occlusion of Common Bi.
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## 847	Occlusion of Ampulla o
## 848	Occlusion of Ampulla o
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## 850	Occ
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## 853	Occlusion of Pancreat.
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## 890	Removal of
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## 900	Removal of
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## 902	Removal of Nonautologous
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## 904	Removal of Drainage
## 905	Removal of Radioactive
## 906	Removal of Monitoring
## 907	Removal of Infusion
## 908	Removal of Autologous Tissue Sub
## 909	Removal of Extraluminal
## 910	Removal of Intraluminal
## 911	Removal of Synthetic Sub
## 912	Removal of Nonautologous Tissue Sub
## 913	Removal of Other
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## 921	Removal of
## 922	Removal of Nonautologous
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## 924	Removal of Drainage
## 925	Removal of Radioactive
## 926	Removal of Monitoring
## 927	Removal of Infusion
## 928	Removal of Autologous Tissue Sub
## 929	Removal of Extraluminal
## 930	Removal of Intraluminal
## 931	Removal of Synthetic Sub
## 932	Removal of Nonautologous Tissue Sub
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## 973	Replacement of Right Hepatic Duct with
## 974	Replacement of
## 975	Replacem
## 976	Replacement of Left
## 977	Replacement of Left Hepatic Duct w
## 978	Replacement of Left Hepatic
## 979	Replacement of Left Hepatic Duct with
## 980	Replacement of Com
## 981	Replacem
## 982	Replacement of Common
## 983	Replacement of Common Hepatic Duct w
## 984	Replacement of Common Hepatic
## 985	Replacement of Common Hepatic Duct with
## 986	Replacem
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## 988	Replacement o
## 989	Replacement of Cystic Duct w
## 990	Replacement of Cystic
## 991	Replacement of Cystic Duct with
## 992	Replacement of
## 993	Replac
## 994	Replacement of Com
## 995	Replacement of Common Bile Duct w
## 996	Replacement of Common Bile
## 997	Replacement of Common Bile Duct with

## 998	Replacement of
## 999	Replac
## 1000	Replacement of Amp
## 1001	Replacement of Ampulla of Vater w
## 1002	Replacement of Ampulla of
## 1003	Replacement of Ampulla of Vater with
## 1004	Replacement o
## 1005	Repla
## 1006	Replacement of Pan
## 1007	Replacement of Pancreatic Duct w
## 1008	Replacement of Pancreatic
## 1009	Replacement of Pancreatic Duct with
## 1010	Replacement of Accessory
## 1011	Replacement of A
## 1012	Replacement of Accessory Pa
## 1013	Replacement of Accessory Pancreatic Duct w
## 1014	Replacement of Accessory Pancreatic
## 1015	Replacement of Accessory Pancreatic Duct with
## 1016	
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## 1037	Resect.
## 1038	
## 1039	
## 1040	Supplement R
## 1041	Supp
## 1042	Supplement Righ
## 1043	Supplement Right Hepatic Duct w
## 1044	Supplement Right Hepatic
## 1045	Supplement Right Hepatic Duct with
## 1046	Supplement l
## 1047	Supp
## 1048	Supplement Lef
## 1049	Supplement Left Hepatic Duct w
## 1050	Supplement Left Hepatic
## 1051	Supplement Left Hepatic Duct with

## 1052	Supplement Common
## 1053	Supplement
## 1054	Supplement Common
## 1055	Supplement Common Hepatic Duct w
## 1056	Supplement Common Hepatic
## 1057	Supplement Common Hepatic Duct with
## 1058	Supplement
## 1059	
## 1060	Supplement
## 1061	Supplement Cystic Duct w
## 1062	Supplement Cystic
## 1063	Supplement Cystic Duct with
## 1064	Supplement
## 1065	Supplement
## 1066	Supplement Common
## 1067	Supplement Common Bile Duct w
## 1068	Supplement Common Bile
## 1069	Supplement Common Bile Duct with
## 1070	Supplement
## 1071	Supplement
## 1072	Supplement Amp
## 1073	Supplement Ampulla of Vater w
## 1074	Supplement Ampulla of
## 1075	Supplement Ampulla of Vater with
## 1076	Supplement
## 1077	Supplement
## 1078	Supplement Pa
## 1079	Supplement Pancreatic Duct w
## 1080	Supplement Pancreatic
## 1081	Supplement Pancreatic Duct with
## 1082	Supplement Accessory
## 1083	Supplement
## 1084	Supplement Accessory Pa
## 1085	Supplement Accessory Pancreatic Duct w
## 1086	Supplement Accessory Pancreatic
## 1087	Supplement Accessory Pancreatic Duct with
## 1088	Restriction
## 1089	Restriction
## 1090	
## 1091	Restriction of Right Hepat.
## 1092	Restriction of Right Hepat.
## 1093	Restriction
## 1094	Restriction
## 1095	Restriction
## 1096	
## 1097	Restriction of Left Hepat.
## 1098	Restriction of Left Hepat.
## 1099	Restriction
## 1100	Restriction
## 1101	Restriction
## 1102	
## 1103	Restriction of Common Hepat.
## 1104	Restriction of Common Hepat.
## 1105	Restriction

## 1106	
## 1107	
## 1108	
## 1109	Restriction of Cyst.
## 1110	Restriction of Cyst.
## 1111	
## 1112	Restr.
## 1113	Restr.
## 1114	
## 1115	Restriction of Common Bi.
## 1116	Restriction of Common Bi.
## 1117	
## 1118	Restr.
## 1119	Restr.
## 1120	
## 1121	Restriction of Ampulla o
## 1122	Restriction of Ampulla o
## 1123	
## 1124	Rest.
## 1125	Rest.
## 1126	
## 1127	Restriction of Pancreat.
## 1128	Restriction of Pancreat.
## 1129	
## 1130	Restriction of
## 1131	Restriction of
## 1132	
## 1133	Restriction of Accessory Pancreat.
## 1134	Restriction of Accessory Pancreat.
## 1135	Restrict.
## 1136	
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## 1140	Revis.
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## 1142	Revis.
## 1143	Re
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## 1147	Revision of
## 1148	Re
## 1149	Re
## 1150	Rev.
## 1151	Revision of Nor
## 1152	
## 1153	Revision of Drain
## 1154	Revision of Monitor
## 1155	Revision of Infus
## 1156	Revision of Autologous Tissue S
## 1157	Revision of Extralumin
## 1158	Revision of Intralumin
## 1159	Revision of Synthetic S

## 1160	Revision of Nonautologous Tissue S
## 1161	Revision of Oth
## 1162	
## 1163	
## 1164	
## 1165	Revision
## 1166	
## 1167	
## 1168	
## 1169	Revision of
## 1170	
## 1171	Revision of Dr
## 1172	Revision of Moni
## 1173	Revision of In
## 1174	Revision of Autologous Tissu
## 1175	Revision of Extral
## 1176	Revision of Intral
## 1177	Revision of Synthet
## 1178	Revision of Nonautologous Tissu
## 1179	Revision of
## 1180	
## 1181	
## 1182	
## 1183	
## 1184	
## 1185	Revision
## 1186	Revision o
## 1187	Revision
## 1188	Revision of
## 1189	Revi
## 1190	Alteration
## 1191	A
## 1192	Alteration o
## 1193	
## 1194	Alterati
## 1195	
## 1196	Alteration o
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## 1198	Alteration of
## 1199	Alter
## 1200	Alteration of Bi
## 1201	
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## 1221	
## 1222	Removal of
## 1223	
## 1224	Removal of
## 1225	
## 1226	Removal of
## 1227	
## 1228	Removal of
## 1229	
## 1230	Replacement of Right Breast
## 1231	Replacement of Right Breast
## 1232	Replacement of Right Breast
## 1233	Replacement of Right Breast
## 1234	Replacement of
## 1235	Replacement of
## 1236	Replacement of
## 1237	Replacement of
## 1238	Replacement of Left Breast
## 1239	Replacement of Left Breast
## 1240	Replacement of Left Breast
## 1241	Replacement of Left Breast
## 1242	Replacement of
## 1243	Replacement of
## 1244	Replacement of
## 1245	Replacement of Bilateral Breast
## 1246	Replacement of Bilateral Breast
## 1247	Replacement of Bilateral Breast
## 1248	Replacement of Bilateral Breast
## 1249	Replacement of Bilateral Breast
## 1250	Replacement of Bilateral Breast
## 1251	Replacement of
## 1252	Replacement of
## 1253	Replacement of Bilateral Breast
## 1254	
## 1255	
## 1256	
## 1257	
## 1258	
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## 1260	
## 1261	Supplemental
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## 1263	Supplemental
## 1264	Supplemental
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## 1266	Supplemental
## 1267	Supplemental

## 1268	Sup
## 1269	Supplement Bi
## 1270	
## 1271	
## 1272	Transfer Righ
## 1273	Transfer Right Trunk Musc.
## 1274	Transfer Right Trunk M
## 1275	Transfer
## 1276	Transfer Right Trunk Muscle, La
## 1277	Transfer Right Trunk Muscle, Deep Inferior Ep
## 1278	Transfer Right Trunk Muscle, Superficial
## 1279	Transfer Right Trunk Muscle
## 1280	Transfer Le
## 1281	Transfer Left Trunk Musc
## 1282	Transfer Left Trunk M
## 1283	Transfe
## 1284	Transfer Left Trunk Muscle, La
## 1285	Transfer Left Trunk Muscle, Deep Inferior Ep
## 1286	Transfer Left Trunk Muscle, Superficial
## 1287	Transfer Left Trunk Muscle
## 1288	Transfer Right Abdomen Mus
## 1289	Transfer Right Abdomen Muscle, Transverse Re
## 1290	Transfer Left Abdomen Mus
## 1291	Transfer Left Abdomen Muscle, Transverse Re
## 1292	Occlusion
## 1293	Bypass Righ
## 1294	Bypass Right Atriu
## 1295	Bypass Right Atr
## 1296	Bypass Right Atrium to Pulmona
## 1297	Bypass Right Atrium to Right Pulmona
## 1298	Bypass Right Atrium to Left Pulmona
## 1299	Bypass Le
## 1300	Bypass Left Atriu
## 1301	Bypass Left Atr
## 1302	Bypass Left At
## 1303	Bypass Left A
## 1304	Bypass Left Atrium
## 1305	Bypass Left Atrium to
## 1306	Bypass Left Atrium to
## 1307	Bypass Left Atrium to Pulm
## 1308	Bypass Left Atrium to R
## 1309	Bypass Left Atrium to L
## 1310	Bypass Left Atrium to Pulmona
## 1311	Bypass Left Atrium
## 1312	Bypass Left Atriu
## 1313	Bypass Left Atrium to L
## 1314	Bypass Left Atrium to Right M
## 1315	Bypass Left Atrium to Left M
## 1316	Bypass Left Atrium to Pulmonary V
## 1317	
## 1318	
## 1319	
## 1320	Bypass Left Atrium to Pulmona
## 1321	Bypass Left Atrium to Right Pulmona

## 1322	Bypass Left Atrium to Left Pulmona
## 1323	Bypass Left Atrium to Right Pulmon
## 1324	Bypass Left Atrium to Left Pulmon
## 1325	Bypass Left Atrium to Pulmonary Vein C
## 1326	Bypass Left Atrium to Right Pulmonary Ve
## 1327	Bypass Left Atrium to Left Pulmonary Ve
## 1328	Bypass Left Atrium to Pulmonary Vein Confluenc
## 1329	Bypass Left Atrium to Right Pulmonary Vein
## 1330	Bypass Left Atrium to Left Pulmonary Vein
## 1331	Bypass Left Atrium to Pulmonary Vein Confluence
## 1332	Bypass Left Atrium to Right Pulmonary
## 1333	Bypass Left Atrium to Left Pulmonary
## 1334	Bypass Left Atrium to Pulmonary Vein Conf
## 1335	Bypass Left Atrium to Right Pulmonary Vein with
## 1336	Bypass Left Atrium to Left Pulmonary Vein with
## 1337	Bypass Left Atrium to Pulmonary Vein Confluence with
## 1338	Bypass Left
## 1339	Bypass Le
## 1340	Bypass Left Atr
## 1341	Bypass Right V
## 1342	Bypass Right Ventricle
## 1343	Bypass Right Ventricle
## 1344	Bypass Right Ventricle
## 1345	Bypass Right Ventricle to R
## 1346	Bypass Right Ventricle to L
## 1347	Bypass Right Ventricle
## 1348	Bypass Right Ventricle to Right
## 1349	Bypass Right Ventricle to Le
## 1350	Bypass Right Ven
## 1351	Bypass Right Ventricle
## 1352	Bypass Right Ventricle
## 1353	Bypass Right Ventricle to P
## 1354	Bypass Right Ventricle to Right Pul
## 1355	Bypass Right Ventricle to Left Pul
## 1356	
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## 1364	
## 1365	Bypass Right Ventricle to Pulmona
## 1366	Bypass Right Ventricle to Right Pulmona
## 1367	Bypass Right Ventricle to Left Pulmona
## 1368	Bypass Right Ventricle to Pulmonary Trun
## 1369	Bypass Right Ventricle to Right Pulmonary Arter
## 1370	Bypass Right Ventricle to Left Pulmonary Arter
## 1371	Bypass Right Ventricle to Pulmonary Trunk
## 1372	Bypass Right Ventricle to Right Pulmonary Artery
## 1373	Bypass Right Ventricle to Left Pulmonary Artery
## 1374	Bypass Right Ventricle to Pulmonary
## 1375	Bypass Right Ventricle to Right Pulmonary

## 1376	Bypass Right Ventricle to Left Pulmonary A
## 1377	Bypass Right Ventricle to Pulmonary Trunk with
## 1378	Bypass Right Ventricle to Right Pulmonary Artery with
## 1379	Bypass Right Ventricle to Left Pulmonary Artery with
## 1380	Bypass Right V
## 1381	Bypass Right Ven
## 1382	Bypass Right Ven
## 1383	Bypass Ri
## 1384	Bypass Righ
## 1385	Bypass Ri
## 1386	Bypass Right Ven
## 1387	Bypass Right Ven
## 1388	
## 1389	Bypass Left V
## 1390	Bypass Left Ventricle
## 1391	Bypass Left Ventricle
## 1392	Bypass Left Ventricle
## 1393	Bypass Left Ventricle to R
## 1394	Bypass Left Ventricle to L
## 1395	Bypass Left Ventricle
## 1396	Bypass Left Ventricle to Right
## 1397	Bypass Left Ventricle to Le
## 1398	Bypass Left Ven
## 1399	Bypass Left Ventricle
## 1400	Bypass Left Ventricle
## 1401	Bypass Left Ventricle to P
## 1402	Bypass Left Ventricle to Right Pul
## 1403	Bypass Left Ventricle to Left Pul
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## 1413	Bypass Left Ventricle to Pulmona
## 1414	Bypass Left Ventricle to Right Pulmona
## 1415	Bypass Left Ventricle to Left Pulmona
## 1416	Bypass Left Ventricle to Pulmonary Trun
## 1417	Bypass Left Ventricle to Right Pulmonary Arte
## 1418	Bypass Left Ventricle to Left Pulmonary Arte
## 1419	Bypass Left Ventricle to Pulmonary Trunk
## 1420	Bypass Left Ventricle to Right Pulmonary Artery
## 1421	Bypass Left Ventricle to Left Pulmonary Artery
## 1422	Bypass Left Ventricle to Pulmonary
## 1423	Bypass Left Ventricle to Right Pulmonary A
## 1424	Bypass Left Ventricle to Left Pulmonary A
## 1425	Bypass Left Ventricle to Pulmonary Trunk with
## 1426	Bypass Left Ventricle to Right Pulmonary Artery with
## 1427	Bypass Left Ventricle to Left Pulmonary Artery with
## 1428	Bypass Left V
## 1429	Bypass Left Ven

## 1430	Bypass Left Ven
## 1431	Bypass L
## 1432	Bypass Le
## 1433	Bypass L
## 1434	Bypass Left Ven
## 1435	Bypass Left Ven
## 1436	
## 1437	Creation of Aortic Valve fr
## 1438	Creation of Aort
## 1439	Creation of Aortic V
## 1440	Creation of Aortic Valve from '
## 1441	Creation of Mitral Valve from Common Atriovent
## 1442	Creation of Mitral Valve from Com
## 1443	Creation of Mitral Valve from Common
## 1444	Creation of Mitral Valve from Common Atriovent.
## 1445	Creation of Tricuspid Valve from Common Atriovent
## 1446	Creation of Tricuspid Valve from Com
## 1447	Creation of Tricuspid Valve from Common
## 1448	Creation of Tricuspid Valve from Common Atriovent.
## 1449	
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## 1478	D
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## 1481	Dilation of
## 1482	
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## 1484	Dilation of Aortic Valve with M
## 1485	Dilation of Aorti
## 1486	
## 1487	Dilation of
## 1488	
## 1489	
## 1490	Dilation of Mitral Valve with M
## 1491	Dilation of Mitra
## 1492	
## 1493	Dilation of Pul
## 1494	D
## 1495	
## 1496	Dilation of Pulmonary Valve with M
## 1497	Dilation of Pulmonary
## 1498	
## 1499	Dilation of Tr
## 1500	D
## 1501	
## 1502	Dilation of Tricuspid Valve with M
## 1503	Dilation of Tricuspi
## 1504	
## 1505	Dilation of Ri
## 1506	D
## 1507	
## 1508	Dilation of Right Ventricle with M
## 1509	Dilation of Right Ven
## 1510	
## 1511	Dilation of L
## 1512	L
## 1513	
## 1514	Dilation of Left Ventricle with M
## 1515	Dilation of Left Ven
## 1516	
## 1517	Dila
## 1518	
## 1519	Dilation of Ductus Arteriosus with M
## 1520	Dilation of Ductus Arto
## 1521	
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## 1558	Extirpation of
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## 1562	Extirpation of
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## 1568	Extirpation of
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## 1570	Extirpation of
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## 1572	Extirpation of
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## 1574	Extirpation of
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## 1576	Extirpation of
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## 1578	Extirpation of
## 1579	
## 1580	Extirpation of
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## 1582	Extirpation of
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## 1584	Extirpation of
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## 1589	
## 1590	
## 1591	Insertion of Pressure Sensor Mon

## 1592	Insertion of Mon
## 1593	Insertion of In
## 1594	Insertion of Intra
## 1595	Insertion of
## 1596	Insertion of
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## 1600	
## 1601	Insertion of Pressure Sensor Mon
## 1602	Insertion of Mon
## 1603	Insertion of
## 1604	Insertion of Intra
## 1605	Insertion of
## 1606	Inse
## 1607	Insertion of Short-term Exte
## 1608	Insertion of Biventricular
## 1609	Insertion of
## 1610	
## 1611	Insertion of Implantabl
## 1612	Insertion of Short-term External Heart Assist S
## 1613	Insertion of Biventricular Short-term External
## 1614	Insertion of Short-term External
## 1615	Inse
## 1616	Insertion of Pres
## 1617	
## 1618	
## 1619	In
## 1620	
## 1621	Insertion of Pressure Sensor Monito
## 1622	Insertion of Monito
## 1623	Insertion of Infu
## 1624	Insertion of Intralum
## 1625	Insertion of O
## 1626	Insertion of Pr
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## 1629	In
## 1630	
## 1631	Insertion of Pressure Sensor Monito
## 1632	Insertion of Monito
## 1633	Insertion of Infu
## 1634	Insertion of Intralum
## 1635	Insertion of
## 1636	Insertion of
## 1637	
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## 1639	Insertion of Pressure Sensor Mon
## 1640	Insertion of Mon
## 1641	Insertion of
## 1642	Occlusion
## 1643	
## 1644	Occlusion of Left Atrial App
## 1645	Occlusion of Left Atrial App

## 1646	Oc
## 1647	Oc
## 1648	Oc
## 1649	
## 1650	Occlusion of Pulmonary
## 1651	Occlusion of Pulmonary
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## 1689	
## 1690	Rem
## 1691	Removal of Biventricular
## 1692	Removal of
## 1693	
## 1694	Removal
## 1695	Remov
## 1696	Removal of Autolog
## 1697	Removal
## 1698	Removal o
## 1699	Removal o

## 1700	Removal of
## 1701	Removal of Nonautologous
## 1702	Removal of Implantable
## 1703	Removal of Biventricular Short-term External
## 1704	Removal of Short-term External
## 1705	Removal of
## 1706	
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## 1725	
## 1726	Repair Aortic Valve
## 1727	
## 1728	Repair Mitral Valve
## 1729	
## 1730	Repair Mitral Valve created from
## 1731	
## 1732	
## 1733	
## 1734	Repair Tricuspid Valve
## 1735	
## 1736	Repair Tricuspid Valve created from
## 1737	
## 1738	
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## 1744	
## 1745	
## 1746	Replacement of
## 1747	
## 1748	Replacement of
## 1749	Replacement of Atrial Septum with
## 1750	Replacement of Atrial Septum with
## 1751	Replacement of Atrial Septum with
## 1752	Replacement of Atrial Septum with
## 1753	Replacement of Atrial Septum with

## 1754	Replacement of
## 1755	
## 1756	Replacement of
## 1757	Replacement of
## 1758	Replacement of Right Atrium with
## 1759	Replacement of Right Atrium with
## 1760	Replacement of Right Atrium with
## 1761	Replacement of Right Atrium with
## 1762	Replacement of
## 1763	
## 1764	Replacement of
## 1765	Replacement of Left Atrium with
## 1766	Replacement of Left Atrium with
## 1767	Replacement of Left Atrium with
## 1768	Replacement of Left Atrium with
## 1769	Replacement of Left Atrium with
## 1770	Replacement of
## 1771	Replacement of
## 1772	Replacement of
## 1773	Replacement of Chordae
## 1774	Replacement of Chordae Tendineae with
## 1775	Replacement of Chordae Tendineae with
## 1776	Replacement of Chordae Tendineae with
## 1777	Replacement of Chordae Tendineae with
## 1778	Replacement of Heart with Biologic and Synthetic
## 1779	Replacement of
## 1780	Replacement of
## 1781	Replacement of
## 1782	Replacement of
## 1783	Replacement of Papillary Muscle with
## 1784	Replacement of Papillary Muscle with
## 1785	Replacement of Papillary Muscle with
## 1786	Replacement of Papillary Muscle with
## 1787	Replacement of Papillary Muscle with
## 1788	Replacement of
## 1789	
## 1790	Replacement of
## 1791	Replacement of
## 1792	Replacement of Aortic Valve with
## 1793	Replacement of Aortic Valve with
## 1794	Replacement of Aortic Valve with
## 1795	Replacement of Aortic Valve with
## 1796	Replacement of
## 1797	
## 1798	Replacement of
## 1799	Replacement of
## 1800	Replacement of Mitral Valve with
## 1801	Replacement of Mitral Valve with
## 1802	Replacement of Mitral Valve with
## 1803	Replacement of Mitral Valve with
## 1804	Replacement of
## 1805	Replacement of
## 1806	Replacement of
## 1807	Replacement of

## 1808	Replacement of Pulmonary Valve w
## 1809	Replacement of Pulmona
## 1810	Replacement of Pulmonary
## 1811	Replacement of Pulmonary Valve with
## 1812	Replacement of
## 1813	Repl
## 1814	Repla
## 1815	Replacement of T
## 1816	Replacement of Tricuspid Valve w
## 1817	Replacement of Tricuspid
## 1818	Replacement of Tricuspid
## 1819	Replacement of Tricuspid Valve with
## 1820	Replacement of
## 1821	Repl
## 1822	Repla
## 1823	Replacement of R
## 1824	Replacement of Right Ventricle w
## 1825	Replacement of Right V
## 1826	Replacement of Right Ven
## 1827	Replacement of Right Ventricle with
## 1828	Replacement of
## 1829	R
## 1830	Repl
## 1831	Replacement of
## 1832	Replacement of Left Ventricle w
## 1833	Replacement of Left V
## 1834	Replacement of Left Ven
## 1835	Replacement of Left Ventricle with
## 1836	Replacement of V
## 1837	Repla
## 1838	Replacem
## 1839	Replacement of Vent
## 1840	Replacement of Ventricular Septum w
## 1841	Replacement of Ventricul
## 1842	Replacement of Ventricular S
## 1843	Replacement of Ventricular Septum with
## 1844	Replacem
## 1845	
## 1846	R
## 1847	Replacement of
## 1848	Replacement of Pericardium w
## 1849	Replacement of Per
## 1850	Replacement of Perica
## 1851	Replacement of Pericardium with
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## 1864	
## 1865	
## 1866	
## 1867	Supplement
## 1868	
## 1869	
## 1870	Supplement
## 1871	Supplement Atrial Septum w
## 1872	Supplement Atrial
## 1873	Supplement Atrial S
## 1874	Supplement Atrial Septum with
## 1875	Supplement
## 1876	
## 1877	
## 1878	Supplement
## 1879	Supplement Right Atrium w
## 1880	Supplement Righ
## 1881	Supplement Right A
## 1882	Supplement Right Atrium with
## 1883	Supplement
## 1884	
## 1885	
## 1886	Supplement
## 1887	Supplement Left Atrium w
## 1888	Supplement Le
## 1889	Supplement Left A
## 1890	Supplement Left Atrium with
## 1891	Supplement C
## 1892	S
## 1893	Sup
## 1894	Supplement Cho
## 1895	Supplement Chordae Tendineae w
## 1896	Supplement Chordae
## 1897	Supplement Chordae Ten
## 1898	Supplement Chordae Tendineae with
## 1899	
## 1900	
## 1901	
## 1902	Sup
## 1903	Supplement Heart w
## 1904	Supplement
## 1905	Supplement
## 1906	Supplement Heart with
## 1907	Supplement
## 1908	
## 1909	Sup
## 1910	Supplement Pap
## 1911	Supplement Papillary Muscle w
## 1912	Supplement Papilla
## 1913	Supplement Papillary M
## 1914	Supplement Papillary Muscle with
## 1915	Supplement Aortic Valve created f

1916 Supplement Aortic Valve
 ## 1917 Supplement Aortic Valve
 ## 1918 Supplement Aortic Valve
 ## 1919 Supplement Aortic Valve created from
 ## 1920 Supplement Aortic Valve created from
 ## 1921 Supplement Aortic Valve created from Truncal Valve with
 ## 1922 Supplement Aortic Valve with
 ## 1923 Supplement Aortic Valve created from Truncal
 ## 1924 Supplement Aortic
 ## 1925 Supplement Aortic Valve created from Truncal
 ## 1926 Supplement Aortic
 ## 1927 Supplement Aortic Valve created from Truncal
 ## 1928 Supplement Aortic
 ## 1929 Supplement Aortic Valve created from Truncal Valve with
 ## 1930 Supplement Aortic Valve with
 ## 1931 Supplement Mitral Valve created from Left Atrioventricular
 ## 1932 Supplement Mitral Valve created from
 ## 1933 Supplement Mitral Valve created from
 ## 1934 Supplement Mitral Valve created from Left Atrioventricular
 ## 1935 Supplement Mitral Valve created from Left Atrioventricular
 ## 1936 Supplement Mitral Valve created from Left Atrioventricular
 ## 1937 Supplement Mitral Valve created from Left Atrioventricular
 ## 1938 Supplement Mitral Valve created from Left Atrioventricular
 ## 1939 Supplement Mitral Valve created from Left Atrioventricular
 ## 1940 Supplement Mitral Valve with
 ## 1941 Supplement Mitral Valve created from Left Atrioventricular
 ## 1942 Supplement Mitral
 ## 1943 Supplement Mitral Valve created from Left Atrioventricular
 ## 1944 Supplement Mitral
 ## 1945 Supplement Mitral Valve created from Left Atrioventricular Valve with
 ## 1946 Supplement Mitral Valve with
 ## 1947 Supplement Mitral
 ## 1948 Supplement Mitral
 ## 1949 Supplement Mitral
 ## 1950 Supplement Pulmonary
 ## 1951 Supplement Pulmonary Valve with
 ## 1952 Supplement Pulmonary
 ## 1953 Supplement Pulmonary
 ## 1954 Supplement Pulmonary Valve with
 ## 1955 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1956 Supplement Tricuspid
 ## 1957 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1958 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1959 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1960 Supplement Tricuspid
 ## 1961 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1962 Supplement Tricuspid
 ## 1963 Supplement Tricuspid Valve created from Right Atrioventricular Valve with
 ## 1964 Supplement Tricuspid Valve with
 ## 1965 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1966 Supplement Tricuspid
 ## 1967 Supplement Tricuspid Valve created from Right Atrioventricular
 ## 1968 Supplement Tricuspid
 ## 1969 Supplement Tricuspid Valve created from Right Atrioventricular Valve with

## 1970	Supplement Tricuspid Valve with
## 1971	Supplement
## 1972	
## 1973	Supplement
## 1974	Supplement R
## 1975	Supplement Right Ventricle w
## 1976	Supplement Right V
## 1977	Supplement Right Ven
## 1978	Supplement Right Ventricle with
## 1979	Supplement
## 1980	
## 1981	Supplement
## 1982	Supplement L
## 1983	Supplement Left Ventricle w
## 1984	Supplement Left V
## 1985	Supplement Left Ven
## 1986	Supplement Left Ventricle with
## 1987	Supplement V
## 1988	Supplement
## 1989	Supplement
## 1990	Supplement Vent
## 1991	Supplement Ventricular Septum w
## 1992	Supplement Ventricul
## 1993	Supplement Ventricular S
## 1994	Supplement Ventricular Septum with
## 1995	Supplement
## 1996	
## 1997	
## 1998	Supplement
## 1999	Supplement Pericardium w
## 2000	Supplement Pe
## 2001	Supplement Perica
## 2002	Supplement Pericardium with
## 2003	
## 2004	
## 2005	Restriction o
## 2006	
## 2007	
## 2008	
## 2009	Re-
## 2010	Re-
## 2011	
## 2012	Retriction of Left Ven
## 2013	Retriction of Left Ven
## 2014	
## 2015	
## 2016	Revision of Synth
## 2017	
## 2018	
## 2019	
## 2020	
## 2021	
## 2022	
## 2023	

##	2024	Revision of Biventricular Short-term External
##	2025	Revision of Biventricular Short-term External
##	2026	Revision of Biventricular Short-term External
##	2027	Revision of Biventricular Short-term External
##	2028	Revision of Biventricular Short-term External
##	2029	Revision of Biventricular Short-term External
##	2030	Revision of Biventricular Short-term External
##	2031	Revision of Autologous Transcatheter Aortic Valve Replacement
##	2032	Revision of Autologous Transcatheter Aortic Valve Replacement
##	2033	Revision of Autologous Transcatheter Aortic Valve Replacement
##	2034	Revision of Autologous Transcatheter Aortic Valve Replacement
##	2035	Revision of Autologous Transcatheter Aortic Valve Replacement
##	2036	Revision of Nonautologous Transcatheter Aortic Valve Replacement
##	2037	Revision of Implantable Cardioverter-Defibrillator
##	2038	Revision of Biventricular Short-term External
##	2039	Revision of Short-term External
##	2040	Revision of Short-term External
##	2041	Revision of Short-term External
##	2042	Revision of Short-term External
##	2043	Drainage of Pericardial Effusion
##	2044	Drainage of Pericardial Effusion
##	2045	Drainage of Pericardial Effusion
##	2046	Extirpation of Pericardial Effusion
##	2047	Extirpation of Pericardial Effusion
##	2048	Fragmentation of Pericardial Effusion
##	2049	Insertion of Pericardial Effusion
##	2050	Insertion of Pericardial Effusion
##	2051	Insertion of Pericardial Effusion
##	2052	Insertion of Radioactive Pericardial Effusion
##	2053	Insertion of Infusion Pericardial Effusion
##	2054	Insertion of Other Pericardial Effusion
##	2055	Insertion of Other Pericardial Effusion
##	2056	Removal of Pericardial Effusion
##	2057	Removal of Pericardial Effusion
##	2058	Removal of Pericardial Effusion
##	2059	Removal of Drainage Pericardial Effusion
##	2060	Removal of Radioactive Pericardial Effusion
##	2061	Removal of Infusion Pericardial Effusion
##	2062	Removal of Other Pericardial Effusion
##	2063	Removal of Other Pericardial Effusion
##	2064	Revision of Pericardial Effusion
##	2065	Revision of Pericardial Effusion
##	2066	Revision of Pericardial Effusion
##	2067	Revision of Drainage Pericardial Effusion
##	2068	Revision of Radioactive Pericardial Effusion
##	2069	Revision of Infusion Pericardial Effusion
##	2070	Revision of Other Pericardial Effusion
##	2071	Replacement of Aortic Valve using Zooplasmic Tissue, Rapid Deployment Technique
##	2072	Bypass Coronary Artery, One Artery from R
##	2073	Bypass Coronary Artery, One Artery from R
##	2074	Bypass Coronary Artery, One Artery from R
##	2075	Bypass Coronary Artery, One Artery from R
##	2076	Bypass Coronary Artery, One Artery from R
##	2077	Bypass Coronary Artery, One Artery from R

[illegible]

2132 Bypass Coronary Artery, Two Arteries from Aorta
 ## 2133 Bypass Coronary Artery, Two Arteries from Abdominal A
 ## 2134 Bypass Coronary Artery, Two Arteries from Abdominal Artery with
 ## 2135 Bypass Coronary Artery, Two
 ## 2136 Bypass Coronary Artery, Three Ar
 ## 2137 Bypass Coronary Artery, Three Arteries
 ## 2138 Bypass Coronary Artery, Three Arteries from R
 ## 2139 Bypass Coronary Artery, Three Arteries from L
 ## 2140 Bypass Coronary Artery, Three Arteries
 ## 2141 Bypass Coronary Artery, Three Arteries
 ## 2142 Bypass Coronary Artery, Three
 ## 2143 Bypass Coronary Artery, Three Arteries f
 ## 2144 Bypass Coronary Artery, Three Arteries from Righ
 ## 2145 Bypass Coronary Artery, Three Arteries from Le
 ## 2146 Bypass Coronary Artery, Three Arteries f
 ## 2147 Bypass Coronary Artery, Three Arteries fr
 ## 2148 Bypass Coronary Artery, Three A
 ## 2149 Bypass Coronary Artery, Three Arter
 ## 2150 Bypass Coronary Artery, Three Arteries from Ab
 ## 2151 Bypass Co
 ## 2152 Bypass Coronary Artery, Three Arteries from Abdomina
 ## 2153 Bypass Coronary Artery, Three Arteries from Coronary Arte
 ## 2154 Bypass Coronary Artery, Three Arteries from Right Internal Mamma
 ## 2155 Bypass Coronary Artery, Three Arteries from Left Internal Mamma
 ## 2156 Bypass Coronary Artery, Three Arteries from Thoracic Arte
 ## 2157 Bypass Coronary Artery, Three Arteries from Abdominal Arte
 ## 2158 Bypass Coronary Artery, Three Arteries from Aor
 ## 2159 Bypass Coronary Artery, Three Arteries from Coronary Artery
 ## 2160 Bypass Coronary Artery, Three Arteries from Right Internal Mammary
 ## 2161 Bypass Coronary Artery, Three Arteries from Left Internal Mammary
 ## 2162 Bypass Coronary Artery, Three Arteries from Thoracic Artery
 ## 2163 Bypass Coronary Artery, Three Arteries from Abdominal Artery
 ## 2164 Bypass Coronary Artery, Three Arteries from Aorta
 ## 2165 Bypass Coronary Artery, Three Arteries from Abdominal A
 ## 2166 Bypass Coronary Artery, Three Arteries from Abdominal Artery with
 ## 2167 Bypass Coronary Artery, Three
 ## 2168 Bypass Coronary Artery, Four or More Ar
 ## 2169 Bypass Coronary Artery, Four or More Arteries
 ## 2170 Bypass Coronary Artery, Four or More Arteries from R
 ## 2171 Bypass Coronary Artery, Four or More Arteries from L
 ## 2172 Bypass Coronary Artery, Four or More Arteries
 ## 2173 Bypass Coronary Artery, Four or More Arteries
 ## 2174 Bypass Coronary Artery, Four or More
 ## 2175 Bypass Coronary Artery, Four or More Arteries f
 ## 2176 Bypass Coronary Artery, Four or More Arteries from Righ
 ## 2177 Bypass Coronary Artery, Four or More Arteries from Le
 ## 2178 Bypass Coronary Artery, Four or More Arteries f
 ## 2179 Bypass Coronary Artery, Four or More Arteries fr
 ## 2180 Bypass Coronary Artery, Four or More A
 ## 2181 Bypass Coronary Artery, Four or More Arter
 ## 2182 Bypass Coronary Artery, Four or More Arteries from Ab
 ## 2183 Bypass Coronary A
 ## 2184 Bypass Coronary Artery, Four or More Arteries from Abdomina
 ## 2185 Bypass Coronary Artery, Four or More Arteries from Coronary Arte

2186 Bypass Coronary Artery, Four or More Arteries from Right Internal Mamma
 ## 2187 Bypass Coronary Artery, Four or More Arteries from Left Internal Mamma
 ## 2188 Bypass Coronary Artery, Four or More Arteries from Thoracic Arte
 ## 2189 Bypass Coronary Artery, Four or More Arteries from Abdominal Arte
 ## 2190 Bypass Coronary Artery, Four or More Arteries from Aor
 ## 2191 Bypass Coronary Artery, Four or More Arteries from Coronary Artery
 ## 2192 Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary
 ## 2193 Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary
 ## 2194 Bypass Coronary Artery, Four or More Arteries from Thoracic Artery
 ## 2195 Bypass Coronary Artery, Four or More Arteries from Abdominal Artery
 ## 2196 Bypass Coronary Artery, Four or More Arteries from Aorta
 ## 2197 Bypass Coronary Artery, Four or More Arteries from Abdominal A
 ## 2198 Bypass Coronary Artery, Four or More Arteries from Abdominal Artery with
 ## 2199 Bypass Coronary Artery, Four or More
 ## 2200 Bypass Coronary Artery, One
 ## 2201 Bypass Coronary Artery, One Artery
 ## 2202 Bypass Coronary Artery, One Artery
 ## 2203 Bypass Coronary Artery, One
 ## 2204 Bypass Coronary A
 ## 2205 Bypass Coronary Artery, One Ar
 ## 2206 Bypass Coronary Artery, One Artery fr
 ## 2207 Bypass Coronary Artery, One Artery f
 ## 2208 Bypass Coronary Artery, One Ar
 ## 2209 Bypass Coronary Arte
 ## 2210 Bypass Coronary Artery, One Artery from C
 ## 2211 Bypass Coronary Artery, One Artery from Right In
 ## 2212 Bypass Coronary Artery, One Artery from Left In
 ## 2213 Bypass Coronary Artery, One Artery from TI
 ## 2214 Bypass Coronary Artery, One Arto
 ## 2215 Bypa
 ## 2216 Bypass Coron
 ## 2217 Bypass Cor
 ## 2218 Bypa
 ## 2219 Bypass Coronary Artery, One Artery from Coronary Vein with I
 ## 2220 Bypass Coronary Artery, One Artery from Coronar
 ## 2221 Bypass Coronary Artery, One Artery from Right Interna
 ## 2222 Bypass Coronary Artery, One Artery from Left Interna
 ## 2223 Bypass Coronary Artery, One Artery from Thorac
 ## 2224 Bypass Coronary Artery, One Artery f
 ## 2225 Bypass Coronary Artery, One Artery from Coronar
 ## 2226 Bypass Coronary Artery, One Artery from Coronary A
 ## 2227 Bypass Coronary Artery, One Artery from Right Internal Ma
 ## 2228 Bypass Coronary Artery, One Artery from Left Internal Ma
 ## 2229 Bypass Coronary Artery, One Artery from Thoracic A
 ## 2230 Bypass Coronary Artery, One Artery from
 ## 2231 Bypass Coronary Artery, One Artery from Coronary Artery with
 ## 2232 Bypass Coronary Artery, One Artery from Right Internal Mammary with
 ## 2233 Bypass Coronary Artery, One Artery from Left Internal Mammary with
 ## 2234 Bypass Coronary Artery, One Artery from Thoracic Artery with
 ## 2235 Bypass Coronary Artery, One Artery from Aorta with
 ## 2236 Bypass Coronary Artery,
 ## 2237 Bypass Coronary Artery, One Ar
 ## 2238 Bypass Coronary Artery, One A
 ## 2239 Bypass Coronary Artery,

## 2240	Bypass Coronary Artery, Two Arteries
## 2241	Bypass Coronary Artery, Two Arteries
## 2242	Bypass Coronary Artery, Two Arteries
## 2243	Bypass Coronary Artery, Two Arteries
## 2244	Bypass Coronary Artery, Two Arteries
## 2245	Bypass Coronary Artery, Two Arteries
## 2246	Bypass Coronary Artery, Two Arteries from
## 2247	Bypass Coronary Artery, Two Arteries from
## 2248	Bypass Coronary Artery, Two Arteries from
## 2249	Bypass Coronary Artery, Two Arteries from
## 2250	Bypass Coronary Artery, Two Arteries from C
## 2251	Bypass Coronary Artery, Two Arteries from Right In
## 2252	Bypass Coronary Artery, Two Arteries from Left In
## 2253	Bypass Coronary Artery, Two Arteries from Th
## 2254	Bypass Coronary Artery, Two Arteries from
## 2255	Bypass Coronary Artery, Two Arteries from
## 2256	Bypass Coronary Artery, Two Arteries from
## 2257	Bypass Coronary Artery, Two Arteries from
## 2258	Bypass Coronary Artery, Two Arteries from
## 2259	Bypass Coronary Artery, Two Arteries from Coronary Vein with I
## 2260	Bypass Coronary Artery, Two Arteries from Coronary
## 2261	Bypass Coronary Artery, Two Arteries from Right Internal
## 2262	Bypass Coronary Artery, Two Arteries from Left Internal
## 2263	Bypass Coronary Artery, Two Arteries from Thoracic
## 2264	Bypass Coronary Artery, Two Arteries from
## 2265	Bypass Coronary Artery, Two Arteries from Coronary
## 2266	Bypass Coronary Artery, Two Arteries from Coronary
## 2267	Bypass Coronary Artery, Two Arteries from Right Internal M
## 2268	Bypass Coronary Artery, Two Arteries from Left Internal M
## 2269	Bypass Coronary Artery, Two Arteries from Thoracic
## 2270	Bypass Coronary Artery, Two Arteries from
## 2271	Bypass Coronary Artery, Two Arteries from Coronary Artery with
## 2272	Bypass Coronary Artery, Two Arteries from Right Internal Mammary with
## 2273	Bypass Coronary Artery, Two Arteries from Left Internal Mammary with
## 2274	Bypass Coronary Artery, Two Arteries from Thoracic Artery with
## 2275	Bypass Coronary Artery, Two Arteries from Aorta with
## 2276	Bypass Coronary Artery, Two Arteries from
## 2277	Bypass Coronary Artery, Two Arteries from
## 2278	Bypass Coronary Artery, Two Arteries from
## 2279	Bypass Coronary Artery, Two Arteries from
## 2280	Bypass Coronary Artery, Three Arteries
## 2281	Bypass Coronary Artery, Three Arteries
## 2282	Bypass Coronary Artery, Three Arteries
## 2283	Bypass Coronary Artery, Three Arteries
## 2284	Bypass Coronary Artery, Three Arteries
## 2285	Bypass Coronary Artery, Three Arteries
## 2286	Bypass Coronary Artery, Three Arteries from
## 2287	Bypass Coronary Artery, Three Arteries from
## 2288	Bypass Coronary Artery, Three Arteries from
## 2289	Bypass Coronary Artery, Three Arteries from
## 2290	Bypass Coronary Artery, Three Arteries from C
## 2291	Bypass Coronary Artery, Three Arteries from Right In
## 2292	Bypass Coronary Artery, Three Arteries from Left In
## 2293	Bypass Coronary Artery, Three Arteries from Th

[illegible]

## 2348	Bypass Coronary Artery, Four or More Arteries from Left Internal M
## 2349	Bypass Coronary Artery, Four or More Arteries from Thoracic A
## 2350	Bypass Coronary Artery, Four or More Arteries from
## 2351	Bypass Coronary Artery, Four or More Arteries from Coronary Artery with
## 2352	Bypass Coronary Artery, Four or More Arteries from Right Internal Mammary with
## 2353	Bypass Coronary Artery, Four or More Arteries from Left Internal Mammary with
## 2354	Bypass Coronary Artery, Four or More Arteries from Thoracic Artery with
## 2355	Bypass Coronary Artery, Four or More Arteries from Aorta with
## 2356	Bypass Coronary Artery, Four or Mo
## 2357	Bypass Coronary Artery, Four or More Arter
## 2358	Bypass Coronary Artery, Four or More Arter
## 2359	Bypass Coronary Artery, Four or Mo
## 2360	Extirpation of Matter
## 2361	Extirpation of Matter
## 2362	Extirpation of Matter
## 2363	Extirpation of Matter
## 2364	Extirpation of Matter
## 2365	Extirpation of Matter
## 2366	Extirpation of Matter
## 2367	Extirpation of Matter
## 2368	Extirpation of Matter
## 2369	Extirpation of Matter
## 2370	Extirpation of Matter
## 2371	Extirpation of Matter
## 2372	
## 2373	Extirpation of Ma
## 2374	
## 2375	Extirpation of Ma
## 2376	Bypass
## 2377	Bypass
## 2378	Bypass Gallbladder
## 2379	Bypass Gallbladder
## 2380	Bypass Gallbladder
## 2381	Bypass
## 2382	Bypass Gallbladder
## 2383	Bypass Gallbladder
## 2384	
## 2385	
## 2386	
## 2387	
## 2388	
## 2389	
## 2390	
## 2391	
## 2392	Bypass Gallbladder to Duodenum
## 2393	Bypass Gallbladder to Small Intestine
## 2394	Bypass Gallbladder to Right Hepatic Artery
## 2395	Bypass Gallbladder to Left Hepatic Artery
## 2396	Bypass Gallbladder to Caudate Hepatic Artery
## 2397	Bypass Gallbladder to Cystic Artery
## 2398	Bypass Gallbladder to Common Bile Duct
## 2399	Bypass Gallbladder to Small Intestine
## 2400	
## 2401	

## 2402	Bypass G
## 2403	Bypass C
## 2404	Bypass Gal
## 2405	By
## 2406	Bypass
## 2407	Bypas
## 2408	
## 2409	
## 2410	
## 2411	
## 2412	Drainage of C
## 2413	
## 2414	
## 2415	
## 2416	
## 2417	Extirp
## 2418	
## 2419	
## 2420	
## 2421	
## 2422	
## 2423	Insertion of Mor
## 2424	Insertion of I
## 2425	Insertion C
## 2426	
## 2427	
## 2428	
## 2429	
## 2430	
## 2431	
## 2432	
## 2433	Removal of I
## 2434	Removal of Mor
## 2435	Removal of I
## 2436	Removal of Intr
## 2437	Removal C
## 2438	
## 2439	
## 2440	
## 2441	
## 2442	
## 2443	
## 2444	
## 2445	
## 2446	
## 2447	
## 2448	
## 2449	Revision o
## 2450	Revision of I
## 2451	Revision o
## 2452	Revision of In
## 2453	Revision
## 2454	Bypass Stomach to
## 2455	Bypass St

## 2456	Bypass Stomach to Tr
## 2457	
## 2458	Bypass Stomach to Transverse Colon w
## 2459	Bypass Stomach to Transverse
## 2460	Bypass Stomach to Transverse Colon with
## 2461	By
## 2462	Bypass Small In
## 2463	Bypass Small Intestine t
## 2464	Bypass Small Intestine to
## 2465	Bypass Small Intestine to
## 2466	Bypass Small Intestine
## 2467	Bypass
## 2468	Bypass Small Inte
## 2469	Bypass Small Inter
## 2470	Bypass Small Inter
## 2471	Bypass Small In
## 2472	Bypass Small Inter
## 2473	Bypass Small Intestine to A
## 2474	Bypass Small Intestine to Tr
## 2475	Bypass Small Intestine to Des
## 2476	Bypass Small Intestine to
## 2477	
## 2478	
## 2479	
## 2480	
## 2481	
## 2482	Bypass Small Intestine to Cecum w
## 2483	Bypass Small Intestine to Ascending Colon w
## 2484	Bypass Small Intestine to Transverse Colon w
## 2485	Bypass Small Intestine to Descending Colon w
## 2486	Bypass Small Intestine to Sigmoid Colon w
## 2487	Bypass Small Intestine to
## 2488	Bypass Small Intestine to Ascending
## 2489	Bypass Small Intestine to Transverse
## 2490	Bypass Small Intestine to Descending
## 2491	Bypass Small Intestine to Sigmoid
## 2492	Bypass Small Intestine to Cecum with
## 2493	Bypass Small Intestine to Ascending Colon with
## 2494	Bypass Small Intestine to Transverse Colon with
## 2495	Bypass Small Intestine to Descending Colon with
## 2496	Bypass Small Intestine to Sigmoid Colon with
## 2497	
## 2498	Bypass Sm
## 2499	Bypass Sma
## 2500	Bypass Sma
## 2501	Bypass S
## 2502	Bypass Duodenum to
## 2503	Bypass Duo
## 2504	Bypass Duodenum to Tr
## 2505	
## 2506	Bypass Duodenum to Transverse Colon w
## 2507	Bypass Duodenum to Transverse
## 2508	Bypass Duodenum to Transverse Colon with
## 2509	Byp

## 2510	Bypass
## 2511	Bypass Jejunum to
## 2512	Bypass Jejunum to
## 2513	Bypass Jejunum to
## 2514	Bypass Jejunum
## 2515	
## 2516	Bypass J
## 2517	Bypass Je
## 2518	Bypass Je
## 2519	Bypass
## 2520	Bypass Je
## 2521	Bypass Jejunum to A
## 2522	Bypass Jejunum to Tr
## 2523	Bypass Jejunum to De
## 2524	Bypass Jejunum to
## 2525	
## 2526	
## 2527	
## 2528	
## 2529	
## 2530	Bypass Jejunum to Cecum w
## 2531	Bypass Jejunum to Ascending Colon w
## 2532	Bypass Jejunum to Transverse Colon w
## 2533	Bypass Jejunum to Descending Colon w
## 2534	Bypass Jejunum to Sigmoid Colon w
## 2535	Bypass Jejunum to
## 2536	Bypass Jejunum to Ascending
## 2537	Bypass Jejunum to Transverse
## 2538	Bypass Jejunum to Descending
## 2539	Bypass Jejunum to Sigmoid
## 2540	Bypass Jejunum to Cecum with
## 2541	Bypass Jejunum to Ascending Colon with
## 2542	Bypass Jejunum to Transverse Colon with
## 2543	Bypass Jejunum to Descending Colon with
## 2544	Bypass Jejunum to Sigmoid Colon with
## 2545	
## 2546	B
## 2547	By
## 2548	By
## 2549	
## 2550	Bypa
## 2551	Bypass Ileum to
## 2552	Bypass Ileum to
## 2553	Bypass Ileum to
## 2554	Bypass Ileum
## 2555	
## 2556	Bypass
## 2557	Bypass
## 2558	Bypass
## 2559	Bypa
## 2560	Bypass
## 2561	Bypass Ileum to A
## 2562	Bypass Ileum to Tr
## 2563	Bypass Ileum to De

## 2564	Bypass Ileum to
## 2565	
## 2566	
## 2567	
## 2568	
## 2569	
## 2570	Bypass Ileum to Cecum w
## 2571	Bypass Ileum to Ascending Colon w
## 2572	Bypass Ileum to Transverse Colon w
## 2573	Bypass Ileum to Descending Colon w
## 2574	Bypass Ileum to Sigmoid Colon w
## 2575	Bypass Ileum to
## 2576	Bypass Ileum to Ascending
## 2577	Bypass Ileum to Transverse
## 2578	Bypass Ileum to Descending
## 2579	Bypass Ileum to Sigmoid
## 2580	Bypass Ileum to Cecum with
## 2581	Bypass Ileum to Ascending Colon with
## 2582	Bypass Ileum to Transverse Colon with
## 2583	Bypass Ileum to Descending Colon with
## 2584	Bypass Ileum to Sigmoid Colon with
## 2585	
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## 2590	Bypass Large Intes
## 2591	Bypass Large Intestine to
## 2592	Bypass Lar
## 2593	Bypass Large Inte
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## 2598	Bypass Large Intestine to Cutaneous w
## 2599	Bypass Large Intestine to Large Intestine w
## 2600	Bypass Large Intestine to Cut
## 2601	Bypass Large Intestine to Large Inte
## 2602	Bypass Large Intestine to Cutaneous with
## 2603	Bypass Large Intestine to Large Intestine with
## 2604	Byp
## 2605	Bypass La
## 2606	Bypass C
## 2607	Bypa
## 2608	Bypass Cecum to
## 2609	Bypass Cecum to
## 2610	Bypass Cecum to
## 2611	Bypass Cecum
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## 2614	Bypass
## 2615	Bypass C
## 2616	Bypass C
## 2617	Bypa

## 2618	Bypass Cecum
## 2619	Bypass C
## 2620	Bypass Cecum to A
## 2621	Bypass Cecum to Tr
## 2622	Bypass Cecum to De
## 2623	Bypass Cecum to
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## 2630	Bypass Cecum to Cutaneous w
## 2631	Bypass Cecum to Cecum w
## 2632	Bypass Cecum to Ascending Colon w
## 2633	Bypass Cecum to Transverse Colon w
## 2634	Bypass Cecum to Descending Colon w
## 2635	Bypass Cecum to Sigmoid Colon w
## 2636	Bypass Cecum to Cut
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## 2638	Bypass Cecum to Ascending
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## 2642	Bypass Cecum to Cutaneous with
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## 2647	Bypass Cecum to Sigmoid Colon with
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## 2656	Bypass Ascending Colon to
## 2657	Bypass Ascending Colon to
## 2658	Bypass Ascending Colon
## 2659	Bypass Asce
## 2660	Bypass Ascending
## 2661	Bypass Ascending C
## 2662	Bypass Ascending C
## 2663	Bypass Ascending
## 2664	Bypass Ascending Colon
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## 2667	Bypass Ascending Colon to De
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## 2675	Bypass Ascending Colon to Ascending Colon w
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## 2678	Bypass Ascending Colon to Sigmoid Colon w
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## 2685	Bypass Ascending Colon to Ascending Colon with
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## 2694	Bypass Transverse Co
## 2695	Bypass Transverse Colon to
## 2696	Bypass Transverse Colon to
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## 2698	Bypass Tran
## 2699	Bypass Transverse C
## 2700	Bypass Transverse C
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## 3273	Release Pons, Percutaneous
## 3274	
## 3275	
## 3276	Release Cerebellum, Percutaneous
## 3277	
## 3278	
## 3279	Release Medulla Oblongata, Percutaneous
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## 3287	Removal of Monitoring Device from Brain, Percutaneous
## 3288	Removal of Infusion Device from Brain, Percutaneous
## 3289	Removal of Autologous Tissue Substitute from Brain, Percutaneous
## 3290	Removal of Synthetic Substitute from Brain, Percutaneous
## 3291	Removal of Nonautologous Tissue Substitute from Brain, Percutaneous
## 3292	Removal of Neurostimulator Lead from Brain, Percutaneous
## 3293	Removal of Other Device from Brain, Percutaneous
## 3294	Removal of Drainage Device from Brain, Percutaneous
## 3295	Removal of Monitoring Device from Brain, Percutaneous
## 3296	Removal of Infusion Device from Brain, Percutaneous
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## 3304	Removal of Infusion Device from Cerebral Ventricle, Percutaneous
## 3305	Removal of Neurostimulator Lead from Cerebral Ventricle, Percutaneous
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## 3307	Removal of Drainage Device from Cerebral Ventricle, Percutaneous
## 3308	Removal of Monitoring Device from Cerebral Ventricle, Percutaneous
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## 3310	Removal of Neurostimulator Lead from Cerebral Ventricle, Percutaneous
## 3311	Removal of Other Device from Cerebral Ventricle, Percutaneous
## 3312	Removal of Drainage Device from Cerebral Ventricle, Percutaneous
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## 3316	Removal of Other Device from Cerebral Ventricle, Percutaneous
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## 3327	Repair Dura Mater, Percutaneous
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## 3330	Repair Cerebral Ventricle, Percutaneous
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## 3354	Replacement of Cerebral Meninges with
## 3355	Replacement of Cerebral Meninges with
## 3356	Replacement of Cerebral Meninges with
## 3357	Replacement of Cerebral Meninges with
## 3358	Replacement of Cerebral Meninges with
## 3359	Replacement of Cerebral Meninges with
## 3360	Replacement of Cerebral Meninges with
## 3361	Replacement of Cerebral Meninges with
## 3362	Replacement of Dura Mater with
## 3363	Replacement of Dura Mater with
## 3364	Replacement of Dura Mater with
## 3365	Replacement of Dura Mater with
## 3366	Replacement of Cerebral Ventricle with
## 3367	Replacement of Cerebral Ventricle with
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## 3375		Supplement Cerebral Meninges with Synthetic Substitute, Percutaneous
## 3376		Supplement Cerebral Meninges with Nonautologous Tissue Substitute, Percutaneous
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## 3381		Supplement Cerebral Meninges with Synthetic Substitute, Percutaneous
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## 3540	Destruction of Intracranial Vein, Percutaneous
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## 3665	Removal of Infusion Device from Cranial Cavity, Percutaneous
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## 3709	Fusion of Occipital-cervical Joint with Interbody
## 3710	Fusion of Occipital-cervical Joint with Interbody
## 3711	Fusion of Occipital-cervical Joint with Synth
## 3712	Fusion of Occipital-cervical Joint with Synthet.
## 3713	Fusion of Occipital-cervical Joint with Synthe
## 3714	Fusion of Occipital-cervical Joint with Nonautologous Ti
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## 3731	Fusion of Cervical Vertebral Joint with Interbody
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## 3736	Fusion of Cervical Vertebral Joint with Nonautologous Ti
## 3737	Fusion of Cervical Vertebral Joint with Nonautologous Tiss
## 3738	Fusion of Cervical Vertebral Joint with Nonautologous Tis
## 3739	Fusion of Cervical Vertebral Joint with Autologous Tissue Substitute, An
## 3740	Fusion of Cervical Vertebral Joint with Autologous Tissue Substitute, Post
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## 3742	Fusion of Cervical Vertebral Joint with Interbody Fusion Device, An
## 3743	Fusion of Cervical Vertebral Joint with Interbody Fusion Device, Pos
## 3744	Fusion of Cervical Vertebral Joint with Synthetic Substitute, An
## 3745	Fusion of Cervical Vertebral Joint with Synthetic Substitute, Post
## 3746	Fusion of Cervical Vertebral Joint with Synthetic Substitute, Pos
## 3747	Fusion of Cervical Vertebral Joint with Nonautologous Tissue Substitute, An
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## 3749	Fusion of Cervical Vertebral Joint with Nonautologous Tissue Substitute, Pos
## 3750	Fusion of 2 or more Cervical Vertebral Joints with Autologous Ti
## 3751	Fusion of 2 or more Cervical Vertebral Joints with Autologous Tiss

[illegible]

## 3806	Fusion of Thoracic Vertebral Joint with Autologous Tissue Substitute, Post
## 3807	Fusion of Thoracic Vertebral Joint with Autologous Tissue Substitute, Post
## 3808	Fusion of Thoracic Vertebral Joint with Interbody Fusion Device, An
## 3809	Fusion of Thoracic Vertebral Joint with Interbody Fusion Device, Post
## 3810	Fusion of Thoracic Vertebral Joint with Synthetic Substitute, An
## 3811	Fusion of Thoracic Vertebral Joint with Synthetic Substitute, Post
## 3812	Fusion of Thoracic Vertebral Joint with Synthetic Substitute, Post
## 3813	Fusion of Thoracic Vertebral Joint with Nonautologous Tissue Substitute, An
## 3814	Fusion of Thoracic Vertebral Joint with Nonautologous Tissue Substitute, Post
## 3815	Fusion of Thoracic Vertebral Joint with Nonautologous Tissue Substitute, Post
## 3816	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tis
## 3817	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissu
## 3818	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tiss
## 3819	Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody
## 3820	Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody
## 3821	Fusion of 2 to 7 Thoracic Vertebral Joints with Synth
## 3822	Fusion of 2 to 7 Thoracic Vertebral Joints with Synthet
## 3823	Fusion of 2 to 7 Thoracic Vertebral Joints with Synthet
## 3824	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Ti
## 3825	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissu
## 3826	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tiss
## 3827	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, An
## 3828	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Post
## 3829	Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Post
## 3830	Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, An
## 3831	Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Post
## 3832	Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, An
## 3833	Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Post
## 3834	Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Post
## 3835	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, An
## 3836	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Post
## 3837	Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Post
## 3838	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tis
## 3839	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tissu
## 3840	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tiss
## 3841	Fusion of 8 or more Thoracic Vertebral Joints with Interbody
## 3842	Fusion of 8 or more Thoracic Vertebral Joints with Interbody
## 3843	Fusion of 8 or more Thoracic Vertebral Joints with Synth
## 3844	Fusion of 8 or more Thoracic Vertebral Joints with Synthet
## 3845	Fusion of 8 or more Thoracic Vertebral Joints with Synthet
## 3846	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Ti
## 3847	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Tissu
## 3848	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Tiss
## 3849	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tissue Substitute, An
## 3850	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tissue Substitute, Post
## 3851	Fusion of 8 or more Thoracic Vertebral Joints with Autologous Tissue Substitute, Post
## 3852	Fusion of 8 or more Thoracic Vertebral Joints with Interbody Fusion Device, An
## 3853	Fusion of 8 or more Thoracic Vertebral Joints with Interbody Fusion Device, Post
## 3854	Fusion of 8 or more Thoracic Vertebral Joints with Synthetic Substitute, An
## 3855	Fusion of 8 or more Thoracic Vertebral Joints with Synthetic Substitute, Post
## 3856	Fusion of 8 or more Thoracic Vertebral Joints with Synthetic Substitute, Post
## 3857	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Tissue Substitute, An
## 3858	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Post
## 3859	Fusion of 8 or more Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Post

3860 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue
 ## 3861 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue
 ## 3862 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue
 ## 3863 Fusion of Thoracolumbar Vertebral Joint with Interbody Fusion Device
 ## 3864 Fusion of Thoracolumbar Vertebral Joint with Interbody Fusion Device
 ## 3865 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute
 ## 3866 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute
 ## 3867 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute
 ## 3868 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue
 ## 3869 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue
 ## 3870 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue
 ## 3871 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue Substitute, Anterior
 ## 3872 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue Substitute, Posterior
 ## 3873 Fusion of Thoracolumbar Vertebral Joint with Autologous Tissue Substitute, Posterior
 ## 3874 Fusion of Thoracolumbar Vertebral Joint with Interbody Fusion Device, Anterior
 ## 3875 Fusion of Thoracolumbar Vertebral Joint with Interbody Fusion Device, Posterior
 ## 3876 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute, Anterior
 ## 3877 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute, Posterior
 ## 3878 Fusion of Thoracolumbar Vertebral Joint with Synthetic Substitute, Posterior
 ## 3879 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue Substitute, Anterior
 ## 3880 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue Substitute, Posterior
 ## 3881 Fusion of Thoracolumbar Vertebral Joint with Nonautologous Tissue Substitute, Posterior
 ## 3882 Fusion of Lumbar Vertebral Joint with Autologous Tissue
 ## 3883 Fusion of Lumbar Vertebral Joint with Autologous Tissue
 ## 3884 Fusion of Lumbar Vertebral Joint with Autologous Tissue
 ## 3885 Fusion of Lumbar Vertebral Joint with Interbody Fusion Device
 ## 3886 Fusion of Lumbar Vertebral Joint with Interbody Fusion Device
 ## 3887 Fusion of Lumbar Vertebral Joint with Synthetic Substitute
 ## 3888 Fusion of Lumbar Vertebral Joint with Synthetic Substitute
 ## 3889 Fusion of Lumbar Vertebral Joint with Synthetic Substitute
 ## 3890 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue
 ## 3891 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue
 ## 3892 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue
 ## 3893 Fusion of Lumbar Vertebral Joint with Autologous Tissue Substitute, Anterior
 ## 3894 Fusion of Lumbar Vertebral Joint with Autologous Tissue Substitute, Posterior
 ## 3895 Fusion of Lumbar Vertebral Joint with Autologous Tissue Substitute, Posterior
 ## 3896 Fusion of Lumbar Vertebral Joint with Interbody Fusion Device, Anterior
 ## 3897 Fusion of Lumbar Vertebral Joint with Interbody Fusion Device, Posterior
 ## 3898 Fusion of Lumbar Vertebral Joint with Synthetic Substitute, Anterior
 ## 3899 Fusion of Lumbar Vertebral Joint with Synthetic Substitute, Posterior
 ## 3900 Fusion of Lumbar Vertebral Joint with Synthetic Substitute, Posterior
 ## 3901 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue Substitute, Anterior
 ## 3902 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue Substitute, Posterior
 ## 3903 Fusion of Lumbar Vertebral Joint with Nonautologous Tissue Substitute, Posterior
 ## 3904 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue
 ## 3905 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue
 ## 3906 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue
 ## 3907 Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device
 ## 3908 Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device
 ## 3909 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute
 ## 3910 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute
 ## 3911 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute
 ## 3912 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue
 ## 3913 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue

3914 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tis
 ## 3915 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, An
 ## 3916 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Post
 ## 3917 Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Pos
 ## 3918 Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, An
 ## 3919 Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Pos
 ## 3920 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, An
 ## 3921 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Post
 ## 3922 Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Pos
 ## 3923 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, An
 ## 3924 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Post
 ## 3925 Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Pos
 ## 3926 Fusion of Lumbosacral Joint with Autologous Ti
 ## 3927 Fusion of Lumbosacral Joint with Autologous Tissu
 ## 3928 Fusion of Lumbosacral Joint with Autologous Tis
 ## 3929 Fusion of Lumbosacral Joint with Interbody
 ## 3930 Fusion of Lumbosacral Joint with Interbody
 ## 3931 Fusion of Lumbosacral Joint with Synth
 ## 3932 Fusion of Lumbosacral Joint with Synthet
 ## 3933 Fusion of Lumbosacral Joint with Synthe
 ## 3934 Fusion of Lumbosacral Joint with Nonautologous Ti
 ## 3935 Fusion of Lumbosacral Joint with Nonautologous Tissu
 ## 3936 Fusion of Lumbosacral Joint with Nonautologous Tis
 ## 3937 Fusion of Lumbosacral Joint with Autologous Tissue Substitute, An
 ## 3938 Fusion of Lumbosacral Joint with Autologous Tissue Substitute, Post
 ## 3939 Fusion of Lumbosacral Joint with Autologous Tissue Substitute, Pos
 ## 3940 Fusion of Lumbosacral Joint with Interbody Fusion Device, An
 ## 3941 Fusion of Lumbosacral Joint with Interbody Fusion Device, Pos
 ## 3942 Fusion of Lumbosacral Joint with Synthetic Substitute, An
 ## 3943 Fusion of Lumbosacral Joint with Synthetic Substitute, Post
 ## 3944 Fusion of Lumbosacral Joint with Synthetic Substitute, Pos
 ## 3945 Fusion of Lumbosacral Joint with Nonautologous Tissue Substitute, An
 ## 3946 Fusion of Lumbosacral Joint with Nonautologous Tissue Substitute, Post
 ## 3947 Fusion of Lumbosacral Joint with Nonautologous Tissue Substitute, Pos
 ## 3948 Fusion of R
 ## 3949 Fusion of Right
 ## 3950 Fusion o
 ## 3951 Fusion of Right Sac
 ## 3952 Fusion of Right Sacroiliac Joi
 ## 3953 Fusion of Right Sacroiliac Joint w
 ## 3954 Fusion of Right Sacroiliac
 ## 3955 Fusion of Right Sacroiliac Joint with
 ## 3956 Fusion of L
 ## 3957 Fusion of Left
 ## 3958 Fusion
 ## 3959 Fusion of Left Sac
 ## 3960 Fusion of Left Sacroiliac Joi
 ## 3961 Fusion of Left Sacroiliac Joint w
 ## 3962 Fusion of Left Sacroiliac
 ## 3963 Fusion of Left Sacroiliac Joint with
 ## 3964 Fusion of Cervical Vertebral Joint using Nanotextured Surfa
 ## 3965 Fusion of Cervical Vertebral Joint using Radiolucent Por
 ## 3966 Fusion of 2 or more Cervical Vertebral Joints using Nanotextured Surfa
 ## 3967 Fusion of 2 or more Cervical Vertebral Joints using Radiolucent Por

## 3968	Fusion of Cervicothoracic Vertebral Joint using Nanotextured Surface
## 3969	Fusion of Cervicothoracic Vertebral Joint using Radiolucent Porous
## 3970	Fusion of Thoracic Vertebral Joint using Nanotextured Surface
## 3971	Fusion of Thoracic Vertebral Joint using Radiolucent Porous
## 3972	Fusion of 2 to 7 Thoracic Vertebral Joints using Nanotextured Surface
## 3973	Fusion of 2 to 7 Thoracic Vertebral Joints using Radiolucent Porous
## 3974	Fusion of 8 or more Thoracic Vertebral Joints using Nanotextured Surface
## 3975	Fusion of 8 or more Thoracic Vertebral Joints using Radiolucent Porous
## 3976	Fusion of Thoracolumbar Vertebral Joint using Nanotextured Surface
## 3977	Fusion of Thoracolumbar Vertebral Joint using Radiolucent Porous
## 3978	Fusion of Thoracolumbar Vertebral Joint using Customizable Interbody Fusion
## 3979	Fusion of Thoracolumbar Vertebral Joint using Customizable Interbody Fusion
## 3980	Fusion of Lumbar Vertebral Joint using Nanotextured Surface
## 3981	Fusion of Lumbar Vertebral Joint using Radiolucent Porous
## 3982	Fusion of Lumbar Vertebral Joint using Customizable Interbody Fusion
## 3983	Fusion of Lumbar Vertebral Joint using Customizable Interbody Fusion
## 3984	Fusion of 2 or more Lumbar Vertebral Joints using Nanotextured Surface
## 3985	Fusion of 2 or more Lumbar Vertebral Joints using Radiolucent Porous
## 3986	Fusion of 2 or more Lumbar Vertebral Joint using Customizable Interbody Fusion
## 3987	Fusion of 2 or more Lumbar Vertebral Joint using Customizable Interbody Fusion
## 3988	Fusion of Lumbosacral Joint using Nanotextured Surface
## 3989	Fusion of Lumbosacral Joint using Radiolucent Porous
## 3990	Fusion of Lumbosacral Joint using Customizable Interbody Fusion
## 3991	Fusion of Lumbosacral Joint using Customizable Interbody Fusion
## 3992	Repositioning of Right Humeral Head
## 3993	Repositioning of Right Humeral Head
## 3994	Repositioning of Right Humeral Head
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## 4001	Repositioning of Left Humeral Head
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## 4011	Repositioning of Right Humeral Head
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## 4020	Repositioning of Left Humeral Head
## 4021	Repositioning of Left Humeral Head

## 4022	Reposition Right
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## 4057	Reposition Left Upper
## 4058	Reposition Left Up
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## 4064	Reposition Right Femoral
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## 4067	Reposition Right
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## 4071	Reposition Left Femoral
## 4072	Reposition Left Fem
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## 4074	Reposition Left
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## 4076	Reposit
## 4077	Reposit
## 4078	Reposition Right Lower
## 4079	Reposition Right L
## 4080	Reposition R
## 4081	Reposition Righ
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## 4083	Reposi
## 4084	Reposi
## 4085	Reposition Left Lower
## 4086	Reposition Left L
## 4087	Reposition L
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## 4091	R
## 4092	Reposition Right
## 4093	Reposition R
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## 4098	
## 4099	Reposition Left
## 4100	Reposition L
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## 4106	Reposition Right L
## 4107	Reposition Righ
## 4108	Reposit
## 4109	Reposition
## 4110	
## 4111	R
## 4112	R
## 4113	Reposition Left L
## 4114	Reposition L
## 4115	Reposi
## 4116	Repositi
## 4117	
## 4118	Bypass Upper Eso
## 4119	Bypass Up
## 4120	Bypass Upper Esophag
## 4121	
## 4122	Bypass Upper Esophagus to Stomach w
## 4123	Bypass Upper Esophagus to S
## 4124	Bypass Upper Esophagus to Stomach with
## 4125	B
## 4126	Bypass Middle Eso
## 4127	Bypass Mi
## 4128	Bypass Middle Esophag
## 4129	

## 4130	Bypass Middle Esophagus to Stomach w
## 4131	Bypass Middle Esophagus to S
## 4132	Bypass Middle Esophagus to Stomach with
## 4133	By
## 4134	Bypass Lower Eso
## 4135	Bypass L
## 4136	Bypass Lower Esopha
## 4137	
## 4138	Bypass Lower Esophagus to Stomach w
## 4139	Bypass Lower Esophagus to S
## 4140	Bypass Lower Esophagus to Stomach with
## 4141	By
## 4142	Bypass Eso
## 4143	By
## 4144	Bypass Esopha
## 4145	
## 4146	Bypass Esophagus to Stomach w
## 4147	Bypass Esophagus to S
## 4148	Bypass Esophagus to Stomach with
## 4149	
## 4150	
## 4151	
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## 4155	
## 4156	Dilation of S
## 4157	
## 4158	Di
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## 4160	Dilation of Stomach, I
## 4161	
## 4162	Drainag
## 4163	
## 4164	Drainage of Esophagogastr
## 4165	Drain
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## 4172	Drainage of Stomac
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## 4183	Extirpation of Mat

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## 4197	Insertion of
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## 4199	Insertion of
## 4200	Insertion
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## 4202	Insert.
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## 4206	Occlusion of
## 4207	Occlusion of
## 4208	
## 4209	Occ.
## 4210	Occ.
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## 4212	Occlusion of Stomach, I
## 4213	Occlusion of Stomach, I
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## 4220	Re
## 4221	
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## 4224	Remov
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## 4227	
## 4228	Removal
## 4229	Removal of
## 4230	Removal
## 4231	Removal of Autologous
## 4232	Removal of
## 4233	Removal of
## 4234	Removal of S
## 4235	Removal of Nonautologous
## 4236	Removal
## 4237	Removal

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## 4253		Supplement Esophag
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## 4255		Supplement Esophagoga
## 4256		Supplement Esophagogastric Junction w
## 4257		Supplement Esophagogastric Jun
## 4258		Supplement Esophagogastric Junction with
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## 4261		Supp
## 4262		Supplement Stomach w
## 4263		Supplement S
## 4264		Supplement Stomach with
## 4265		Supplement
## 4266		Sup
## 4267		Supplement St
## 4268		Supplement Stomach, Pylorus w
## 4269		Supplement Stomach, P
## 4270		Supplement Stomach, Pylorus with
## 4271		Restriction o
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## 4273		
## 4274		Restriction of Esophagogastric J
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## 4276		Restrict
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## 4280		Restriction of S
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## 4286		Restriction of Stomach, I
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## 4303	Revision of Autolog
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## 4305	Revision of
## 4306	Revision of
## 4307	Revision of Nonautolog
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## 4310	Rev:
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## 4315	Supplement
## 4316	Supplement Abdominal Wall w
## 4317	Supplement Abdomina
## 4318	Supplement Abdominal Wall with
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## 4331	Supplement Right
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## 4333	Supplement Right In
## 4334	Supplement Right Inguinal Region w
## 4335	Supplement Right Inguinal
## 4336	Supplement Right Inguinal Region with
## 4337	Supplement Left
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## 4339	Supplement Left In
## 4340	Supplement Left Inguinal Region w
## 4341	Supplement Left Inguinal
## 4342	Supplement Left Inguinal Region with
## 4343	Supplement Right
## 4344	Supplem
## 4345	Supplement Right

## 4346	Supplement Right Femoral Region w
## 4347	Supplement Right Femoral R
## 4348	Supplement Right Femoral Region with
## 4349	Supplement Le
## 4350	Suppl
## 4351	Supplement Left
## 4352	Supplement Left Femoral Region w
## 4353	Supplement Left Femoral R
## 4354	Supplement Left Femoral Region with
## 4355	Supplement Bilatera
## 4356	Supplement
## 4357	Supplement Bilateral In
## 4358	Supplement Bilateral Inguinal Region w
## 4359	Supplement Bilateral Inguinal R
## 4360	Supplement Bilateral Inguinal Region with
## 4361	Supplement Bilatera
## 4362	Supplement
## 4363	Supplement Bilateral R
## 4364	Supplement Bilateral Femoral Region w
## 4365	Supplement Bilateral Femoral R
## 4366	Supplement Bilateral Femoral Region with
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## 4372	Removal of Synthetic S
## 4373	
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## 4378	Removal of Synthetic
## 4379	Removal of Synthet
## 4380	Removal of Synthe
## 4381	Replacement of Right R
## 4382	Replacement of Right Hip
## 4383	Replacement
## 4384	Replacement of Right Hip Joint with Me
## 4385	Replacement of Right Hip Joint with Meta
## 4386	Replacement of Right Hip Jo
## 4387	Replacement of Right Hip
## 4388	Replacement of Right Hip
## 4389	Replacement o
## 4390	Replacement of Right Hip Joint with Cer
## 4391	Replacement of Right Hip Joint with Ceram
## 4392	Replacement of Right Hip Joint
## 4393	Replacement of Right Hip Joint with Oxidized Zircon
## 4394	Replacement of Right Hip Joint with Oxidized Zircon
## 4395	Replacement of Right Hip Joint with Oxid
## 4396	Replacement of
## 4397	Replacement of Ri
## 4398	Repla
## 4399	Replacement of Right Hip Joint, Acetabular Surfa

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## 4454	Replacement of Left Hip Joint, Femoral Su
## 4455	Replacement of Left Hip Joint
## 4456	Replacement of Left Hip Joint, I
## 4457	Replacement of Left Hip Joint, Fer
## 4458	Replacement of Left H
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## 4461	Supple
## 4462	Supplement Right Hip
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## 4466	Supplement Left Hip
## 4467	Supp
## 4468	Supplement Right
## 4469	Sup
## 4470	Supplement Left
## 4471	
## 4472	
## 4473	Revision of Syntheti
## 4474	
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## 4476	Revision of Synthet.
## 4477	Revision of Synth
## 4478	Revision of Syntl
## 4479	
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## 4484	Re
## 4485	
## 4486	Resection of Uterus, Supracervical, Via Nat
## 4487	Resection of Uterus, Via Nat
## 4488	
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## 4490	Re
## 4491	Removal of Synthetic
## 4492	Rem
## 4493	Removal of Medial Uni
## 4494	Removal of Lateral Uni
## 4495	Removal of Patell
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## 4499	Removal of Synthetic
## 4500	Re
## 4501	Removal of Medial Un
## 4502	Removal of Lateral Un
## 4503	Removal of Patell
## 4504	Removal of Synthetic
## 4505	Removal of Synthet.
## 4506	Removal of Synthet.
## 4507	Removal of Synthe

## 4508	Replacement of Right Knee Joint with Oxidized Zirconium
## 4509	Replacement of Right Knee Joint with Oxidized Zirconium
## 4510	Replacement of Right Knee Joint with Oxidized Zirconium
## 4511	Replacement of Right Knee Joint with Oxidized Zirconium
## 4512	Replacement of Right Knee Joint with Oxidized Zirconium
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## 4535	Replacement of Left Knee Joint with Oxidized Zirconium
## 4536	Replacement of Left Knee Joint with Oxidized Zirconium
## 4537	Replacement of Left Knee Joint with Oxidized Zirconium
## 4538	Replacement of Right Knee Joint, Femoral Component
## 4539	Replacement of Right Knee Joint, Femoral Component
## 4540	Replacement of Right Knee Joint, Femoral Component
## 4541	Replacement of Left Knee Joint, Femoral Component
## 4542	Replacement of Left Knee Joint, Femoral Component
## 4543	Replacement of Left Knee Joint, Femoral Component
## 4544	Replacement of Right Knee Joint, Femoral Component
## 4545	Replacement of Right Knee Joint, Femoral Component
## 4546	Replacement of Right Knee Joint, Femoral Component
## 4547	Replacement of Left Knee Joint, Femoral Component
## 4548	Replacement of Left Knee Joint, Femoral Component
## 4549	Replacement of Left Knee Joint, Femoral Component
## 4550	Supplemental
## 4551	Supplemental
## 4552	Supplemental
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## 4558	Revision of Synthesis
## 4559	Revision of Synthesis
## 4560	Revision of Synthesis
## 4561	Revision of Synthesis

## 4562	Revision of Synthes
## 4563	Revision of Synthes
## 4564	Revision of Synthes
## 4565	Revision of Synthes
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## 4588	Drainage of Spinal
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## 4591	
## 4592	Drainage of Spinal
## 4593	
## 4594	Dr
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## 4596	Drainage of Cervical S
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## 4598	Dr
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## 4600	Drainage of Thoracic S
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## 4604	Drainage of Lumbar S
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## 4615	Extirpation

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## 4619	Extirpation of M
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## 4634	Replacement of
## 4635	Replac
## 4636	Replacement of Sp
## 4637	Replacement of Spinal Meninges w
## 4638	Replacement of Spinal Men
## 4639	Replacement of Spinal Meninges with
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## 4649	Supplement Spinal Meninges w
## 4650	Supplement Spinal Men
## 4651	Supplement Spinal Meninges with
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## 4658	Revision of
## 4659	Revision of M
## 4660	Revision of
## 4661	Revision of Syntl
## 4662	Revision of Neur
## 4663	Revision
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Revision

Drainage

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## 4724	
## 4725	
## 4726	
## 4727	Insertion of I
## 4728	Insert
## 4729	Repla
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## 4731	Replacem
## 4732	Replacement of Trachea w
## 4733	Replacement of T
## 4734	Replacement of Trachea with
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## 4745	Drainage of
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## 4749	Drainag
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## 4753	Drainage of Right
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## 4757	Drainage of Left
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## 4789	Bypass Right Kidney Pelvis to Ri
## 4790	Bypass Right Kidney Pelvis to L
## 4791	Bypass Right Kidney Pelvis
## 4792	Bypass Right Kidney Pelv
## 4793	Bypass Right Kidney
## 4794	Bypass Right Kidney Pelvis
## 4795	Bypass Right Kidney
## 4796	Bypass Right Kidney
## 4797	Bypass Right Kidney Pelvis
## 4798	Bypass Right Kidney Pel
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## 4800	Bypass Right Kidney Pel
## 4801	Bypass Right Kidn
## 4802	Bypass Right Kidn
## 4803	Bypass Righ
## 4804	Bypass Right Kidney
## 4805	Bypass Righ
## 4806	Bypass Right
## 4807	Bypass Right Kidney
## 4808	Bypass Right K
## 4809	Bypass Right Kidney Pelvis to Right
## 4810	Bypass Right Kidney Pelvis to Left
## 4811	Bypass Right Kidney Pelvis to
## 4812	Bypass Right Kidney Pelvis
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## 4829	Bypass Right Kidney Pelvis to Right Kidney Pelvis w
## 4830	Bypass Right Kidney Pelvis to Left Kidney Pelvis w
## 4831	Bypass Right Kidney Pelvis to Right Ureter w

## 4832	Bypass Right Kidney Pelvis to Left Ureter w
## 4833	Bypass Right Kidney Pelvis to Colon w
## 4834	Bypass Right Kidney Pelvis to Colocutaneous w
## 4835	Bypass Right Kidney Pelvis to Ileum w
## 4836	Bypass Right Kidney Pelvis to Bladder w
## 4837	Bypass Right Kidney Pelvis to Ileocutaneous w
## 4838	Bypass Right Kidney Pelvis to Cutaneous w
## 4839	Bypass Right Kidney Pelvis to Right Kidney l
## 4840	Bypass Right Kidney Pelvis to Left Kidney l
## 4841	Bypass Right Kidney Pelvis to Right U
## 4842	Bypass Right Kidney Pelvis to Left U
## 4843	Bypass Right Kidney Pelvis to
## 4844	Bypass Right Kidney Pelvis to Colocuta
## 4845	Bypass Right Kidney Pelvis to
## 4846	Bypass Right Kidney Pelvis to B
## 4847	Bypass Right Kidney Pelvis to Ileocuta
## 4848	Bypass Right Kidney Pelvis to Cuta
## 4849	Bypass Right Kidney Pelvis to Right Kidney Pelvis with
## 4850	Bypass Right Kidney Pelvis to Left Kidney Pelvis with
## 4851	Bypass Right Kidney Pelvis to Right Ureter with
## 4852	Bypass Right Kidney Pelvis to Left Ureter with
## 4853	Bypass Right Kidney Pelvis to Colon with
## 4854	Bypass Right Kidney Pelvis to Colocutaneous with
## 4855	Bypass Right Kidney Pelvis to Ileum with
## 4856	Bypass Right Kidney Pelvis to Bladder with
## 4857	Bypass Right Kidney Pelvis to Ileocutaneous with
## 4858	Bypass Right Kidney Pelvis to Cutaneous with
## 4859	Bypass Right Kidne
## 4860	Bypass Right Kidn
## 4861	Bypass Righ
## 4862	Bypass Ri
## 4863	Byp
## 4864	Bypass Righ
## 4865	Byp
## 4866	Bypass
## 4867	Bypass Righ
## 4868	Bypass l
## 4869	Bypass Left Kidney Pelvis to Ri
## 4870	Bypass Left Kidney Pelvis to L
## 4871	Bypass Left Kidney Pelvis
## 4872	Bypass Left Kidney Pelv
## 4873	Bypass Left Kidney
## 4874	Bypass Left Kidney Pelvis
## 4875	Bypass Left Kidney
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## 4877	Bypass Left Kidney Pelvis
## 4878	Bypass Left Kidney Pel
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## 4880	Bypass Left Kidney Pel
## 4881	Bypass Left Kidne
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## 4888	Bypass Left K
## 4889	Bypass Left Kidney Pelvis to Right
## 4890	Bypass Left Kidney Pelvis to Left
## 4891	Bypass Left Kidney Pelvis to
## 4892	Bypass Left Kidney Pelvis
## 4893	Bypass Left Kidney P
## 4894	Bypass Left Kidney Pelvis to
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## 4898	Bypass Left Kidney Pelvis
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## 4909	Bypass Left Kidney Pelvis to Right Kidney Pelvis w
## 4910	Bypass Left Kidney Pelvis to Left Kidney Pelvis w
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## 4912	Bypass Left Kidney Pelvis to Left Ureter w
## 4913	Bypass Left Kidney Pelvis to Colon w
## 4914	Bypass Left Kidney Pelvis to Colocutaneous w
## 4915	Bypass Left Kidney Pelvis to Ileum w
## 4916	Bypass Left Kidney Pelvis to Bladder w
## 4917	Bypass Left Kidney Pelvis to Ileocutaneous w
## 4918	Bypass Left Kidney Pelvis to Cutaneous w
## 4919	Bypass Left Kidney Pelvis to Right Kidney P
## 4920	Bypass Left Kidney Pelvis to Left Kidney P
## 4921	Bypass Left Kidney Pelvis to Right U
## 4922	Bypass Left Kidney Pelvis to Left U
## 4923	Bypass Left Kidney Pelvis to
## 4924	Bypass Left Kidney Pelvis to Colocuta
## 4925	Bypass Left Kidney Pelvis to
## 4926	Bypass Left Kidney Pelvis to B
## 4927	Bypass Left Kidney Pelvis to Ileocuta
## 4928	Bypass Left Kidney Pelvis to Cuta
## 4929	Bypass Left Kidney Pelvis to Right Kidney Pelvis with
## 4930	Bypass Left Kidney Pelvis to Left Kidney Pelvis with
## 4931	Bypass Left Kidney Pelvis to Right Ureter with
## 4932	Bypass Left Kidney Pelvis to Left Ureter with
## 4933	Bypass Left Kidney Pelvis to Colon with
## 4934	Bypass Left Kidney Pelvis to Colocutaneous with
## 4935	Bypass Left Kidney Pelvis to Ileum with
## 4936	Bypass Left Kidney Pelvis to Bladder with
## 4937	Bypass Left Kidney Pelvis to Ileocutaneous with
## 4938	Bypass Left Kidney Pelvis to Cutaneous with
## 4939	Bypass Left Kidn

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## 4959	Dilation of Right Kidney
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## 4963	Dilation of Left Kidney
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## 4968	Drainage of R
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## 4983	Drainage of Left Ki
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## 4991	Exc
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## 4995	Excision of
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## 5000	
## 5001	
## 5002	Extirpa
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## 5004	Extirpa
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## 5006	Extirpation of
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## 5028	Removal
## 5029	Removal of
## 5030	Removal
## 5031	Removal of Autologous
## 5032	Removal of
## 5033	Removal of
## 5034	Removal of
## 5035	Removal of Nonautologous
## 5036	Remo
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## 5064	Drainage of
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## 5070	Drainage of
## 5071	Dr
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## 5076	Drainage of Bilate
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## 5089	Excision of
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## 5127	Resection of Right Ovary, Via Nat
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## 5133	Resection of Bilateral Ovaries, Via Nat
## 5134	
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## 5145	Ins
## 5146	Insertion of Pa
## 5147	Insertion of Defib
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## 5149	Insertion of Intracard
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## 5154	Insertion of
## 5155	Insertion of Defil

## 5156	Insertion of
## 5157	Insertion of Intracard
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## 5161	In
## 5162	Insertion of
## 5163	Insertion of Def
## 5164	Insertion of
## 5165	Insertion of Intracard
## 5166	
## 5167	In
## 5168	
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## 5170	Insertion of Pac
## 5171	Insertion of Defibril
## 5172	Insertion of C
## 5173	Insertion of Intracardiac
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## 5177	Inse
## 5178	Insertion of Pac
## 5179	Insertion of Defibr
## 5180	Insertion of C
## 5181	Insertion of Intracardiac
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## 5185	Insertion of
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## 5196	Insertion of Pacemaker, Single
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## 5198	Insertion of Pacemaker, Dual
## 5199	Insertion of Cardiac Resynchronization Pacemaker Pulse C
## 5200	Insertion of Defibrillator C
## 5201	Insertion of Cardiac Resynchronization Defibrillator Pulse C
## 5202	Insertion of Contractility Modulation
## 5203	Insertion of Subcutaneous Defibrill
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## 5205	Insertion of Pacemaker, Single C
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## 5210	Insertion of Cardiac Resynchronization Defibrillator Pulse Gen
## 5211	Insertion of Contractility Modulation
## 5212	Insertion of Cardiac Rhythm Related
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## 5214	Removal of Cardiac Rhythm Relat
## 5215	Revision of Subcutaneous Defibri
## 5216	Revision of Cardiac Rhythm Rel
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## 5219	Drainage o
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## 5225	Bypass Pulmonary T
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## 5227	Bypass L
## 5228	Bypass Pulmonary Trunk f
## 5229	Bypass Pulmonary T
## 5230	Bypass Pulmona
## 5231	Bypass Pulmonary Trunk from
## 5232	Bypass Pulmonary Tr
## 5233	Bypass Pulmonary
## 5234	Bypass Pulmonary Trun
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## 5237	Bypass Pulmonary Trunk from Inno
## 5238	Bypass Pulmonary Trunk f
## 5239	Bypass Pulmonary Trunk
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## 5243	Bypass Pulmonary Trunk from Innominat
## 5244	Bypass Pulmonary Trunk from S
## 5245	Bypass Pulmonary Trunk from
## 5246	Bypass Pulmonary Trunk from Innominate Arter
## 5247	Bypass Pulmonary Trunk from Subclavia
## 5248	Bypass Pulmonary Trunk from Carot
## 5249	Bypass Pulmonary Trunk from Innominate Artery
## 5250	Bypass Pulmonary Trunk from Subclavian
## 5251	Bypass Pulmonary Trunk from Carotid
## 5252	Bypass Pulmonary Trunk from Innominate A
## 5253	Bypass Pulmonary Trunk from Subc
## 5254	Bypass Pulmonary Trunk from C
## 5255	Bypass Pulmonary Trunk from Innominate Artery with
## 5256	Bypass Pulmonary Trunk from Subclavian with
## 5257	Bypass Pulmonary Trunk from Carotid with
## 5258	Bypass Pulmonary Trunk from
## 5259	Bypass Pulmonary Trunk
## 5260	Bypass Pulmonary T
## 5261	Bypass Right Pulmonary A
## 5262	Bypass Right Pulm
## 5263	Bypass Right Pu

## 5264	Bypass Right Pulmonary Artery f
## 5265	Bypass Right Pulmonary A
## 5266	Bypass Right Pulmonary
## 5267	Bypass Right Pulmonary Artery from
## 5268	Bypass Right Pulmonary Arto
## 5269	Bypass Right Pulmonary
## 5270	Bypass Right Pulmonary Arte
## 5271	Bypass Right Pulmona
## 5272	Bypass Right Pulm
## 5273	Bypass Right Pulmonary Artery from Inno
## 5274	Bypass Right Pulmonary Artery f
## 5275	Bypass Right Pulmonary Artery
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## 5279	Bypass Right Pulmonary Artery from Innomina
## 5280	Bypass Right Pulmonary Artery from S
## 5281	Bypass Right Pulmonary Artery from
## 5282	Bypass Right Pulmonary Artery from Innominate Arte
## 5283	Bypass Right Pulmonary Artery from Subclavia
## 5284	Bypass Right Pulmonary Artery from Carot
## 5285	Bypass Right Pulmonary Artery from Innominate Artery
## 5286	Bypass Right Pulmonary Artery from Subclavian
## 5287	Bypass Right Pulmonary Artery from Carotid
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## 5290	Bypass Right Pulmonary Artery from C
## 5291	Bypass Right Pulmonary Artery from Innominate Artery with
## 5292	Bypass Right Pulmonary Artery from Subclavian with
## 5293	Bypass Right Pulmonary Artery from Carotid with
## 5294	Bypass Right Pulmonary Artery from
## 5295	Bypass Right Pulmonary Artery
## 5296	Bypass Right Pulmonary Ar
## 5297	Bypass Left Pulmonary A
## 5298	Bypass Left Pulm
## 5299	Bypass Left Pu
## 5300	Bypass Left Pulmonary Artery f
## 5301	Bypass Left Pulmonary A
## 5302	Bypass Left Pulmonary
## 5303	Bypass Left Pulmonary Artery from
## 5304	Bypass Left Pulmonary Arto
## 5305	Bypass Left Pulmonary A
## 5306	Bypass Left Pulmonary Arte
## 5307	Bypass Left Pulmona
## 5308	Bypass Left Pulm
## 5309	Bypass Left Pulmonary Artery from Inno
## 5310	Bypass Left Pulmonary Artery f
## 5311	Bypass Left Pulmonary Artery
## 5312	Bypass Left Pul
## 5313	Bypass L
## 5314	Bypass
## 5315	Bypass Left Pulmonary Artery from Innomina
## 5316	Bypass Left Pulmonary Artery from S
## 5317	Bypass Left Pulmonary Artery from

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## 5372	Bypass Superior Vena Cava to Right Pulmon
## 5373	Bypass Superior Vena Cava to Left Pulmon
## 5374	Bypass Superior Vena Cava to Pulmonary Vein C
## 5375	Bypass Superior Vena Cava to Pulmonary Trun
## 5376	Bypass Superior Vena Cava to Right Pulmonary Arter
## 5377	Bypass Superior Vena Cava to Left Pulmonary Arter
## 5378	Bypass Superior Vena Cava to Right Pulmonary Ve
## 5379	Bypass Superior Vena Cava to Left Pulmonary Ve
## 5380	Bypass Superior Vena Cava to Pulmonary Vein Confluen
## 5381	Bypass Superior Vena Cava to Pulmonary Trunk
## 5382	Bypass Superior Vena Cava to Right Pulmonary Artery
## 5383	Bypass Superior Vena Cava to Left Pulmonary Artery
## 5384	Bypass Superior Vena Cava to Right Pulmonary Vein
## 5385	Bypass Superior Vena Cava to Left Pulmonary Vein
## 5386	Bypass Superior Vena Cava to Pulmonary Vein Confluence
## 5387	Bypass Superior Vena Cava to Pulmonary
## 5388	Bypass Superior Vena Cava to Right Pulmonary A
## 5389	Bypass Superior Vena Cava to Left Pulmonary A
## 5390	Bypass Superior Vena Cava to Right Pulmonary
## 5391	Bypass Superior Vena Cava to Left Pulmonary
## 5392	Bypass Superior Vena Cava to Pulmonary Vein Conf
## 5393	Bypass Superior Vena Cava to Pulmonary Trunk with
## 5394	Bypass Superior Vena Cava to Right Pulmonary Artery with
## 5395	Bypass Superior Vena Cava to Left Pulmonary Artery with
## 5396	Bypass Superior Vena Cava to Right Pulmonary Vein with
## 5397	Bypass Superior Vena Cava to Left Pulmonary Vein with
## 5398	Bypass Superior Vena Cava to Pulmonary Vein Confluence with
## 5399	Bypass Super
## 5400	Bypass Superior Vena
## 5401	Bypass Superior Ven
## 5402	Bypass Superior V
## 5403	Bypass Superior V
## 5404	Bypass Superior Vena C
## 5405	Bypass Thoracic Aorta, Des
## 5406	Bypass Thoracic Aor
## 5407	Bypass Thoracic A
## 5408	Bypass Thoracic Aorta, Des
## 5409	Bypass Thoracic Aorta, D
## 5410	Bypass Thoracic Aorta, D
## 5411	Bypass Thoracic Aorta, D
## 5412	Bypass Thoracic Aorta, Descending
## 5413	Bypass Thoracic Aorta, Descend
## 5414	Bypass Thoracic Aorta, Descending
## 5415	Bypass Thoracic Aorta, Descending
## 5416	Bypass Thoracic Aorta, Des
## 5417	Bypass Thoracic Aorta, I
## 5418	Bypass Thoracic Aorta, Descending
## 5419	Bypass Thoracic Aorta, Descending
## 5420	Bypass Thoracic Aorta, Descending
## 5421	Bypass Thoracic Aorta, Descending
## 5422	Bypass Thoracic Aorta, Descending to R
## 5423	Bypass Thoracic Aorta, Descending to I
## 5424	Bypass Thoracic Aorta, Descending to L
## 5425	Bypass Thoracic Aorta, Descending to

## 5426	Bypass Thoracic Aorta, Descen
## 5427	Bypass Thoracic Aorta, De
## 5428	Bypass Thoracic Aorta, Descending
## 5429	Bypass Thoracic Aorta, Descending
## 5430	Bypass Thoracic Aorta, Descending
## 5431	Bypass Thoracic Aorta, Descending
## 5432	Bypass Thoracic Aorta, Descending to Right
## 5433	Bypass Thoracic Aorta, Descending to Le
## 5434	Bypass Thoracic Aorta, Descending to Low
## 5435	Bypass Thoracic Aorta, Descen
## 5436	Bypass Thoracic Aorta,
## 5437	Bypass Thoracic Aor
## 5438	Bypass Thoracic Aorta, Descen
## 5439	Bypass Thoracic Aorta, Desc
## 5440	Bypass Thoracic Aorta, Desc
## 5441	Bypass Thoracic Aorta, Desc
## 5442	Bypass Thoracic Aorta, Descending
## 5443	Bypass Thoracic Aorta, Descending
## 5444	Bypass Thoracic Aorta, Descending
## 5445	Bypass Thoracic Aorta, Descending to Inn
## 5446	Bypass Thoracic Aorta, Descending
## 5447	Bypass Thoracic Aorta, Descend
## 5448	Bypass Thoracic Aorta, Descending to Ab
## 5449	Bypass Thoracic Aorta, Descending to A
## 5450	Bypass Thoracic Aorta, Descending to B
## 5451	Bypass Thoracic Aorta, Descending to P
## 5452	Bypass Thoracic Aorta, Descending to Right Pul
## 5453	Bypass Thoracic Aorta, Descending to Left Pul
## 5454	Bypass Thoracic Aorta, Descending to Lower Ex
## 5455	Byp
## 5456	
## 5457	
## 5458	B
## 5459	Bypass Th
## 5460	Bypass
## 5461	Bypass Thoracic Aorta, Descending to Innominat
## 5462	Bypass Thoracic Aorta, Descending to S
## 5463	Bypass Thoracic Aorta, Descending to
## 5464	Bypass Thoracic Aorta, Descending to Pulmona
## 5465	Bypass Thoracic Aorta, Descending to Right Pulmona
## 5466	Bypass Thoracic Aorta, Descending to Left Pulmona
## 5467	Bypass Thoracic Aorta, Descending to Innominate Arter
## 5468	Bypass Thoracic Aorta, Descending to Subclavia
## 5469	Bypass Thoracic Aorta, Descending to Carot
## 5470	Bypass Thoracic Aorta, Descending to Pulmonary Trun
## 5471	Bypass Thoracic Aorta, Descending to Right Pulmonary Arter
## 5472	Bypass Thoracic Aorta, Descending to Left Pulmonary Arter
## 5473	Bypass Thoracic Aorta, Descending to Innominate Artery
## 5474	Bypass Thoracic Aorta, Descending to Subclavian
## 5475	Bypass Thoracic Aorta, Descending to Carotid
## 5476	Bypass Thoracic Aorta, Descending to Pulmonary Trunk
## 5477	Bypass Thoracic Aorta, Descending to Right Pulmonary Artery
## 5478	Bypass Thoracic Aorta, Descending to Left Pulmonary Artery
## 5479	Bypass Thoracic Aorta, Descending to Innominate

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5534 Bypass Thoracic Aorta, Ascending/Arch to S
 ## 5535 Bypass Thoracic Aorta, Ascending/Arch to
 ## 5536 Bypass Thoracic Aorta, Ascending/Arch to Pulmona
 ## 5537 Bypass Thoracic Aorta, Ascending/Arch to Right Pulmona
 ## 5538 Bypass Thoracic Aorta, Ascending/Arch to Left Pulmona
 ## 5539 Bypass Thoracic Aorta, Ascending/Arch to Innominate Arte
 ## 5540 Bypass Thoracic Aorta, Ascending/Arch to Subclavia
 ## 5541 Bypass Thoracic Aorta, Ascending/Arch to Carot
 ## 5542 Bypass Thoracic Aorta, Ascending/Arch to Pulmonary Trun
 ## 5543 Bypass Thoracic Aorta, Ascending/Arch to Right Pulmonary Arte
 ## 5544 Bypass Thoracic Aorta, Ascending/Arch to Left Pulmonary Arte
 ## 5545 Bypass Thoracic Aorta, Ascending/Arch to Innominate Artery
 ## 5546 Bypass Thoracic Aorta, Ascending/Arch to Subclavian
 ## 5547 Bypass Thoracic Aorta, Ascending/Arch to Carotid
 ## 5548 Bypass Thoracic Aorta, Ascending/Arch to Pulmonary Trunk
 ## 5549 Bypass Thoracic Aorta, Ascending/Arch to Right Pulmonary Artery
 ## 5550 Bypass Thoracic Aorta, Ascending/Arch to Left Pulmonary Artery
 ## 5551 Bypass Thoracic Aorta, Ascending/Arch to Innominate A
 ## 5552 Bypass Thoracic Aorta, Ascending/Arch to Subcl
 ## 5553 Bypass Thoracic Aorta, Ascending/Arch to C
 ## 5554 Bypass Thoracic Aorta, Ascending/Arch to Pulmonary
 ## 5555 Bypass Thoracic Aorta, Ascending/Arch to Right Pulmonary A
 ## 5556 Bypass Thoracic Aorta, Ascending/Arch to Left Pulmonary A
 ## 5557 Bypass Thoracic Aorta, Ascending/Arch to Innominate Artery with
 ## 5558 Bypass Thoracic Aorta, Ascending/Arch to Subclavian with
 ## 5559 Bypass Thoracic Aorta, Ascending/Arch to Carotid with
 ## 5560 Bypass Thoracic Aorta, Ascending/Arch to Pulmonary Trunk with
 ## 5561 Bypass Thoracic Aorta, Ascending/Arch to Right Pulmonary Artery with
 ## 5562 Bypass Thoracic Aorta, Ascending/Arch to Left Pulmonary Artery with
 ## 5563 Bypass Thoracic Aorta, Asc
 ## 5564 Bypass Thoracic Aor
 ## 5565 Bypass Thoracic A
 ## 5566 Bypass Thoracic Aorta, A
 ## 5567 Bypass Thoracic Aorta, Ascending
 ## 5568 Bypass Thoracic Aorta, Ascending
 ## 5569 Bypass Innominate Artery to R
 ## 5570 Bypass Innominate Artery to L
 ## 5571 Bypass Innominate Artery to Bilate
 ## 5572 Bypass Innominate Artery to R
 ## 5573 Bypass Innominate Artery to L
 ## 5574 Bypass Innominate Artery to Bilate
 ## 5575 Bypass Innominate Artery to R
 ## 5576 Bypass Innominate Artery to L
 ## 5577 Bypass Innominate Artery to Bilate
 ## 5578 Bypass Innominate Artery to R
 ## 5579 Bypass Innominate Artery to L
 ## 5580 Bypass Innominate Artery to Bilate
 ## 5581 Bypass Innominate Artery to Right
 ## 5582 Bypass Innominate Artery to Left
 ## 5583 Bypass Innominate Artery to Right
 ## 5584 Bypass Innominate Artery to Left
 ## 5585 Bypass Innominate Artery to Bilateral
 ## 5586 Bypass Innominate Artery to Right
 ## 5587 Bypass Innominate Artery to Left

## 5588	Bypass Innominate Artery to Bilateral
## 5589	Bypass Innominate Artery to Right
## 5590	Bypass Innominate Artery to Left
## 5591	Bypass Innominate Artery to Bilateral
## 5592	Bypass Innominate Artery to Right
## 5593	Bypass Innominate Artery to Left
## 5594	Bypass Innominate Artery to Bilateral
## 5595	Bypass Innominate Artery to Right
## 5596	Bypass Innominate Artery to Left
## 5597	Bypass Innominate Artery to
## 5598	Bypass Innominate Artery to
## 5599	Bypass Innominate Artery to Bilateral
## 5600	Bypass Innominate Artery to
## 5601	Bypass Innominate Artery to
## 5602	Bypass Innominate Artery to Bilateral
## 5603	Bypass Innominate Artery to
## 5604	Bypass Innominate Artery to
## 5605	Bypass Innominate Artery to Bilateral
## 5606	Bypass Innominate Artery to
## 5607	Bypass Innominate Artery to
## 5608	Bypass Innominate Artery to Bilateral
## 5609	Bypass Innominate Artery to
## 5610	Bypass Innominate Artery to
## 5611	Bypass Innominate Artery to Right Upper
## 5612	Bypass Innominate Artery to Left Upper
## 5613	Bypass Innominate Artery to Bilateral Upper
## 5614	Bypass Innominate Artery to Right Lower
## 5615	Bypass Innominate Artery to Left Lower
## 5616	Bypass Innominate Artery to Bilateral Lower
## 5617	Bypass Innominate Artery to Right Upper
## 5618	Bypass Innominate Artery to Left Upper
## 5619	Bypass Innominate Artery to Bilateral Upper
## 5620	Bypass Innominate Artery to Right Lower
## 5621	Bypass Innominate Artery to Left Lower
## 5622	Bypass Innominate Artery to Bilateral Lower
## 5623	Bypass Innominate Artery to Right Extra
## 5624	Bypass Innominate Artery to Left Extra
## 5625	
## 5626	
## 5627	Bypass
## 5628	
## 5629	
## 5630	Bypass
## 5631	
## 5632	
## 5633	Bypass
## 5634	
## 5635	
## 5636	Bypass
## 5637	Bypass
## 5638	Bypass
## 5639	Bypass Right Subclavian Artery to Right
## 5640	Bypass Right Subclavian Artery to Left
## 5641	Bypass Right Subclavian Artery to Bilateral

## 5642	Bypass Right Subclavian Artery to R
## 5643	Bypass Right Subclavian Artery to L
## 5644	Bypass Right Subclavian Artery to Bilateral
## 5645	Bypass Right Subclavian Artery to R
## 5646	Bypass Right Subclavian Artery to L
## 5647	Bypass Right Subclavian Artery to Bilateral
## 5648	Bypass Right Subclavian Artery to R
## 5649	Bypass Right Subclavian Artery to L
## 5650	Bypass Right Subclavian Artery to Bilateral
## 5651	Bypass Right Subclavian Artery to Right
## 5652	Bypass Right Subclavian Artery to Left
## 5653	Bypass Right Subclavian Artery to R
## 5654	Bypass Right Subclavian Artery to L
## 5655	Bypass Right Subclavian Artery to Right
## 5656	Bypass Right Subclavian Artery to Left
## 5657	Bypass Right Subclavian Artery to Bilateral
## 5658	Bypass Right Subclavian Artery to Right
## 5659	Bypass Right Subclavian Artery to Left
## 5660	Bypass Right Subclavian Artery to Bilateral
## 5661	Bypass Right Subclavian Artery to Right
## 5662	Bypass Right Subclavian Artery to Left
## 5663	Bypass Right Subclavian Artery to Bilateral
## 5664	Bypass Right Subclavian Artery to Right
## 5665	Bypass Right Subclavian Artery to Left
## 5666	Bypass Right Subclavian Artery to Bilateral
## 5667	Bypass Right Subclavian Artery to Right
## 5668	Bypass Right Subclavian Artery to Left
## 5669	Bypass Right Subclavian Artery to Right
## 5670	Bypass Right Subclavian Artery to Left
## 5671	Bypass Right Subclavian Artery
## 5672	Bypass Right Subclavian Artery
## 5673	Bypass Right Subclavian Artery to B
## 5674	Bypass Right Subclavian Artery
## 5675	Bypass Right Subclavian Artery
## 5676	Bypass Right Subclavian Artery to B
## 5677	Bypass Right Subclavian Artery
## 5678	Bypass Right Subclavian Artery
## 5679	Bypass Right Subclavian Artery to B
## 5680	Bypass Right Subclavian Artery
## 5681	Bypass Right Subclavian Artery
## 5682	Bypass Right Subclavian Artery to B
## 5683	Bypass Right Subclavian Artery to L
## 5684	Bypass Right Subclavian Artery to
## 5685	Bypass Right Subclavian Artery
## 5686	Bypass Right Subclavian Artery
## 5687	Bypass Right Subclavian Artery to Right Up
## 5688	Bypass Right Subclavian Artery to Left Up
## 5689	Bypass Right Subclavian Artery to Bilateral Up
## 5690	Bypass Right Subclavian Artery to Right Low
## 5691	Bypass Right Subclavian Artery to Left Low
## 5692	Bypass Right Subclavian Artery to Bilateral Low
## 5693	Bypass Right Subclavian Artery to Right Up
## 5694	Bypass Right Subclavian Artery to Left Up
## 5695	Bypass Right Subclavian Artery to Bilateral Up

## 5696	Bypass Right Subclavian Artery to Right Lov
## 5697	Bypass Right Subclavian Artery to Left Lov
## 5698	Bypass Right Subclavian Artery to Bilateral Lov
## 5699	Bypass Right Subclavian Artery to Right Extra
## 5700	Bypass Right Subclavian Artery to Left Extra
## 5701	Bypass Right Subclavian Artery to Right Pu
## 5702	Bypass Right Subclavian Artery to Left Pu
## 5703	Bypass
## 5704	Bypa
## 5705	Bypass Ri
## 5706	Bypass
## 5707	Bypa
## 5708	Bypass Ri
## 5709	Bypass
## 5710	Bypa
## 5711	Bypass Ri
## 5712	Bypass
## 5713	Bypa
## 5714	Bypass Ri
## 5715	Bypass R
## 5716	Bypass I
## 5717	Bypass
## 5718	Bypa
## 5719	Bypass Left Subclavian Artery to R
## 5720	Bypass Left Subclavian Artery to I
## 5721	Bypass Left Subclavian Artery to Bilato
## 5722	Bypass Left Subclavian Artery to R
## 5723	Bypass Left Subclavian Artery to I
## 5724	Bypass Left Subclavian Artery to Bilato
## 5725	Bypass Left Subclavian Artery to R
## 5726	Bypass Left Subclavian Artery to I
## 5727	Bypass Left Subclavian Artery to Bilato
## 5728	Bypass Left Subclavian Artery to R
## 5729	Bypass Left Subclavian Artery to I
## 5730	Bypass Left Subclavian Artery to Bilato
## 5731	Bypass Left Subclavian Artery to Right
## 5732	Bypass Left Subclavian Artery to Left
## 5733	Bypass Left Subclavian Artery to R
## 5734	Bypass Left Subclavian Artery to I
## 5735	Bypass Left Subclavian Artery to Right
## 5736	Bypass Left Subclavian Artery to Le
## 5737	Bypass Left Subclavian Artery to Bilater
## 5738	Bypass Left Subclavian Artery to Right
## 5739	Bypass Left Subclavian Artery to Le
## 5740	Bypass Left Subclavian Artery to Bilater
## 5741	Bypass Left Subclavian Artery to Right
## 5742	Bypass Left Subclavian Artery to Le
## 5743	Bypass Left Subclavian Artery to Bilater
## 5744	Bypass Left Subclavian Artery to Right
## 5745	Bypass Left Subclavian Artery to Le
## 5746	Bypass Left Subclavian Artery to Bilater
## 5747	Bypass Left Subclavian Artery to Right
## 5748	Bypass Left Subclavian Artery to Left
## 5749	Bypass Left Subclavian Artery to Right

## 5750	Bypass Left Subclavian Artery to Le
## 5751	Bypass Left Subclavian Artery
## 5752	Bypass Left Subclavian Artery
## 5753	Bypass Left Subclavian Artery to B
## 5754	Bypass Left Subclavian Artery
## 5755	Bypass Left Subclavian Artery
## 5756	Bypass Left Subclavian Artery to B
## 5757	Bypass Left Subclavian Artery
## 5758	Bypass Left Subclavian Artery
## 5759	Bypass Left Subclavian Artery to B
## 5760	Bypass Left Subclavian Artery
## 5761	Bypass Left Subclavian Artery
## 5762	Bypass Left Subclavian Artery to B
## 5763	Bypass Left Subclavian Artery to L
## 5764	Bypass Left Subclavian Artery to
## 5765	Bypass Left Subclavian Artery
## 5766	Bypass Left Subclavian Artery
## 5767	Bypass Left Subclavian Artery to Right Up
## 5768	Bypass Left Subclavian Artery to Left Up
## 5769	Bypass Left Subclavian Artery to Bilateral Up
## 5770	Bypass Left Subclavian Artery to Right Lo
## 5771	Bypass Left Subclavian Artery to Left Lo
## 5772	Bypass Left Subclavian Artery to Bilateral Lo
## 5773	Bypass Left Subclavian Artery to Right Up
## 5774	Bypass Left Subclavian Artery to Left Up
## 5775	Bypass Left Subclavian Artery to Bilateral Up
## 5776	Bypass Left Subclavian Artery to Right Lo
## 5777	Bypass Left Subclavian Artery to Left Lo
## 5778	Bypass Left Subclavian Artery to Bilateral Lo
## 5779	Bypass Left Subclavian Artery to Right Extra
## 5780	Bypass Left Subclavian Artery to Left Extra
## 5781	Bypass Left Subclavian Artery to Right Pul
## 5782	Bypass Left Subclavian Artery to Left Pul
## 5783	Bypa
## 5784	Bypa
## 5785	Bypass L
## 5786	Bypa
## 5787	Bypa
## 5788	Bypass L
## 5789	Bypa
## 5790	Bypa
## 5791	Bypass L
## 5792	Bypa
## 5793	Bypa
## 5794	Bypass L
## 5795	Bypass L
## 5796	Bypass
## 5797	Bypa
## 5798	Bypa
## 5799	Bypass Right Axillary Artery to R
## 5800	Bypass Right Axillary Artery to L
## 5801	Bypass Right Axillary Artery to Bilate
## 5802	Bypass Right Axillary Artery to R
## 5803	Bypass Right Axillary Artery to L

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## 5858	Bypass Right Axillary Artery to Bilateral Lower Extremities
## 5859	Bypass Right Axillary Artery to Right External Iliac Artery
## 5860	Bypass Right Axillary Artery to Left External Iliac Artery
## 5861	Bypass Right Axillary Artery to Abdominal Aorta
## 5862	Bypass Right Axillary Artery to Superior Mesenteric Artery
## 5863	Bypass Right Axillary Artery to Inferior Mesenteric Artery
## 5864	Bypass Right Axillary Artery to Splenic Artery
## 5865	Bypass Right Axillary Artery to Celiac Trunk
## 5866	Bypass Right Axillary Artery to Common Carotid Artery
## 5867	Bypass Right Axillary Artery to Internal Carotid Artery
## 5868	Bypass Right Axillary Artery to Vertebral Artery
## 5869	Bypass Right Axillary Artery to Basilar Artery
## 5870	Bypass Right Axillary Artery to Anterior Cerebral Artery
## 5871	Bypass Right Axillary Artery to Middle Cerebral Artery
## 5872	Bypass Right Axillary Artery to Posterior Cerebral Artery
## 5873	Bypass Right Axillary Artery to Anterior Choroidal Artery
## 5874	Bypass Right Axillary Artery to Posterior Choroidal Artery
## 5875	Bypass Right Axillary Artery to Ophthalmic Artery
## 5876	Bypass Right Axillary Artery to Maxillary Artery
## 5877	Bypass Right Axillary Artery to Mandibular Artery
## 5878	Bypass Right Axillary Artery to Sublingual Artery
## 5879	Bypass Left Axillary Artery to Right External Iliac Artery
## 5880	Bypass Left Axillary Artery to Left External Iliac Artery
## 5881	Bypass Left Axillary Artery to Bilateral External Iliac Arteries
## 5882	Bypass Left Axillary Artery to Right Internal Iliac Artery
## 5883	Bypass Left Axillary Artery to Left Internal Iliac Artery
## 5884	Bypass Left Axillary Artery to Bilateral Internal Iliac Arteries
## 5885	Bypass Left Axillary Artery to Right Common Iliac Artery
## 5886	Bypass Left Axillary Artery to Left Common Iliac Artery
## 5887	Bypass Left Axillary Artery to Bilateral Common Iliac Arteries
## 5888	Bypass Left Axillary Artery to Right Common Femoral Artery
## 5889	Bypass Left Axillary Artery to Left Common Femoral Artery
## 5890	Bypass Left Axillary Artery to Bilateral Common Femoral Arteries
## 5891	Bypass Left Axillary Artery to Right Superficial Femoral Artery
## 5892	Bypass Left Axillary Artery to Left Superficial Femoral Artery
## 5893	Bypass Left Axillary Artery to Bilateral Superficial Femoral Arteries
## 5894	Bypass Left Axillary Artery to Right Profunda Femoris Artery
## 5895	Bypass Left Axillary Artery to Left Profunda Femoris Artery
## 5896	Bypass Left Axillary Artery to Bilateral Profunda Femoris Arteries
## 5897	Bypass Left Axillary Artery to Right Peroneal Artery
## 5898	Bypass Left Axillary Artery to Left Peroneal Artery
## 5899	Bypass Left Axillary Artery to Bilateral Peroneal Arteries
## 5900	Bypass Left Axillary Artery to Right Tibial Artery
## 5901	Bypass Left Axillary Artery to Left Tibial Artery
## 5902	Bypass Left Axillary Artery to Bilateral Tibial Arteries
## 5903	Bypass Left Axillary Artery to Right Dorsalis Pedis Artery
## 5904	Bypass Left Axillary Artery to Left Dorsalis Pedis Artery
## 5905	Bypass Left Axillary Artery to Bilateral Dorsalis Pedis Arteries
## 5906	Bypass Left Axillary Artery to Right Plantar Artery
## 5907	Bypass Left Axillary Artery to Left Plantar Artery
## 5908	Bypass Left Axillary Artery to Bilateral Plantar Arteries
## 5909	Bypass Left Axillary Artery to Right Digital Artery
## 5910	Bypass Left Axillary Artery to Left Digital Artery
## 5911	Bypass Left Axillary Artery to Bilateral Digital Arteries

## 5912	Bypass Left Axillary Artery
## 5913	Bypass Left Axillary Artery to B
## 5914	Bypass Left Axillary Artery
## 5915	Bypass Left Axillary Artery
## 5916	Bypass Left Axillary Artery to B
## 5917	Bypass Left Axillary Artery
## 5918	Bypass Left Axillary Artery
## 5919	Bypass Left Axillary Artery to B
## 5920	Bypass Left Axillary Artery
## 5921	Bypass Left Axillary Artery
## 5922	Bypass Left Axillary Artery to B
## 5923	Bypass Left Axillary Artery to B
## 5924	Bypass Left Axillary Artery to
## 5925	Bypass Left Axillary A
## 5926	Bypass Left Axillary Artery to Right Up
## 5927	Bypass Left Axillary Artery to Left Up
## 5928	Bypass Left Axillary Artery to Bilateral Up
## 5929	Bypass Left Axillary Artery to Right Low
## 5930	Bypass Left Axillary Artery to Left Low
## 5931	Bypass Left Axillary Artery to Bilateral Low
## 5932	Bypass Left Axillary Artery to Right Up
## 5933	Bypass Left Axillary Artery to Left Up
## 5934	Bypass Left Axillary Artery to Bilateral Up
## 5935	Bypass Left Axillary Artery to Right Low
## 5936	Bypass Left Axillary Artery to Left Low
## 5937	Bypass Left Axillary Artery to Bilateral Low
## 5938	Bypass Left Axillary Artery to Right Extra
## 5939	Bypass Left Axillary Artery to Left Extra
## 5940	Bypass Left Axillary Artery to Ab
## 5941	By
## 5942	B
## 5943	Bypass
## 5944	By
## 5945	B
## 5946	Bypass
## 5947	By
## 5948	B
## 5949	Bypass
## 5950	By
## 5951	B
## 5952	Bypass
## 5953	Bypass
## 5954	Bypass
## 5955	
## 5956	Bypass Right Brachial Artery to R
## 5957	Bypass Right Brachial Artery to R
## 5958	Bypass Right Brachial Artery to Right
## 5959	Bypass Right Brachial Artery
## 5960	Bypass Right Brachial Artery
## 5961	Bypass Right Brachial Artery to Right Up
## 5962	Bypass Right Brachial Artery to Right Low
## 5963	By
## 5964	By
## 5965	Bypass Left Brachial Artery to L

## 5966	Bypass Left Brachial Artery to L
## 5967	Bypass Left Brachial Artery to Le
## 5968	Bypass Left Brachial Artery to Le
## 5969	Bypass Left Brachial Artery
## 5970	Bypass Left Brachial Artery
## 5971	Bypass Left Brachial Artery to Left Up
## 5972	Bypass Left Brachial Artery to Left Lo
## 5973	By
## 5974	By
## 5975	Bypass Right Ulnar Artery to R
## 5976	Bypass Right Ulnar Artery to Right
## 5977	Bypass Right Ulnar Artery
## 5978	Bypass Right Ulnar Artery to Right Lo
## 5979	I
## 5980	Bypass Left Ulnar Artery to L
## 5981	Bypass Left Ulnar Artery to Le
## 5982	Bypass Left Ulnar Artery
## 5983	Bypass Left Ulnar Artery to Left Lo
## 5984	
## 5985	Bypass Right Radial Artery to R
## 5986	Bypass Right Radial Artery to Right
## 5987	Bypass Right Radial Artery
## 5988	Bypass Right Radial Artery to Right Lo
## 5989	By
## 5990	Bypass Left Radial Artery to L
## 5991	Bypass Left Radial Artery to Le
## 5992	Bypass Left Radial Artery
## 5993	Bypass Left Radial Artery to Left Lo
## 5994	
## 5995	Bypass Right Common Carotid Artery to
## 5996	Bypass Right Common Carotid Artery to Right
## 5997	Bypass Right Common Carotid Artery to Left
## 5998	Bypass Right Common Carotid A
## 5999	Bypass Right Common Carotid Artery to
## 6000	Bypass Right Common Carotid Artery to Right
## 6001	Bypass Right Common Carotid Artery to Left
## 6002	Bypass Right Common Carotid Arter
## 6003	Bypass Right Common Carotid Arter
## 6004	Bypass Right Common Carotid Artery to
## 6005	Bypass Right Common Carotid Artery to
## 6006	Bypass Right Common Carotid
## 6007	Bypass Right Common Carotid Artery to Intra
## 6008	Bypass Right Common Carotid Artery to Right Extra
## 6009	Bypass Right Common Carotid Artery to Left Extra
## 6010	Bypass Right Common Carotid Artery to
## 6011	Bypass
## 6012	Bypass Right
## 6013	Bypass Right
## 6014	
## 6015	Bypass Left Common Carotid Artery to
## 6016	Bypass Left Common Carotid Artery to Right
## 6017	Bypass Left Common Carotid Artery to Left
## 6018	Bypass Left Common Carotid A
## 6019	Bypass Left Common Carotid Artery to

## 6020	Bypass Left Common Carotid Artery to Right I
## 6021	Bypass Left Common Carotid Artery to Left I
## 6022	Bypass Left Common Carotid Arter
## 6023	Bypass Left Common Carotid Arter
## 6024	Bypass Left Common Carotid Artery to I
## 6025	Bypass Left Common Carotid Artery to
## 6026	Bypass Left Common Carot
## 6027	Bypass Left Common Carotid Artery to Intra
## 6028	Bypass Left Common Carotid Artery to Right Extra
## 6029	Bypass Left Common Carotid Artery to Left Extra
## 6030	Bypass Left Common Carotid Artery to
## 6031	Bypass
## 6032	Bypass Left
## 6033	Bypass Left
## 6034	
## 6035	Bypass Right Internal Carotid Artery to Right
## 6036	Bypass Right Internal Carotid Artery to Left
## 6037	Bypass Right Internal Carotid Artery to Right I
## 6038	Bypass Right Internal Carotid Artery to Left I
## 6039	Bypass Right Internal Carotid Artery to I
## 6040	Bypass Right Internal Carotid Artery to
## 6041	Bypass Right Internal Carotid Artery to Right Extra
## 6042	Bypass Right Internal Carotid Artery to Left Extra
## 6043	Bypass Right In
## 6044	Bypass Right I
## 6045	Bypass Left Internal Carotid Artery to Right
## 6046	Bypass Left Internal Carotid Artery to Left
## 6047	Bypass Left Internal Carotid Artery to Right I
## 6048	Bypass Left Internal Carotid Artery to Left I
## 6049	Bypass Left Internal Carotid Artery to I
## 6050	Bypass Left Internal Carotid Artery to
## 6051	Bypass Left Internal Carotid Artery to Right Extra
## 6052	Bypass Left Internal Carotid Artery to Left Extra
## 6053	Bypass Left In
## 6054	Bypass Left I
## 6055	Bypass Right External Carotid Artery to Right
## 6056	Bypass Right External Carotid Artery to Left
## 6057	Bypass Right External Carotid Artery to Right I
## 6058	Bypass Right External Carotid Artery to Left I
## 6059	Bypass Right External Carotid Artery to I
## 6060	Bypass Right External Carotid Artery to
## 6061	Bypass Right External Carotid Artery to Right Extra
## 6062	Bypass Right External Carotid Artery to Left Extra
## 6063	Bypass Right E
## 6064	Bypass Right I
## 6065	Bypass Left External Carotid Artery to Right
## 6066	Bypass Left External Carotid Artery to Left
## 6067	Bypass Left External Carotid Artery to Right I
## 6068	Bypass Left External Carotid Artery to Left I
## 6069	Bypass Left External Carotid Artery to I
## 6070	Bypass Left External Carotid Artery to
## 6071	Bypass Left External Carotid Artery to Right Extra
## 6072	Bypass Left External Carotid Artery to Left Extra
## 6073	Bypass Left E

## 6074		Bypass Left I
## 6075		Bypass Right Common Iliac Artery to
## 6076		Bypass Right Common Iliac Artery to
## 6077		Bypass Right Common Iliac Artery to Bilat
## 6078		Bypass Right Common Iliac Artery to L
## 6079		Bypass Right Common Iliac A
## 6080	Bypass Left Internal Iliac Artery to Right Femoral Artery with	
## 6081	Bypass Left Internal Iliac Artery to Left Femoral Artery with	
## 6082	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with	
## 6083	Bypass Left Internal Iliac Artery to Lower Extremity Artery with	
## 6084		Bypass Right Femoral Artery to
## 6085		Bypass Right Femoral Artery to
## 6086		Bypass Right Femoral Artery to Bilat
## 6087		Bypass Right Femoral Arter
## 6088		Bypass Right Femoral Arter
## 6089		Bypass Right Femoral Artery to Pos
## 6090		Bypass Right Femoral A
## 6091		Bypass Right Femoral Artery to L
## 6092		Bypass Right Femoral Artery to R
## 6093		Bypass Right Femoral Artery to l
## 6094		Bypass Right Femoral Artery to Bilateral
## 6095		Bypass Right Femoral Artery
## 6096		Bypass Right Femoral Artery
## 6097		Bypass Right Femoral Artery to Post
## 6098		Bypass Right Femoral Ar
## 6099		Bypass Right Femoral Artery to Low
## 6100		Bypass Right Femoral Artery
## 6101		Bypass Right Femoral Arter
## 6102		Bypass Right Femoral Artery to B
## 6103		Bypass Right Femoral A
## 6104		Bypass Right Femoral A
## 6105		Bypass Right Femoral Artery to
## 6106		Bypass Right Femor
## 6107		Bypass Right Femoral Artery
## 6108		Bypass Right Femoral Artery to Right I
## 6109		Bypass Right Femoral Artery to Left I
## 6110		Bypass Right Femoral Artery to Bilateral Fem
## 6111		Bypass Right Femoral Artery to Pop
## 6112		Bypass Right Femoral Artery to P
## 6113		Bypass Right Femoral Artery to Posterior
## 6114		Bypass Right Femoral Artery
## 6115		Bypass Right Femoral Artery to Lower Ex
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## 6118		Bypass
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## 6124	Bypass Right Femoral Artery to Right Femoral Arter	
## 6125	Bypass Right Femoral Artery to Left Femoral Arter	
## 6126	Bypass Right Femoral Artery to Bilateral Femoral Arteric	
## 6127	Bypass Right Femoral Artery to Popliteal Arter	

6128 Bypass Right Femoral Artery to Peroneal Artery
 ## 6129 Bypass Right Femoral Artery to Posterior Tibial Artery
 ## 6130 Bypass Right Femoral Artery to Foot Artery
 ## 6131 Bypass Right Femoral Artery to Lower Extremity Artery
 ## 6132 Bypass Right Femoral Artery to Right Femoral Artery
 ## 6133 Bypass Right Femoral Artery to Left Femoral Artery
 ## 6134 Bypass Right Femoral Artery to Bilateral Femoral Arteries
 ## 6135 Bypass Right Femoral Artery to Popliteal Artery
 ## 6136 Bypass Right Femoral Artery to Peroneal Artery
 ## 6137 Bypass Right Femoral Artery to Posterior Tibial Artery
 ## 6138 Bypass Right Femoral Artery to Foot Artery
 ## 6139 Bypass Right Femoral Artery to Lower Extremity Artery
 ## 6140 Bypass Right Femoral Artery to Right Femoral Artery
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 ## 6142 Bypass Right Femoral Artery to Bilateral Femoral Arteries
 ## 6143 Bypass Right Femoral Artery to Popliteal Artery
 ## 6144 Bypass Right Femoral Artery to Peroneal Artery
 ## 6145 Bypass Right Femoral Artery to Posterior Tibial Artery
 ## 6146 Bypass Right Femoral Artery to Foot Artery
 ## 6147 Bypass Right Femoral Artery to Lower Extremity Artery
 ## 6148 Bypass Right Femoral Artery to Right Femoral Artery with
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 ## 6150 Bypass Right Femoral Artery to Bilateral Femoral Arteries with
 ## 6151 Bypass Right Femoral Artery to Popliteal Artery with
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 ## 6158 Bypass Right Femoral Artery to Bilateral Femoral Arteries
 ## 6159 Bypass Right Femoral Artery to Popliteal Artery
 ## 6160 Bypass Right Femoral Artery to Peroneal Artery
 ## 6161 Bypass Right Femoral Artery to Posterior Tibial Artery
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 ## 6163 Bypass Right Femoral Artery to Lower Extremity Artery
 ## 6164 Bypass Left Femoral Artery to Right Femoral Artery
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 ## 6166 Bypass Left Femoral Artery to Bilateral Femoral Arteries
 ## 6167 Bypass Left Femoral Artery to Popliteal Artery
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 ## 6169 Bypass Left Femoral Artery to Posterior Tibial Artery
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 ## 6177 Bypass Left Femoral Artery to Posterior Tibial Artery
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 ## 6179 Bypass Left Femoral Artery to Lower Extremity Artery
 ## 6180 Bypass Left Femoral Artery to Right Femoral Artery
 ## 6181 Bypass Left Femoral Artery to Left Femoral Artery

## 6182	Bypass Left Femoral Artery to B
## 6183	Bypass Left Femoral A
## 6184	Bypass Left Femoral A
## 6185	Bypass Left Femoral Artery to
## 6186	Bypass Left Femor
## 6187	Bypass Left Femoral Artery
## 6188	Bypass Left Femoral Artery to Right M
## 6189	Bypass Left Femoral Artery to Left M
## 6190	Bypass Left Femoral Artery to Bilateral Fem
## 6191	Bypass Left Femoral Artery to Pop
## 6192	Bypass Left Femoral Artery to P
## 6193	Bypass Left Femoral Artery to Posterior
## 6194	Bypass Left Femoral Artery
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## 6198	Bypass
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## 6200	
## 6201	By
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## 6204	Bypass Left Femoral Artery to Right Femoral Arter
## 6205	Bypass Left Femoral Artery to Left Femoral Arter
## 6206	Bypass Left Femoral Artery to Bilateral Femoral Arteries
## 6207	Bypass Left Femoral Artery to Popliteal Arter
## 6208	Bypass Left Femoral Artery to Peroneal Arter
## 6209	Bypass Left Femoral Artery to Posterior Tibial Arter
## 6210	Bypass Left Femoral Artery to Foot Arter
## 6211	Bypass Left Femoral Artery to Lower Extremity Arter
## 6212	Bypass Left Femoral Artery to Right Femoral Artery
## 6213	Bypass Left Femoral Artery to Left Femoral Artery
## 6214	Bypass Left Femoral Artery to Bilateral Femoral Arteries
## 6215	Bypass Left Femoral Artery to Popliteal Artery
## 6216	Bypass Left Femoral Artery to Peroneal Artery
## 6217	Bypass Left Femoral Artery to Posterior Tibial Artery
## 6218	Bypass Left Femoral Artery to Foot Artery
## 6219	Bypass Left Femoral Artery to Lower Extremity Artery
## 6220	Bypass Left Femoral Artery to Right Femoral
## 6221	Bypass Left Femoral Artery to Left Femoral A
## 6222	Bypass Left Femoral Artery to Bilateral Femoral Ar
## 6223	Bypass Left Femoral Artery to Popliteal A
## 6224	Bypass Left Femoral Artery to Peroneal A
## 6225	Bypass Left Femoral Artery to Posterior Tibial A
## 6226	Bypass Left Femoral Artery to Foot A
## 6227	Bypass Left Femoral Artery to Lower Extremity A
## 6228	Bypass Left Femoral Artery to Right Femoral Artery with
## 6229	Bypass Left Femoral Artery to Left Femoral Artery with
## 6230	Bypass Left Femoral Artery to Bilateral Femoral Arteries with
## 6231	Bypass Left Femoral Artery to Popliteal Artery with
## 6232	Bypass Left Femoral Artery to Peroneal Artery with
## 6233	Bypass Left Femoral Artery to Posterior Tibial Artery with
## 6234	Bypass Left Femoral Artery to Foot Artery with
## 6235	Bypass Left Femoral Artery to Lower Extremity Artery with

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## 6290	Bypass Left Popliteal Artery
## 6291	Bypass Left Popliteal Artery to Lower Extremity Artery
## 6292	Bypass Left Popliteal Artery to Popliteal Artery
## 6293	Bypass Left Popliteal Artery to Peroneal Artery
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## 6303	Bypass Left Popliteal Artery to Popliteal Artery
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## 6323	Bypass Left Popliteal Artery to Lower Extremity Artery with
## 6324	Bypass Right Anterior Tibial Artery to Lower Extremity Artery
## 6325	Bypass Right Anterior Tibial Artery to Lower Extremity Artery
## 6326	Bypass Left Anterior Tibial Artery to Lower Extremity Artery
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## 6330	Bypass Left Posterior Tibial Artery to Lower Extremity Artery
## 6331	Bypass Left Posterior Tibial Artery to Lower Extremity Artery
## 6332	Bypass Right Peroneal Artery to Lower Extremity Artery
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 ## 6372 Bypass Right Foot Artery to Foot Artery
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## 6408	Bypass Left Foot Artery to Foot Artery with
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## 6410	Bypass
## 6411	Bypass Left Foot Artery
## 6412	Bypass Right Axillary Vein
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## 6419	Bypass Right Axillary Vein to Upper Vein with
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## 6430	Bypass Left Axillary Vein to Upper Vein with
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## 6459	Bypass
## 6460	Bypass Right Basilic Ve
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## 6466	Bypass Right Basilic Vein to Upper Vein w
## 6467	Bypass Right Basilic Vein to Upper Ve
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## 6470	Bypass Right Basilic Vein to Upper Vein with
## 6471	Bypass
## 6472	Bypass Left Basilic Ve
## 6473	Bypass Left Basil
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## 6482	Bypass Left Basilic Vein to Upper Vein with
## 6483	Bypass
## 6484	Bypass Right Cephalic Ve
## 6485	Bypass Right Cephal
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## 6487	Bypass Right Cep
## 6488	Bypass Right Cephalic Vein
## 6489	
## 6490	Bypass Right Cephalic Vein to Upper Vein w
## 6491	Bypass Right Cephalic Vein to Upper Ve
## 6492	Bypass Right Cephalic Vein to Upper Vein
## 6493	Bypass Right Cephalic Vein to Uppe
## 6494	Bypass Right Cephalic Vein to Upper Vein with
## 6495	Bypass R
## 6496	Bypass Left Cephalic Ve
## 6497	Bypass Left Cephal
## 6498	Bypass Left Cephalic
## 6499	Bypass Left Cep
## 6500	Bypass Left Cephalic Vein
## 6501	
## 6502	Bypass Left Cephalic Vein to Upper Vein w
## 6503	Bypass Left Cephalic Vein to Upper Ve
## 6504	Bypass Left Cephalic Vein to Upper Vein
## 6505	Bypass Left Cephalic Vein to Uppe

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## 6560	Bypass Left Internal Jugular Vein
## 6561	
## 6562	Bypass Left Internal Jugular Vein to Upper Vein w
## 6563	Bypass Left Internal Jugular Vein to Upper Ve
## 6564	Bypass Left Internal Jugular Vein to Upper Vein
## 6565	Bypass Left Internal Jugular Vein to Uppe
## 6566	Bypass Left Internal Jugular Vein to Upper Vein with
## 6567	Bypass Left Int
## 6568	Bypass Right External Jugular V
## 6569	Bypass Right External Jugul
## 6570	Bypass Right External Jugular
## 6571	Bypass Right External J
## 6572	Bypass Right External Jugular Vein
## 6573	
## 6574	Bypass Right External Jugular Vein to Upper Vein w
## 6575	Bypass Right External Jugular Vein to Upper Ve
## 6576	Bypass Right External Jugular Vein to Upper Vein
## 6577	Bypass Right External Jugular Vein to Uppe
## 6578	Bypass Right External Jugular Vein to Upper Vein with
## 6579	Bypass Right Ext
## 6580	Bypass Left External Jugular V
## 6581	Bypass Left External Jugul
## 6582	Bypass Left External Jugular
## 6583	Bypass Left External J
## 6584	Bypass Left External Jugular Vein
## 6585	
## 6586	Bypass Left External Jugular Vein to Upper Vein w
## 6587	Bypass Left External Jugular Vein to Upper Ve
## 6588	Bypass Left External Jugular Vein to Upper Vein
## 6589	Bypass Left External Jugular Vein to Uppe
## 6590	Bypass Left External Jugular Vein to Upper Vein with
## 6591	Bypass Left Ext
## 6592	Bypass Right Vertebral V
## 6593	Bypass Right Vertebr
## 6594	Bypass Right Vertebral
## 6595	Bypass Right Ver
## 6596	Bypass Right Vertebral Vein
## 6597	
## 6598	Bypass Right Vertebral Vein to Upper Vein w
## 6599	Bypass Right Vertebral Vein to Upper Ve
## 6600	Bypass Right Vertebral Vein to Upper Vein
## 6601	Bypass Right Vertebral Vein to Uppe
## 6602	Bypass Right Vertebral Vein to Upper Vein with
## 6603	Bypass Ri
## 6604	Bypass Left Vertebral V
## 6605	Bypass Left Vertebr
## 6606	Bypass Left Vertebral
## 6607	Bypass Left Ver
## 6608	Bypass Left Vertebral Vein
## 6609	
## 6610	Bypass Left Vertebral Vein to Upper Vein w
## 6611	Bypass Left Vertebral Vein to Upper Ve
## 6612	Bypass Left Vertebral Vein to Upper Vein
## 6613	Bypass Left Vertebral Vein to Uppe

## 6614	Bypass Left Vertebral Vein to Upper Vein with
## 6615	Bypass Left
## 6616	Bypass Right Face Vein
## 6617	Bypass Right Face
## 6618	Bypass Right Face
## 6619	Bypass Right
## 6620	Bypass Right Face Vein
## 6621	
## 6622	Bypass Right Face Vein to Upper Vein w
## 6623	Bypass Right Face Vein to Upper Ve
## 6624	Bypass Right Face Vein to Upper Vein
## 6625	Bypass Right Face Vein to Upper
## 6626	Bypass Right Face Vein to Upper Vein with
## 6627	Bypa
## 6628	Bypass Left Face Ve
## 6629	Bypass Left Fa
## 6630	Bypass Left Face
## 6631	Bypass Left
## 6632	Bypass Left Face Vein
## 6633	
## 6634	Bypass Left Face Vein to Upper Vein w
## 6635	Bypass Left Face Vein to Upper Ve
## 6636	Bypass Left Face Vein to Upper Vein
## 6637	Bypass Left Face Vein to Upper
## 6638	Bypass Left Face Vein to Upper Vein with
## 6639	Bypa
## 6640	Bypass Inferior Vena Cava to
## 6641	Bypass Inferior Vena Cava to Right
## 6642	Bypass Inferior Vena Cava to Left
## 6643	Bypass Inferior Vena Cava
## 6644	Bypass Inferior Vena Cava to R
## 6645	Bypass Inferior Vena Cava to I
## 6646	Bypass Inferior Vena Cava
## 6647	Bypass Inferior Vena Cava to Right
## 6648	Bypass Inferior Vena Cava to Le
## 6649	Bypass Inferior Vena
## 6650	Bypass Inferior Vena Cava
## 6651	Bypass Inferior Vena Cava
## 6652	Bypass Inferior Vena Cava to Pu
## 6653	Bypass Inferior Vena Cava to Right Pul
## 6654	Bypass Inferior Vena Cava to Left Pul
## 6655	
## 6656	
## 6657	
## 6658	Bypass Inferior Vena Cava to Pulmonary Trunk w
## 6659	Bypass Inferior Vena Cava to Right Pulmonary Artery w
## 6660	Bypass Inferior Vena Cava to Left Pulmonary Artery w
## 6661	Bypass Inferior Vena Cava to Pulmonary Trun
## 6662	Bypass Inferior Vena Cava to Right Pulmonary Arter
## 6663	Bypass Inferior Vena Cava to Left Pulmonary Arter
## 6664	Bypass Inferior Vena Cava to Pulmonary Trunk
## 6665	Bypass Inferior Vena Cava to Right Pulmonary Artery
## 6666	Bypass Inferior Vena Cava to Left Pulmonary Artery
## 6667	Bypass Inferior Vena Cava to Pulmonary

## 6668	Bypass Inferior Vena Cava to Right Pulmonary A
## 6669	Bypass Inferior Vena Cava to Left Pulmonary A
## 6670	Bypass Inferior Vena Cava to Pulmonary Trunk with
## 6671	Bypass Inferior Vena Cava to Right Pulmonary Artery with
## 6672	Bypass Inferior Vena Cava to Left Pulmonary Artery with
## 6673	Bypass Infer
## 6674	Bypass Inferior Vena
## 6675	Bypass Inferior Ven
## 6676	Bypass Esophageal Ve
## 6677	Bypass Esophage
## 6678	Bypass Esophageal
## 6679	Bypass Esopl
## 6680	Bypass Esophageal Vein
## 6681	
## 6682	Bypass Esophageal Vein to Lower Vein w
## 6683	Bypass Esophageal Vein to Lower Ve
## 6684	Bypass Esophageal Vein to Lower Vein
## 6685	Bypass Esophageal Vein to Lowe
## 6686	Bypass Esophageal Vein to Lower Vein with
## 6687	Bypa
## 6688	Bypass Portal Vein to Hepatic
## 6689	Bypass Right Common Iliac Ve
## 6690	Bypass Right Common Ili
## 6691	Bypass Right Common Iliac
## 6692	Bypass Right Common
## 6693	Bypass Right Common Iliac Vein
## 6694	
## 6695	Bypass Right Common Iliac Vein to Lower Vein w
## 6696	Bypass Right Common Iliac Vein to Lower Ve
## 6697	Bypass Right Common Iliac Vein to Lower Vein
## 6698	Bypass Right Common Iliac Vein to Lowe
## 6699	Bypass Right Common Iliac Vein to Lower Vein with
## 6700	Bypass Right
## 6701	Bypass Left Common Iliac Ve
## 6702	Bypass Left Common Ili
## 6703	Bypass Left Common Iliac
## 6704	Bypass Left Common
## 6705	Bypass Left Common Iliac Vein
## 6706	
## 6707	Bypass Left Common Iliac Vein to Lower Vein w
## 6708	Bypass Left Common Iliac Vein to Lower Ve
## 6709	Bypass Left Common Iliac Vein to Lower Vein
## 6710	Bypass Left Common Iliac Vein to Lowe
## 6711	Bypass Left Common Iliac Vein to Lower Vein with
## 6712	Bypass Left
## 6713	Bypass Right External Iliac Ve
## 6714	Bypass Right External Ili
## 6715	Bypass Right External Iliac
## 6716	Bypass Right External
## 6717	Bypass Right External Iliac Vein
## 6718	
## 6719	Bypass Right External Iliac Vein to Lower Vein w
## 6720	Bypass Right External Iliac Vein to Lower Ve
## 6721	Bypass Right External Iliac Vein to Lower Vein

## 6722	Bypass Right External Iliac Vein to Lower
## 6723	Bypass Right External Iliac Vein to Lower Vein with
## 6724	Bypass Right E
## 6725	Bypass Left External Iliac V
## 6726	Bypass Left External Ili
## 6727	Bypass Left External Iliac
## 6728	Bypass Left External
## 6729	Bypass Left External Iliac Vein
## 6730	
## 6731	Bypass Left External Iliac Vein to Lower Vein w
## 6732	Bypass Left External Iliac Vein to Lower Ve
## 6733	Bypass Left External Iliac Vein to Lower Vein
## 6734	Bypass Left External Iliac Vein to Lower
## 6735	Bypass Left External Iliac Vein to Lower Vein with
## 6736	Bypass Left E
## 6737	Bypass Right Hypogastric V
## 6738	Bypass Right Hypogastr
## 6739	Bypass Right Hypogastric
## 6740	Bypass Right Hypog
## 6741	Bypass Right Hypogastric Vein
## 6742	
## 6743	Bypass Right Hypogastric Vein to Lower Vein w
## 6744	Bypass Right Hypogastric Vein to Lower Ve
## 6745	Bypass Right Hypogastric Vein to Lower Vein
## 6746	Bypass Right Hypogastric Vein to Lower
## 6747	Bypass Right Hypogastric Vein to Lower Vein with
## 6748	Bypass Righ
## 6749	Bypass Right Femoral V
## 6750	Bypass Right Femor
## 6751	Bypass Right Femoral
## 6752	Bypass Right F
## 6753	Bypass Right Femoral Vein
## 6754	
## 6755	Bypass Right Femoral Vein to Lower Vein w
## 6756	Bypass Right Femoral Vein to Lower Ve
## 6757	Bypass Right Femoral Vein to Lower Vein
## 6758	Bypass Right Femoral Vein to Lower
## 6759	Bypass Right Femoral Vein to Lower Vein with
## 6760	Bypass L
## 6761	Bypass Left Femoral V
## 6762	Bypass Left Femor
## 6763	Bypass Left Femoral
## 6764	Bypass Left F
## 6765	Bypass Left Femoral Vein
## 6766	
## 6767	Bypass Left Femoral Vein to Lower Vein w
## 6768	Bypass Left Femoral Vein to Lower Ve
## 6769	Bypass Left Femoral Vein to Lower Vein
## 6770	Bypass Left Femoral Vein to Lower
## 6771	Bypass Left Femoral Vein to Lower Vein with
## 6772	Bypass
## 6773	Bypass Right Saphenous V
## 6774	Bypass Right Saphen
## 6775	Bypass Right Saphenous

## 6776	Bypass Right Saphenous Vein
## 6777	Bypass Right Saphenous Vein
## 6778	
## 6779	Bypass Right Saphenous Vein to Lower Vein w
## 6780	Bypass Right Saphenous Vein to Lower Vein
## 6781	Bypass Right Saphenous Vein to Lower Vein
## 6782	Bypass Right Saphenous Vein to Lower Vein
## 6783	Bypass Right Saphenous Vein to Lower Vein with
## 6784	Bypass Right Saphenous Vein to Lower Vein with
## 6785	Bypass Left Saphenous Vein to Lower Vein w
## 6786	Bypass Left Saphenous Vein to Lower Vein
## 6787	Bypass Left Saphenous Vein to Lower Vein
## 6788	Bypass Left Saphenous Vein to Lower Vein
## 6789	Bypass Left Saphenous Vein to Lower Vein with
## 6790	
## 6791	Bypass Left Saphenous Vein to Lower Vein w
## 6792	Bypass Left Saphenous Vein to Lower Vein
## 6793	Bypass Left Saphenous Vein to Lower Vein
## 6794	Bypass Left Saphenous Vein to Lower Vein
## 6795	Bypass Left Saphenous Vein to Lower Vein with
## 6796	Bypass Left Saphenous Vein to Lower Vein with
## 6797	Bypass Right Foot Vein to Lower Vein w
## 6798	Bypass Right Foot Vein to Lower Vein
## 6799	Bypass Right Foot Vein to Lower Vein
## 6800	Bypass Right Foot Vein to Lower Vein
## 6801	Bypass Right Foot Vein to Lower Vein with
## 6802	
## 6803	Bypass Right Foot Vein to Lower Vein w
## 6804	Bypass Right Foot Vein to Lower Vein
## 6805	Bypass Right Foot Vein to Lower Vein
## 6806	Bypass Right Foot Vein to Lower Vein
## 6807	Bypass Right Foot Vein to Lower Vein with
## 6808	Bypass Right Foot Vein to Lower Vein with
## 6809	Bypass Left Foot Vein to Lower Vein w
## 6810	Bypass Left Foot Vein to Lower Vein
## 6811	Bypass Left Foot Vein to Lower Vein
## 6812	Bypass Left Foot Vein to Lower Vein
## 6813	Bypass Left Foot Vein to Lower Vein with
## 6814	
## 6815	Bypass Left Foot Vein to Lower Vein w
## 6816	Bypass Left Foot Vein to Lower Vein
## 6817	Bypass Left Foot Vein to Lower Vein
## 6818	Bypass Left Foot Vein to Lower Vein
## 6819	Bypass Left Foot Vein to Lower Vein with
## 6820	Bypass Left Foot Vein to Lower Vein with
## 6821	Bypass Small Intestine to Rectum w
## 6822	Bypass Small Intestine to Rectum
## 6823	Bypass Small Intestine to Rectum
## 6824	Bypass Small Intestine to Rectum
## 6825	Bypass Small Intestine to Rectum
## 6826	Bypass Small Intestine to Rectum
## 6827	
## 6828	
## 6829	Bypass Small Intestine to Rectum w

## 6830	Bypass Small Intestine to Anus w
## 6831	Bypass Small Intestine to l
## 6832	Bypass Small Intestine to
## 6833	Bypass Small Intestine to Rectum with
## 6834	Bypass Small Intestine to Anus with
## 6835	
## 6836	
## 6837	Bypass
## 6838	Bypass
## 6839	
## 6840	
## 6841	Bypass Jeju
## 6842	Bypass J
## 6843	
## 6844	
## 6845	Bypass Jejunum to Rectum w
## 6846	Bypass Jejunum to Anus w
## 6847	Bypass Jejunum to l
## 6848	Bypass Jejunum to
## 6849	Bypass Jejunum to Rectum with
## 6850	Bypass Jejunum to Anus with
## 6851	
## 6852	
## 6853	Bypass
## 6854	Byp
## 6855	
## 6856	
## 6857	Bypass I
## 6858	Bypass
## 6859	
## 6860	
## 6861	Bypass Ileum to Rectum w
## 6862	Bypass Ileum to Anus w
## 6863	Bypass Ileum to l
## 6864	Bypass Ileum to
## 6865	Bypass Ileum to Rectum with
## 6866	Bypass Ileum to Anus with
## 6867	
## 6868	
## 6869	Bypass Large Int
## 6870	Bypass l
## 6871	Bypass Large Intes
## 6872	
## 6873	Bypass Large Intestine to Rectum w
## 6874	Bypass Large Intestine to l
## 6875	Bypass Large Intestine to Rectum with
## 6876	
## 6877	Bypass
## 6878	
## 6879	Bypass C
## 6880	
## 6881	Bypass Cecum to Rectum w
## 6882	Bypass Cecum to l
## 6883	Bypass Cecum to Rectum with

## 6884	
## 6885	Bypass Ascending
## 6886	Bypass A
## 6887	Bypass Ascending C
## 6888	
## 6889	Bypass Ascending Colon to Rectum w
## 6890	Bypass Ascending Colon to R
## 6891	Bypass Ascending Colon to Rectum with
## 6892	
## 6893	Bypass Transverse
## 6894	Bypass T
## 6895	Bypass Transverse C
## 6896	
## 6897	Bypass Transverse Colon to Rectum w
## 6898	Bypass Transverse Colon to R
## 6899	Bypass Transverse Colon to Rectum with
## 6900	
## 6901	Bypass Descending
## 6902	Bypass D
## 6903	Bypass Descending C
## 6904	
## 6905	Bypass Descending Colon to Rectum w
## 6906	Bypass Descending Colon to R
## 6907	Bypass Descending Colon to Rectum with
## 6908	
## 6909	Bypass Sigmoid
## 6910	Bypass
## 6911	Bypass Sigmoid C
## 6912	
## 6913	Bypass Sigmoid Colon to Rectum w
## 6914	Bypass Sigmoid Colon to R
## 6915	Bypass Sigmoid Colon to Rectum with
## 6916	
## 6917	
## 6918	
## 6919	Drainage
## 6920	
## 6921	
## 6922	
## 6923	
## 6924	
## 6925	
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## 6930	
## 6931	
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## 6934	
## 6935	
## 6936	
## 6937	

## 6938	
## 6939	Bypass Upper Esophagus to Duodenum with
## 6940	Bypass Upper Esophagus to Jejunum with
## 6941	Bypass Upper Esophagus to Ileum with
## 6942	Bypass Upper Esophagus to Duodenum with
## 6943	Bypass Upper Esophagus to Jejunum with
## 6944	Bypass Upper Esophagus to Ileum with
## 6945	Bypass Upper Esophagus to Duodenum with
## 6946	Bypass Upper Esophagus to Jejunum with
## 6947	Bypass Upper Esophagus to Ileum with
## 6948	
## 6949	
## 6950	
## 6951	Bypass Upper Esophagus to Duodenum with
## 6952	Bypass Upper Esophagus to Jejunum with
## 6953	Bypass Upper Esophagus to Ileum with
## 6954	Bypass Upper Esophagus to Duodenum with
## 6955	Bypass Upper Esophagus to Jejunum with
## 6956	Bypass Upper Esophagus to Ileum with
## 6957	Bypass Upper Esophagus to Duodenum with
## 6958	Bypass Upper Esophagus to Jejunum with
## 6959	Bypass Upper Esophagus to Ileum with
## 6960	
## 6961	
## 6962	
## 6963	Bypass Middle Esophagus to Duodenum with
## 6964	Bypass Middle Esophagus to Jejunum with
## 6965	Bypass Middle Esophagus to Ileum with
## 6966	Bypass Middle Esophagus to Duodenum with
## 6967	Bypass Middle Esophagus to Jejunum with
## 6968	Bypass Middle Esophagus to Ileum with
## 6969	Bypass Middle Esophagus to Duodenum with
## 6970	Bypass Middle Esophagus to Jejunum with
## 6971	Bypass Middle Esophagus to Ileum with
## 6972	
## 6973	
## 6974	
## 6975	Bypass Middle Esophagus to Duodenum with
## 6976	Bypass Middle Esophagus to Jejunum with
## 6977	Bypass Middle Esophagus to Ileum with
## 6978	Bypass Middle Esophagus to Duodenum with
## 6979	Bypass Middle Esophagus to Jejunum with
## 6980	Bypass Middle Esophagus to Ileum with
## 6981	Bypass Middle Esophagus to Duodenum with
## 6982	Bypass Middle Esophagus to Jejunum with
## 6983	Bypass Middle Esophagus to Ileum with
## 6984	
## 6985	
## 6986	
## 6987	Bypass Lower Esophagus to Duodenum with
## 6988	Bypass Lower Esophagus to Jejunum with
## 6989	Bypass Lower Esophagus to Ileum with
## 6990	
## 6991	

## 6992	Bypass
## 6993	Bypass Lower Esophagus to Duodenum with
## 6994	Bypass Lower Esophagus to Jejunum with
## 6995	Bypass Lower Esophagus to Ileum with
## 6996	Bypass Lower Esophagus to Duodenum with
## 6997	Bypass Lower Esophagus to Jejunum with
## 6998	Bypass Lower Esophagus to Ileum with
## 6999	Bypass Lower Esophagus to Duodenum with
## 7000	Bypass Lower Esophagus to Jejunum with
## 7001	Bypass Lower Esophagus to Ileum with
## 7002	Bypass Lower Esophagus to Duodenum with
## 7003	Bypass Lower Esophagus to Jejunum with
## 7004	Bypass Lower Esophagus to Ileum with
## 7005	Bypass Lower Esophagus to Duodenum with
## 7006	Bypass Lower Esophagus to Jejunum with
## 7007	Bypass Lower Esophagus to Ileum with
## 7008	Bypass Lower Esophagus to Duodenum with
## 7009	Bypass Lower Esophagus to Jejunum with
## 7010	Bypass Lower Esophagus to Ileum with
## 7011	Bypass Esophagus to Duodenum with
## 7012	Bypass Esophagus to Jejunum with
## 7013	Bypass Esophagus to Ileum with
## 7014	Bypass Esophagus to Duodenum with
## 7015	Bypass Esophagus to Jejunum with
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## 7017	Bypass Esophagus to Duodenum with
## 7018	Bypass Esophagus to Jejunum with
## 7019	Bypass Esophagus to Ileum with
## 7020	Bypass Esophagus to Duodenum with
## 7021	Bypass Esophagus to Jejunum with
## 7022	Bypass Esophagus to Ileum with
## 7023	Bypass Esophagus to Duodenum with
## 7024	Bypass Esophagus to Jejunum with
## 7025	Bypass Esophagus to Ileum with
## 7026	Bypass Esophagus to Duodenum with
## 7027	Bypass Esophagus to Jejunum with
## 7028	Bypass Esophagus to Ileum with
## 7029	Bypass Esophagus to Duodenum with
## 7030	Bypass Esophagus to Jejunum with
## 7031	Bypass Esophagus to Ileum with
## 7032	Bypass Esophagus to Duodenum with
## 7033	Bypass Esophagus to Jejunum with
## 7034	Bypass Esophagus to Ileum with
## 7035	Bypass Stomach to Duodenum with
## 7036	Bypass Stomach to Jejunum with
## 7037	Bypass Stomach to Ileum with
## 7038	Bypass Stomach to Duodenum with
## 7039	Bypass Stomach to Jejunum with
## 7040	Bypass Stomach to Ileum with
## 7041	Bypass Stomach to Duodenum with
## 7042	Bypass Stomach to Jejunum with
## 7043	Bypass Stomach to Ileum with
## 7044	Bypass Stomach to Duodenum with
## 7045	Bypass Stomach to Jejunum with

## 7046	
## 7047	Bypass Stomach to Duodenum w
## 7048	Bypass Stomach to Jejunum w
## 7049	Bypass Stomach to Ileum w
## 7050	Bypass Stomach to Du
## 7051	Bypass Stomach to J
## 7052	Bypass Stomach to
## 7053	Bypass Stomach to Duodenum with
## 7054	Bypass Stomach to Jejunum with
## 7055	Bypass Stomach to Ileum with
## 7056	
## 7057	
## 7058	
## 7059	Bypass Small Intes
## 7060	Bypass Small Intestine t
## 7061	Bypass Sma
## 7062	Bypass Small Int
## 7063	Bypass Small Intestine
## 7064	Bypass Small Intestine to S
## 7065	
## 7066	
## 7067	Bypass Small Intestine to Cutaneous w
## 7068	Bypass Small Intestine to Small Intestine w
## 7069	Bypass Small Intestine to Cut
## 7070	Bypass Small Intestine to Small Int
## 7071	Bypass Small Intestine to Cutaneous with
## 7072	Bypass Small Intestine to Small Intestine with
## 7073	Byp
## 7074	Bypass Sma
## 7075	Bypass Duod
## 7076	Bypass Duod
## 7077	Bypass Du
## 7078	Bypass I
## 7079	Byp
## 7080	By
## 7081	B
## 7082	
## 7083	Bypass Duodenum
## 7084	Bypass Duoden
## 7085	Bypass Duoden
## 7086	Bypass Duod
## 7087	
## 7088	
## 7089	
## 7090	
## 7091	Bypass Duodenum to Cutaneous w
## 7092	Bypass Duodenum to Duodenum w
## 7093	Bypass Duodenum to Jejunum w
## 7094	Bypass Duodenum to Ileum w
## 7095	Bypass Duodenum to Cut
## 7096	Bypass Duodenum to Du
## 7097	Bypass Duodenum to J
## 7098	Bypass Duodenum to
## 7099	Bypass Duodenum to Cutaneous with

## 7100	Bypass Duodenum to Duodenum with
## 7101	Bypass Duodenum to Jejunum with
## 7102	Bypass Duodenum to Ileum with
## 7103	
## 7104	
## 7105	
## 7106	
## 7107	Bypass Jejunum to Jejunum with
## 7108	Bypass Jejunum to Jejunum with
## 7109	Bypass Jejunum to Jejunum with
## 7110	Bypass Jejunum to Jejunum with
## 7111	Bypass Jejunum to Jejunum with
## 7112	
## 7113	Bypass Jejunum to Jejunum with
## 7114	Bypass Jejunum to Jejunum with
## 7115	Bypass Jejunum to Jejunum with
## 7116	
## 7117	
## 7118	
## 7119	Bypass Jejunum to Cutaneous with
## 7120	Bypass Jejunum to Jejunum with
## 7121	Bypass Jejunum to Ileum with
## 7122	Bypass Jejunum to Cutaneous with
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## 7723	Removal of Autologous Tissue Subst.
## 7724	Removal of Extraluminal Drainage Device
## 7725	Removal of Intraluminal Drainage Device
## 7726	Removal of Monitoring Device
## 7727	Removal of Infusion Device
## 7728	Removal of Radioactive Element
## 7729	Removal of Synthetic Subst.
## 7730	Removal of Nonautologous Tissue Subst.
## 7731	Removal of Other Device
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## 7733	Removal of Drainage Device
## 7734	Removal of Radioactive Element
## 7735	Removal of Monitoring Device
## 7736	Removal of Infusion Device
## 7737	Removal of Autologous Tissue Subst.
## 7738	Removal of Extraluminal Drainage Device
## 7739	Removal of Intraluminal Drainage Device
## 7740	Removal of Synthetic Subst.
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## 7827	Replacement of Right
## 7828	Replacement of Right Main Bronchus w
## 7829	Replacement of Right Main Br
## 7830	Replacement of Right Main Bronchus with
## 7831	Replacement of Right Up
## 7832	Replacement of R
## 7833	Replacement of Right Upper
## 7834	Replacement of Right Upper Lobe Bronchus w
## 7835	Replacement of Right Upper Lobe Br
## 7836	Replacement of Right Upper Lobe Bronchus with
## 7837	Replacement of Right Mid
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## 7839	Replacement of Right Middle
## 7840	Replacement of Right Middle Lobe Bronchus w
## 7841	Replacement of Right Middle Lobe Br
## 7842	Replacement of Right Middle Lobe Bronchus with
## 7843	Replacement of Right Lo
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## 7846	Replacement of Right Lower Lobe Bronchus w
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## 7852	Replacement of Left Main Bronchus w
## 7853	Replacement of Left Main Br
## 7854	Replacement of Left Main Bronchus with
## 7855	Replacement of Left Up

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## 7857	Replacement of Left Upper
## 7858	Replacement of Left Upper Lobe Bronchus w
## 7859	Replacement of Left Upper Lobe Br
## 7860	Replacement of Left Upper Lobe Bronchus with
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## 7864	Replacement of Lingula Bronchus w
## 7865	Replacement of Lingula Br
## 7866	Replacement of Lingula Bronchus with
## 7867	Replacement of Left Lo
## 7868	Replacement of
## 7869	Replacement of Left Lower
## 7870	Replacement of Left Lower Lobe Bronchus w
## 7871	Replacement of Left Lower Lobe Br
## 7872	Replacement of Left Lower Lobe Bronchus with
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## 7940	Supplement Right Upper
## 7941	Supplement Right Upper Lobe Bronchus w
## 7942	Supplement Right Upper Lobe Br
## 7943	Supplement Right Upper Lobe Bronchus with
## 7944	Supplement Right Mid
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## 7947	Supplement Right Middle Lobe Bronchus w
## 7948	Supplement Right Middle Lobe Br
## 7949	Supplement Right Middle Lobe Bronchus with
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## 7953	Supplement Right Lower Lobe Bronchus w
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## 7955	Supplement Right Lower Lobe Bronchus with
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## 7959	Supplement Left Main Bronchus w
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## 7962	Supplement Left Up
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## 7964	Supplement Left Upper
## 7965	Supplement Left Upper Lobe Bronchus w
## 7966	Supplement Left Upper Lobe Br
## 7967	Supplement Left Upper Lobe Bronchus with
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## 7970	Supplement Lin
## 7971	Supplement Lingula Bronchus w
## 7972	Supplement Lingula Br
## 7973	Supplement Lingula Bronchus with
## 7974	Supplement Left Lo
## 7975	Supplement
## 7976	Supplement Left Lower
## 7977	Supplement Left Lower Lobe Bronchus w
## 7978	Supplement Left Lower Lobe Br
## 7979	Supplement Left Lower Lobe Bronchus with
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## 8004	Restriction of
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## 8038	Revision of Left Upper Lobe B
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## 8059	Revision of Left Upper Lobe B
## 8060	Revision of Left Upper Lobe B
## 8061	Revision of Autologous Blood
## 8062	Revision of Spontaneous Pleural Effusion
## 8063	Revision of Nonautologous Blood
## 8064	Revision of Diaphragm
## 8065	Revision of Diaphragm
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## 8069	Bypass Right Pleural Cavity
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## 8074	Bypass Right Ple
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## 8076	Bypass Right Pleural Cavity to Cuta
## 8077	Bypass Right Pleural Cavity to Right Pleural C
## 8078	Bypass Right Pleural Cavity to Left Pleural C
## 8079	Bypass Right Pleural Cavity to Peritoneal C
## 8080	Bypass Right Pleural Cavity to Pelvic C
## 8081	Bypass Right Pleural Cavity to Upper
## 8082	Bypass Right Pleural Cavity to Lower
## 8083	Bypass Left Ple
## 8084	Bypass Left Pleural Cavity
## 8085	Bypass Left Pleural Cavi
## 8086	Bypass Left Pleural Ca
## 8087	Bypass Left Pleural
## 8088	Bypass Left Ple
## 8089	Bypass Left Ple
## 8090	Bypass Left Pleural Cavity to Cuta
## 8091	Bypass Left Pleural Cavity to Right Pleural C
## 8092	Bypass Left Pleural Cavity to Left Pleural C
## 8093	Bypass Left Pleural Cavity to Peritoneal C
## 8094	Bypass Left Pleural Cavity to Pelvic C
## 8095	Bypass Left Pleural Cavity to Upper
## 8096	Bypass Left Pleural Cavity to Lower
## 8097	
## 8098	
## 8099	Control
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## 8101	Control
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## 8105	Control
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## 8107	Control
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## 8109	
## 8110	Drainage of
## 8111	
## 8112	Dr
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## 8114	Drainage of Right Ple
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## 8118	Drainage of Left Ple
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## 8122	Drainage of
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## 8129	Extirpation of M
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## 8131	Extirpation of
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## 8143	Insertion
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## 8145	Inse
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## 8147	Insertion of Radioactive E
## 8148	Insertion of Infusion M
## 8149	Insert.
## 8150	Ina
## 8151	
## 8152	Insertion of Radioactive M
## 8153	Insertion of Infusion
## 8154	Insertion of Other
## 8155	
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## 8158	Insertion of Radi
## 8159	Insertion of
## 8160	Insertion o
## 8161	Inse
## 8162	
## 8163	
## 8164	Insertion of Radioactive
## 8165	Insertion of Infusi
## 8166	Insertion of Oth
## 8167	
## 8168	Ina
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## 8177	Remov
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## 8179	Removal

## 8180	
## 8181	Removal of
## 8182	Removal of Rad
## 8183	Removal of
## 8184	Removal of Autologous T
## 8185	Removal of Syntl
## 8186	Removal of Nonautologous T
## 8187	Removal
## 8188	Removal
## 8189	
## 8190	Removal of Synthetic Subs
## 8191	Removal of Other
## 8192	Removal
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## 8194	Removal of Synthetic Subs
## 8195	Removal of Other
## 8196	
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## 8198	Removal
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## 8200	Removal
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## 8202	Removal of
## 8203	Removal of Radi
## 8204	Removal of Autologous Ti
## 8205	Removal of Synth
## 8206	Removal of Nonautologous Ti
## 8207	Removal
## 8208	Removal of Radioactive
## 8209	Removal of Infusi
## 8210	Removal of Oth
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## 8223	Rev
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## 8227	Revision
## 8228	Revision of Ra
## 8229	Revision of Autologous
## 8230	Revision of Syn
## 8231	Revision of Nonautologous
## 8232	Revisi
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## 8234	
## 8235	Revision of Synthetic Sul
## 8236	Revision of Other
## 8237	Revis
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## 8243	Revision
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## 8246	Revision of Rac
## 8247	Revision of Autologous T
## 8248	Revision of Syn
## 8249	Revision of Nonautologous T
## 8250	Revision
## 8251	Revision of Radioact
## 8252	Revision of Infus
## 8253	Revision of O
## 8254	
## 8255	Destruct
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## 8257	Destruct
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## 8261	Destruction of L
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## 8263	Destruction of
## 8264	
## 8265	Destruction of L
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## 8273	D
## 8274	Drain
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## 8276	Drainage of Left Thyroid
## 8277	Dra
## 8278	Drainag
## 8279	
## 8280	Drainage of Right Thyroid
## 8281	Drain
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## 8284	Drainage of Th
## 8285	
## 8286	Drainage of Ri
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## 8288	Drainage of Right Superior Parathy
## 8289	Drainage of L
## 8290	Drainage of L
## 8291	
## 8292	Drainage of Left Superior Parathy
## 8293	Drainage of
## 8294	Drainage of Ri
## 8295	
## 8296	Drainage of Right Inferior Parathy
## 8297	Drainage of L
## 8298	Drainage of L
## 8299	
## 8300	Drainage of Left Inferior Parathy
## 8301	Drainage of
## 8302	Drainage of
## 8303	
## 8304	Drainage of Multiple Parathy
## 8305	Drainage
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## 8307	
## 8308	Drainage of Parathy
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## 8310	
## 8311	Exc
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## 8316	Excision of L
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## 8318	Excision of
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## 8328	Extirpation of Mat
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## 8330	Extirpation of Mat
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## 8332	Extirpat
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## 8334	Extirpation of Matter from L
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## 8336	Extirpation of Matter from
## 8337	Extirpat
## 8338	Extirpation of Matter from L
## 8339	Extirpa
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## 8341	Ext

## 8342	Extirpation of Matter
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## 8344	Extirpation of
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## 8350	Reattach
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## 8372	Release
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## 8384	Removal of Dr
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## 8386	Removal of Drainag
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## 8396	Repair
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## 8444	Revision of
## 8445	
## 8446	Revision of Drain
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## 8450	
## 8451	Bypass Cerebral Ventricle to
## 8452	Bypass Cerebral Ventricle to
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## 8480	Bypass Cerebral Ventricle to
## 8481	Bypass Cerebral Ventricle to
## 8482	Bypass Cerebral Ventricle to
## 8483	Bypass Cerebral Ventricle to Nasopharynx with Autologous Tissue Substitute, Percutaneous
## 8484	Bypass Cerebral Ventricle to Mastoid Sinus with Autologous Tissue Substitute, Percutaneous
## 8485	Bypass Cerebral Ventricle to Atrium with Autologous Tissue Substitute, Percutaneous
## 8486	Bypass Cerebral Ventricle to Blood Vessel with Autologous Tissue Substitute, Percutaneous
## 8487	Bypass Cerebral Ventricle to Pleural Cavity with Autologous Tissue Substitute, Percutaneous
## 8488	Bypass Cerebral Ventricle to Intestine with Autologous Tissue Substitute, Percutaneous
## 8489	Bypass Cerebral Ventricle to Peritoneal Cavity with Autologous Tissue Substitute, Percutaneous
## 8490	Bypass Cerebral Ventricle to Urinary Tract with Autologous Tissue Substitute, Percutaneous
## 8491	Bypass Cerebral Ventricle to Bone Marrow with Autologous Tissue Substitute, Percutaneous
## 8492	Bypass Cerebral Ventricle to Subgaleal Space
## 8493	Bypass Cerebral Ventricle to Cerebral Cisterns with Autologous Tissue Substitute, Percutaneous
## 8494	Bypass Cerebral Ventricle to Nasopharynx with Synthetic Substitute, Percutaneous
## 8495	Bypass Cerebral Ventricle to Mastoid Sinus with Synthetic Substitute, Percutaneous
## 8496	Bypass Cerebral Ventricle to Atrium with Synthetic Substitute, Percutaneous
## 8497	Bypass Cerebral Ventricle to Blood Vessel with Synthetic Substitute, Percutaneous
## 8498	Bypass Cerebral Ventricle to Pleural Cavity with Synthetic Substitute, Percutaneous
## 8499	Bypass Cerebral Ventricle to Intestine with Synthetic Substitute, Percutaneous
## 8500	Bypass Cerebral Ventricle to Peritoneal Cavity with Synthetic Substitute, Percutaneous
## 8501	Bypass Cerebral Ventricle to Urinary Tract with Synthetic Substitute, Percutaneous
## 8502	Bypass Cerebral Ventricle to Bone Marrow with Synthetic Substitute, Percutaneous
## 8503	Bypass Cerebral Ventricle to

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## 8644	Removal
## 8645	Removal of Extraluminal Dev
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## 8650	Remov
## 8651	Removal
## 8652	Removal of I
## 8653	Removal of Autologous
## 8654	Removal of S
## 8655	Removal of Nonautologous
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## 8658	Remo
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## 8660	Removal
## 8661	Removal o
## 8662	Removal of Rac
## 8663	Removal of Autologous
## 8664	Removal of Syn
## 8665	Removal of Nonautologous

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## 8668	Removal of
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## 8671	Removal of
## 8672	Removal of Rad
## 8673	Removal of Autologous T
## 8674	Removal of Synt
## 8675	Removal of Nonautologous T
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## 8682	Replac
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## 8685	Replacement of Omentum w
## 8686	Replacement of O
## 8687	Replacement of Omentum with
## 8688	Replacem
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## 8690	Replacem
## 8691	Replacement of Mesentery w
## 8692	Replacement of Mes
## 8693	Replacement of Mesentery with
## 8694	Replacem
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## 8696	Replacement
## 8697	Replacement of Peritoneum w
## 8698	Replacement of Peri
## 8699	Replacement of Peritoneum with
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## 8704	Supp
## 8705	Supplement Omentum w
## 8706	Supplement O
## 8707	Supplement Omentum with
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## 8711	Supplement Mesentery w
## 8712	Supplement Mes
## 8713	Supplement Mesentery with
## 8714	Supp
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## 8716	Supple
## 8717	Supplement Peritoneum w
## 8718	Supplement Peri
## 8719	Supplement Peritoneum with

## 8720	Revisi
## 8721	Revision of Extraluminal
## 8722	
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## 8725	Rev.
## 8726	Revisi
## 8727	Revision of Autolog
## 8728	Revision of
## 8729	Revision of Nonautolog
## 8730	
## 8731	Rev.
## 8732	
## 8733	Revisi
## 8734	Revision
## 8735	Revision of Autologous
## 8736	Revision of S
## 8737	Revision of Nonautologous
## 8738	
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## 8742	Revision o
## 8743	Revision of Autologous
## 8744	Revision of Syn
## 8745	Revision of Nonautologous
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## 8801	
## 8802	
## 8803	Bypass Peritoneal Cavity to Right Pleural Cavity
## 8804	Bypass Peritoneal Cavity to Left Pleural Cavity
## 8805	Bypass Peritoneal Cavity to Peritoneal Cavity
## 8806	Bypass Peritoneal Cavity to Pelvic Cavity
## 8807	Bypass Peritoneal Cavity to Upper Right Pleural Cavity
## 8808	Bypass Peritoneal Cavity to Lower Right Pleural Cavity
## 8809	Bypass Peritoneal Cavity to Upper Left Pleural Cavity
## 8810	Bypass Peritoneal Cavity to Lower Left Pleural Cavity
## 8811	Bypass Peritoneal Cavity to Right Pleural Cavity
## 8812	Bypass Peritoneal Cavity to Left Pleural Cavity
## 8813	Bypass Peritoneal Cavity to Peritoneal Cavity
## 8814	Bypass Peritoneal Cavity to Pelvic Cavity
## 8815	Bypass Peritoneal Cavity to Upper Right Pleural Cavity
## 8816	Bypass Peritoneal Cavity to Lower Right Pleural Cavity
## 8817	Bypass Peritoneal Cavity to Upper Left Pleural Cavity
## 8818	Bypass Peritoneal Cavity to Lower Left Pleural Cavity
## 8819	Bypass Pelvic Cavity to Right Pleural Cavity
## 8820	Bypass Pelvic Cavity to Left Pleural Cavity
## 8821	Bypass Pelvic Cavity to Peritoneal Cavity
## 8822	Bypass Pelvic Cavity to Pelvic Cavity
## 8823	Bypass Pelvic Cavity to Upper Right Pleural Cavity
## 8824	Bypass Pelvic Cavity to Lower Right Pleural Cavity
## 8825	Bypass Pelvic Cavity to Upper Left Pleural Cavity
## 8826	Bypass Pelvic Cavity to Lower Left Pleural Cavity
## 8827	Bypass Pelvic Cavity to Peritoneal Cavity

## 8828	Bypass Pelvic Cavity to Pelvic C
## 8829	Bypass Pelvic Cavity to Upper
## 8830	Bypass Pelvic Cavity to Lower
## 8831	
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## 8838	Control Bl
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## 8841	Drainage of Periton
## 8842	
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## 8845	Drainage of Retr
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## 8849	Drainage of Pe
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## 8856	Extirpation
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## 8861	
## 8862	Extirpation of Ma
## 8863	
## 8864	Extirpation of
## 8865	
## 8866	Fr
## 8867	
## 8868	
## 8869	In
## 8870	
## 8871	
## 8872	Insertion of Radioac
## 8873	Insertion of Infu
## 8874	Insertion of
## 8875	Inse
## 8876	
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## 8878	Insertion of Radioactive
## 8879	Insertion of Infusio
## 8880	Insertion of Othe
## 8881	In

## 8882	
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## 8884	Insertion of Radioact
## 8885	Insertion of Infus
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## 8890	Insertion of Radioac
## 8891	Insertion of In
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## 8909	Removal o
## 8910	I
## 8911	Removal of I
## 8912	
## 8913	Removal of Drain
## 8914	Removal of Radioac
## 8915	Removal of Inf
## 8916	Removal of Autologous Tissue
## 8917	Removal of Synthetic
## 8918	Removal of Nonautologous Tissue
## 8919	Removal of (
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## 8925	Removal of Drain
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## 8934	Removal of Drain
## 8935	Removal of Radioact

## 8936	Removal of Infu
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## 8943	Removal of Dr
## 8944	Removal of Radioa
## 8945	Removal of In
## 8946	Removal of Synthet
## 8947	Removal of
## 8948	Removal
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## 8950	
## 8951	Removal of Radioactive Ele
## 8952	Removal of Infusion Dev
## 8953	Removal of Other Dev
## 8954	
## 8955	
## 8956	
## 8957	Revision
## 8958	
## 8959	Revision o
## 8960	
## 8961	Revision of D
## 8962	Revision of Radio
## 8963	Revision of In
## 8964	Revision of Autologous Tis
## 8965	Revision of Synthe
## 8966	Revision of Nonautologous Tis
## 8967	Revision o
## 8968	
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## 8972	Revision of Drain
## 8973	Revision of Radioact
## 8974	Revision of Infu
## 8975	Revision of O
## 8976	
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## 8980	Revision of Dr
## 8981	Revision of Radioa
## 8982	Revision of In
## 8983	Revision of
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## 8989	Revision of

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Revision of Radi
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```
#a dataframe print method is being utilized.
```

```
#defining new generic function 'nUnique'.
```

```
nUnique <- function(x) {
  UseMethod('nUnique')
}
```

```
#6.
```

```
#writing a default method for 'nUnique' to count number of unique values/ element.
```

```
nUnique.default <- function(x) {
  unique_values <- unique(x)
  num_unique <- length(unique_values)
  cat("Number of unique values:", num_unique, "\n")
  return(num_unique)
}
```

```
#7.
```

```
#checking function.
```

```
nUnique(letters) # should return 26
```

```
## Number of unique values: 26
```

```
## [1] 26
```

```
nUnique(sample(10, 100, replace = TRUE)) # should return 10 (probably)
```

```
## Number of unique values: 10
```

```
## [1] 10
```

```
#function appears to be working properly
```

```
#8.
```

```
#writing a data.frame method for 'nUnique' to operate on data.frame objects. Returning counts for each
```

```
nUnique.data.frame <- function(x) {  
  num_unique <- sapply(x, function(col) length(unique(col)))  
  cat("number of unique values for each column:\n")  
  print(num_unique)  
  return(num_unique)  
}
```

```
#9.
```

```
#checking function with dat.
```

```
nUnique(dat)
```

```
## number of unique values for each column:
```

```
##      Procedure Code Category      ICD-10-PCS Codes  
##                39                8993  
## Procedure Code Descriptions      Code Status  
##                8993                6
```

```
##      Procedure Code Category      ICD-10-PCS Codes  
##                39                8993  
## Procedure Code Descriptions      Code Status  
##                8993                6
```

Question 2

you dont need to print it twice

remove either the print or return line in the function

15 points

```
#Question 2, 1.
```

```
#Setting RNG seed.
```

```
set.seed(8)
```

```
# Defining the makePatient function.
```

```
makePatient <- function() {  
  vowel <- grep("[aeiou]", letters)  
  cons <- grep("[^aeiou]", letters)  
  name <- paste(sample(LETTERS[cons], 1), sample(letters[vowel], 1), sample(letters[cons], 1), sep='')  
}
```

```

gender <- factor(sample(0:1, 1), levels=0:1, labels=c('female','male'))
dob <- as.Date(sample(7500, 1), origin="1970-01-01")
n <- sample(6, 1)
doa <- as.Date(sample(1500, n), origin="2010-01-01")
pulse <- round(rnorm(n, 80, 10))
temp <- round(rnorm(n, 98.4, 0.3), 2)
fluid <- round(runif(n), 2)
list(name, gender, dob, doa, pulse, temp, fluid)
}

# Defining the medicalRecord class.
medicalRecord <- function(name, gender, dob, doa, pulse, temp, fluid) {
  structure(
    list(
      name = name,
      gender = gender,
      dob = dob,
      doa = doa,
      pulse = pulse,
      temp = temp,
      fluid = fluid
    ),
    class = "medicalRecord"
  )
}

# Defining a print method for the medicalRecord class.
print.medicalRecord <- function(x) {
  cat("Medical Record:\n")
  cat("Name:", x$name, "\n")
  cat("Gender:", levels(x$gender)[x$gender], "\n")
  cat("Date of Birth:", x$dob, "\n")
  cat("Date of Admission:", x$doa, "\n")
  cat("Pulse:", x$pulse, "\n")
  cat("Temperature:", x$temp, "\n")
  cat("Fluid Intake:", x$fluid, "\n")
}

# Generating a medical record using makePatient.
patient_data <- makePatient()
medical_record <- medicalRecord(
  name = patient_data[[1]],
  gender = patient_data[[2]],
  dob = patient_data[[3]],
  doa = patient_data[[4]],
  pulse = patient_data[[5]],
  temp = patient_data[[6]],
  fluid = patient_data[[7]]
)

# Printing the medical record.
print(medical_record)

```



```
## Medical Record:
## Name: Yes
## Gender: male
## Date of Birth: 2679
## Date of Admission: 15865 15888
## Pulse: 79 78
## Temperature: 98.07 97.5
## Fluid Intake: 0.28 0.52
```

```
# Printing the class of the medical record.
cat("Class of the medical record:", class(medical_record), "\n")
```

```
## Class of the medical record: medicalRecord
```

```
#2.
```

```
# Defining a method for the generic function 'mean' for medicalRecord objects.
```

```
mean.medicalRecord <- function(x) {
  # Calculating means for pulse, temperature, and fluid
  pulse_mean <- mean(x$pulse)
  temp_mean <- mean(x$temp)
  fluid_mean <- mean(x$fluid)

  # Returning a named list of means
  list(
    pulse = pulse_mean,
    temperature = temp_mean,
    fluid_intake = fluid_mean
  )
}
```

```
# Defining a method for the generic function 'print' for medicalRecord objects.
```

```
print.medicalRecord <- function(x) {
  cat("Medical Record:\n")
  cat("Name:", x$name, "\n")
  cat("Gender:", levels(x$gender)[x$gender], "\n")
  cat("Date of Birth:", x$dob, "\n")
  cat("Date of Admission:", x$doa, "\n")
  cat("Pulse:", x$pulse, "\n")
  cat("Temperature:", x$temp, "\n")
  cat("Fluid Intake:", x$fluid, "\n")
}
```

```
# Defining a method for the generic function 'plot' for medicalRecord objects.
```

```
plot.medicalRecord <- function(x, ...) {
  par(mfrow = c(3, 1), mar = c(4, 4, 2, 1))
```

```
# Plotting pulse over time.
```

```
plot(x$doa, x$pulse, type = "o", main = "Pulse Over Time", xlab = "Date of Admission", ylab = "Pulse")
```

```
# Plotting temperature over time.
```

```
plot(x$doa, x$temp, type = "o", main = "Temperature Over Time", xlab = "Date of Admission", ylab = "Temperature")
```

```

# Plotting fluid intake over time.
plot(x$doa, x$fluid, type = "o", main = "Fluid Intake Over Time", xlab = "Date of Admission", ylab = "Fluid Intake")

par(mfrow = c(1, 1), mar = c(5, 4, 4, 2) + 0.1)
}

# Calling the 'mean' method for the medical record.
means <- mean(medical_record)
cat("Means:\n")

## Means:

print(means)

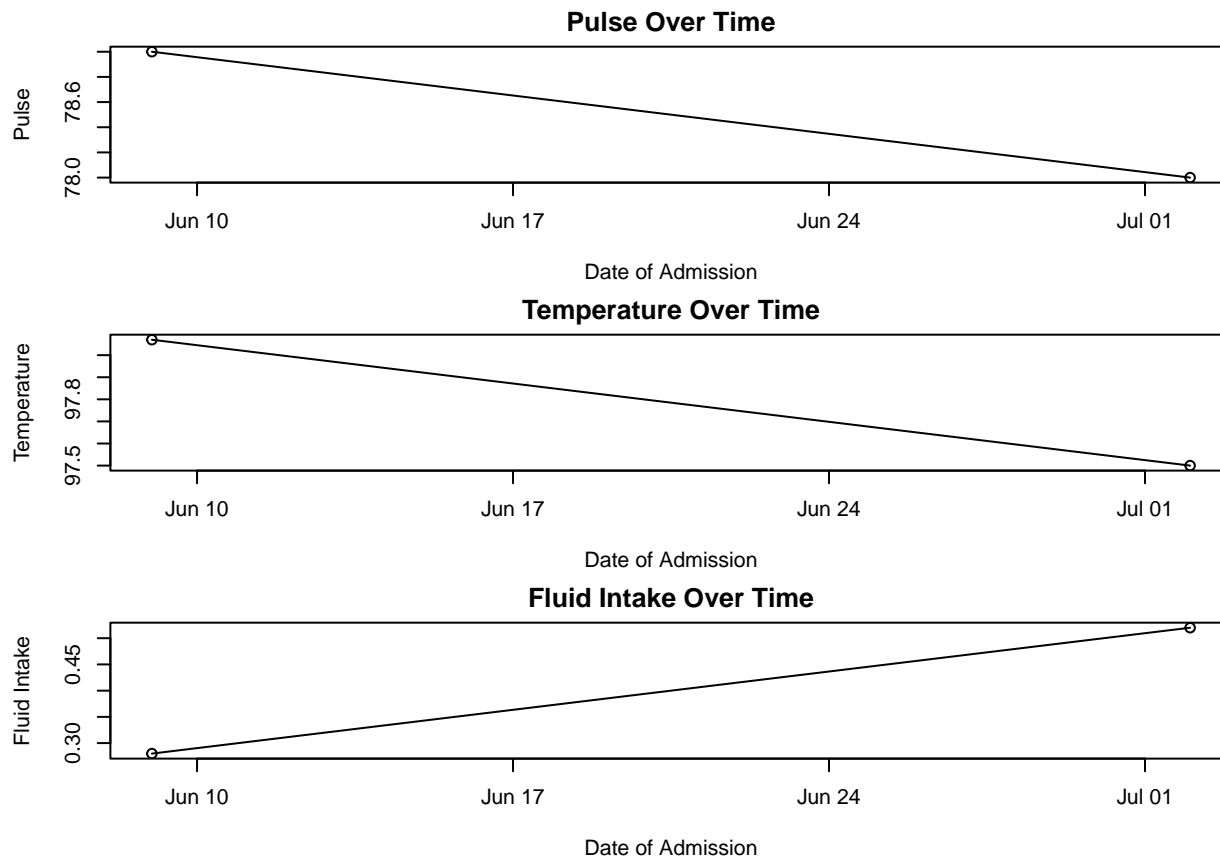
## $pulse
## [1] 78.5
##
## $temperature
## [1] 97.785
##
## $fluid_intake
## [1] 0.4

# Calling the 'print' method for the medical record.
print(medical_record)

## Medical Record:
## Name: Yes
## Gender: male
## Date of Birth: 2679
## Date of Admission: 15865 15888
## Pulse: 79 78
## Temperature: 98.07 97.5
## Fluid Intake: 0.28 0.52

# Calling the 'plot' method for the medical record.
plot(medical_record)

```



```
#3.
# Resetting RNG seed to 8
set.seed(8)

# Defining the patientCohort class
patientCohort <- function(patients) {
  structure(
    list(patients = patients),
    class = "patientCohort"
  )
}

# Defining a method for the generic function 'mean' for patientCohort objects
mean.patientCohort <- function(x) {
  # Apply the 'mean' method to each patient in the cohort
  patient_means <- lapply(x$patients, function(patient) {
    numeric_data <- Filter(is.numeric, patient)
    if (length(numeric_data) > 0) {
      means <- sapply(numeric_data, mean)
      names(means) <- names(numeric_data)
      return(means)
    } else {
      return(NULL)
    }
  })
  return(patient_means)
}
```

```

}

# Defining a method for the generic function 'print' for patientCohort objects
print.patientCohort <- function(x) {
  cat("Patient Cohort:\n")
  # Apply the 'print' method to each patient in the cohort
  lapply(x$patients, print)
}

# Creating a cohort of ten patients
patient_cohort <- patientCohort(replicate(10, makePatient(), simplify = FALSE))

# Showing the output for 'mean' and 'print' for the patient cohort
cat("Means for Patient Cohort:\n")

```

```
## Means for Patient Cohort:
```

```
print(mean(patient_cohort))
```

```

## [[1]]
## [1] 78.500 97.785 0.400
##
## [[2]]
## [1] 86.3333333 98.3966667 0.4133333
##
## [[3]]
## [1] 77.0000 98.6475 0.5200
##
## [[4]]
## [1] 83.1666667 98.4850000 0.2966667
##
## [[5]]
## [1] 83.5000 98.4500 0.4525
##
## [[6]]
## [1] 84.400 98.484 0.522
##
## [[7]]
## [1] 76.5000 98.3800 0.3975
##
## [[8]]
## [1] 75.0000 98.3675 0.5225
##
## [[9]]
## [1] 73.00 98.36 0.15
##
## [[10]]
## [1] 77.00 98.54 0.15

```

```
cat("\nPrint for Patient Cohort:\n")
```

```
##
## Print for Patient Cohort:
```

```
print(patient_cohort)
```

```
## Patient Cohort:
## [[1]]
## [1] "Yes"
##
## [[2]]
## [1] male
## Levels: female male
##
## [[3]]
## [1] "1977-05-03"
##
## [[4]]
## [1] "2013-06-09" "2013-07-02"
##
## [[5]]
## [1] 79 78
##
## [[6]]
## [1] 98.07 97.50
##
## [[7]]
## [1] 0.28 0.52
##
## [[1]]
## [1] "Fal"
##
## [[2]]
## [1] male
## Levels: female male
##
## [[3]]
## [1] "1988-05-24"
##
## [[4]]
## [1] "2010-11-16" "2013-09-12" "2013-03-24"
##
## [[5]]
## [1] 76 96 87
##
## [[6]]
## [1] 98.23 98.75 98.21
##
## [[7]]
## [1] 0.18 0.96 0.10
##
## [[1]]
## [1] "Zog"
##
## [[2]]
## [1] male
## Levels: female male
```

```

##
## [[3]]
## [1] "1988-12-14"
##
## [[4]]
## [1] "2013-03-25" "2013-07-29" "2013-10-27" "2010-02-24"
##
## [[5]]
## [1] 69 75 80 84
##
## [[6]]
## [1] 98.49 98.82 98.74 98.54
##
## [[7]]
## [1] 0.81 0.59 0.28 0.40
##
## [[1]]
## [1] "Yol"
##
## [[2]]
## [1] male
## Levels: female male
##
## [[3]]
## [1] "1986-03-11"
##
## [[4]]
## [1] "2014-01-28" "2013-03-24" "2012-03-10" "2010-02-22" "2011-12-27"
## [6] "2012-11-26"
##
## [[5]]
## [1] 69 78 87 84 89 92
##
## [[6]]
## [1] 98.29 98.44 98.78 98.87 98.27 98.26
##
## [[7]]
## [1] 0.03 0.13 0.12 0.39 0.97 0.14
##
## [[1]]
## [1] "Yak"
##
## [[2]]
## [1] female
## Levels: female male
##
## [[3]]
## [1] "1983-09-15"
##
## [[4]]
## [1] "2012-08-30" "2012-04-07" "2011-07-19" "2012-07-11"
##
## [[5]]
## [1] 90 88 75 81

```

```

##
## [[6]]
## [1] 98.58 97.53 98.58 99.11
##
## [[7]]
## [1] 0.26 0.29 0.60 0.66
##
## [[1]]
## [1] "Gaf"
##
## [[2]]
## [1] female
## Levels: female male
##
## [[3]]
## [1] "1978-04-27"
##
## [[4]]
## [1] "2012-04-24" "2010-07-19" "2012-08-06" "2013-08-21" "2011-05-03"
##
## [[5]]
## [1] 89 91 77 75 90
##
## [[6]]
## [1] 98.32 98.01 98.96 98.52 98.61
##
## [[7]]
## [1] 0.42 0.47 0.74 0.62 0.36
##
## [[1]]
## [1] "Kuw"
##
## [[2]]
## [1] female
## Levels: female male
##
## [[3]]
## [1] "1980-11-07"
##
## [[4]]
## [1] "2011-09-16" "2010-10-29" "2012-07-10" "2010-10-03"
##
## [[5]]
## [1] 72 81 71 82
##
## [[6]]
## [1] 98.21 98.17 98.65 98.49
##
## [[7]]
## [1] 0.29 0.93 0.25 0.12
##
## [[1]]
## [1] "Mav"
##

```

```

## [[2]]
## [1] female
## Levels: female male
##
## [[3]]
## [1] "1989-07-16"
##
## [[4]]
## [1] "2012-03-02" "2010-06-11" "2010-02-08" "2010-04-19"
##
## [[5]]
## [1] 63 83 66 88
##
## [[6]]
## [1] 99.07 98.45 97.95 98.00
##
## [[7]]
## [1] 0.01 0.79 0.79 0.50
##
## [[1]]
## [1] "Fel"
##
## [[2]]
## [1] male
## Levels: female male
##
## [[3]]
## [1] "1985-08-16"
##
## [[4]]
## [1] "2012-06-24" "2010-09-26"
##
## [[5]]
## [1] 65 81
##
## [[6]]
## [1] 98.21 98.51
##
## [[7]]
## [1] 0.06 0.24
##
## [[1]]
## [1] "Say"
##
## [[2]]
## [1] female
## Levels: female male
##
## [[3]]
## [1] "1974-09-22"
##
## [[4]]
## [1] "2010-03-14"
##

```



```

## [[5]]
## [1] 77
##
## [[6]]
## [1] 98.54
##
## [[7]]
## [1] 0.15

## [[1]]
## [[1]][[1]]
## [1] "Yes"
##
## [[1]][[2]]
## [1] male
## Levels: female male
##
## [[1]][[3]]
## [1] "1977-05-03"
##
## [[1]][[4]]
## [1] "2013-06-09" "2013-07-02"
##
## [[1]][[5]]
## [1] 79 78
##
## [[1]][[6]]
## [1] 98.07 97.50
##
## [[1]][[7]]
## [1] 0.28 0.52
##
##
## [[2]]
## [[2]][[1]]
## [1] "Fal"
##
## [[2]][[2]]
## [1] male
## Levels: female male
##
## [[2]][[3]]
## [1] "1988-05-24"
##
## [[2]][[4]]
## [1] "2010-11-16" "2013-09-12" "2013-03-24"
##
## [[2]][[5]]
## [1] 76 96 87
##
## [[2]][[6]]
## [1] 98.23 98.75 98.21
##
## [[2]][[7]]

```

```

## [1] 0.18 0.96 0.10
##
##
## [[3]]
## [[3]][[1]]
## [1] "Zog"
##
## [[3]][[2]]
## [1] male
## Levels: female male
##
## [[3]][[3]]
## [1] "1988-12-14"
##
## [[3]][[4]]
## [1] "2013-03-25" "2013-07-29" "2013-10-27" "2010-02-24"
##
## [[3]][[5]]
## [1] 69 75 80 84
##
## [[3]][[6]]
## [1] 98.49 98.82 98.74 98.54
##
## [[3]][[7]]
## [1] 0.81 0.59 0.28 0.40
##
##
## [[4]]
## [[4]][[1]]
## [1] "Yol"
##
## [[4]][[2]]
## [1] male
## Levels: female male
##
## [[4]][[3]]
## [1] "1986-03-11"
##
## [[4]][[4]]
## [1] "2014-01-28" "2013-03-24" "2012-03-10" "2010-02-22" "2011-12-27"
## [6] "2012-11-26"
##
## [[4]][[5]]
## [1] 69 78 87 84 89 92
##
## [[4]][[6]]
## [1] 98.29 98.44 98.78 98.87 98.27 98.26
##
## [[4]][[7]]
## [1] 0.03 0.13 0.12 0.39 0.97 0.14
##
##
## [[5]]
## [[5]][[1]]

```

```

## [1] "Yak"
##
## [[5]][[2]]
## [1] female
## Levels: female male
##
## [[5]][[3]]
## [1] "1983-09-15"
##
## [[5]][[4]]
## [1] "2012-08-30" "2012-04-07" "2011-07-19" "2012-07-11"
##
## [[5]][[5]]
## [1] 90 88 75 81
##
## [[5]][[6]]
## [1] 98.58 97.53 98.58 99.11
##
## [[5]][[7]]
## [1] 0.26 0.29 0.60 0.66
##
##
## [[6]]
## [[6]][[1]]
## [1] "Gaf"
##
## [[6]][[2]]
## [1] female
## Levels: female male
##
## [[6]][[3]]
## [1] "1978-04-27"
##
## [[6]][[4]]
## [1] "2012-04-24" "2010-07-19" "2012-08-06" "2013-08-21" "2011-05-03"
##
## [[6]][[5]]
## [1] 89 91 77 75 90
##
## [[6]][[6]]
## [1] 98.32 98.01 98.96 98.52 98.61
##
## [[6]][[7]]
## [1] 0.42 0.47 0.74 0.62 0.36
##
##
## [[7]]
## [[7]][[1]]
## [1] "KuW"
##
## [[7]][[2]]
## [1] female
## Levels: female male
##

```

```

## [[7]][[3]]
## [1] "1980-11-07"
##
## [[7]][[4]]
## [1] "2011-09-16" "2010-10-29" "2012-07-10" "2010-10-03"
##
## [[7]][[5]]
## [1] 72 81 71 82
##
## [[7]][[6]]
## [1] 98.21 98.17 98.65 98.49
##
## [[7]][[7]]
## [1] 0.29 0.93 0.25 0.12
##
##
## [[8]]
## [[8]][[1]]
## [1] "Mav"
##
## [[8]][[2]]
## [1] female
## Levels: female male
##
## [[8]][[3]]
## [1] "1989-07-16"
##
## [[8]][[4]]
## [1] "2012-03-02" "2010-06-11" "2010-02-08" "2010-04-19"
##
## [[8]][[5]]
## [1] 63 83 66 88
##
## [[8]][[6]]
## [1] 99.07 98.45 97.95 98.00
##
## [[8]][[7]]
## [1] 0.01 0.79 0.79 0.50
##
##
## [[9]]
## [[9]][[1]]
## [1] "Fel"
##
## [[9]][[2]]
## [1] male
## Levels: female male
##
## [[9]][[3]]
## [1] "1985-08-16"
##
## [[9]][[4]]
## [1] "2012-06-24" "2010-09-26"
##

```

```

## [[9]][[5]]
## [1] 65 81
##
## [[9]][[6]]
## [1] 98.21 98.51
##
## [[9]][[7]]
## [1] 0.06 0.24
##
##
## [[10]]
## [[10]][[1]]
## [1] "Say"
##
## [[10]][[2]]
## [1] female
## Levels: female male
##
## [[10]][[3]]
## [1] "1974-09-22"
##
## [[10]][[4]]
## [1] "2010-03-14"
##
## [[10]][[5]]
## [1] 77
##
## [[10]][[6]]
## [1] 98.54
##
## [[10]][[7]]
## [1] 0.15

```