Descriptive Stats

```
years_rad <- sapply(c("6W.", "2Y.", "5Y."), function(x) paste(x, vars$radiology), simplify = TRUE)
years_quality <- sapply(c("6M.", "2Y.", "5Y."), function(x) paste(x, vars$quality), simplify = TRUE)
quality_first <- paste(vars$quality, "_First Visit", sep="")

all_vars <- c(
  unlist(vars[c("demographics", "radiology", "surgery")]) %>% unique,
  '2 YEAR VISIT - Date of visit',
  '3 YEAR VISIT - Date of visit',
  '5 YEAR VISIT - Date of visit',
  '6 YEAR VISIT - Date of visit',
  'Code of the patient',
  years_rad,
  years_quality,
  quality_first
)

clinical_data <- rbind(
  clinical_data_0[, .SD, .SDcols=all_vars][, type:='non-depuy'],
  clinical_data_1[, .SD, .SDcols=all_vars][, type:='depuy']
)
```

Filters

```
discarded_patients <- readLines('five_years/discarded_patients')

clinical_data %<>%
  .[, followup_2y :=
      !is.na(`2 YEAR VISIT - Date of visit`) |
      !is.na(`3 YEAR VISIT - Date of visit`)] %>%
  .[, followup_5y :=
      !is.na(`5 YEAR VISIT - Date of visit`) |
      !is.na(`6 YEAR VISIT - Date of visit`)]
```

- Number of Patients

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   708
2:     depuy   607
```

- Number of patients with visit in 2 years

```
clinical_data[followup_2y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   465
2:     depuy   434
```

- Number of patients with visit in 5 years

```
clinical_data[followup_5y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   220
2:     depuy   224
```

```
# clinical_data %<>%
#   .[followup_2y==TRUE] %>%
#   .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total Patients for the analysis

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   708
2:     depuy   607
```

Demographics

```
Age
[1] "stats"
        type     mean       sd   N
1: non-depuy 57.83637 20.09462 708
2:     depuy 52.94383 20.22508 607
[1] "p_val"
[1] 1.248359e-05


Gender
[1] "table_depuy"

Female   Male
   492    115
[1] "proportion_depuy"

   Female      Male
0.8105437 0.1894563
[1] "table_nondepuy"

Female   Male
   548    160
```

```
[1] "proportion_nondepuy"

   Female      Male
0.7740113 0.2259887
[1] "p_val_Male"
[1] 0.1197257
[1] "p_val_Female"
[1] 0.1197257


Prior Spine Surgery
[1] "table_depuy"

 No Yes
422 183
[1] "proportion_depuy"

       No       Yes
0.6975207 0.3024793
[1] "table_nondepuy"

 No Yes
454 254
[1] "proportion_nondepuy"

       No       Yes
0.6412429 0.3587571
[1] "p_val_No"
[1] 0.04436505
[1] "p_val_Yes"
[1] 0.03240516
[1] "p_val_NA"
[1] NaN


Height (cm)_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 162.7347 10.343566 686
2:     depuy 163.0033  9.156266 603
[1] "p_val"
[1] 0.6209816


Weight (kgs)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 66.53130 14.00669 687
2:     depuy 65.88411 13.60750 604
[1] "p_val"
[1] 0.4004779


BMI_First Visit
```

```
[1] "stats"
        type     mean       sd   N
1: non-depuy 25.14070 4.906453 685
2:     depuy 24.76746 4.637766 602
[1] "p_val"
[1] 0.1611543


ASA classification
[1] "table_depuy"

  1   2   3   4
143 326 134   2
[1] "proportion_depuy"

          1           2           3           4
0.236363636 0.538842975 0.221487603 0.003305785
[1] "table_nondepuy"

  1   2   3   4
238 373  94   0
[1] "proportion_nondepuy"

        1         2         3         4
0.3375887 0.5290780 0.1333333 0.0000000


Tobacco use_First Visit
[1] "table_depuy"

                         Current User:          Current User: 1 pack per day
                                     1                                    29
       Current User: 2 packs per day Current User: 3 packs or more per day
                                     1                                     5
  Current User: Less than 1pk per day                              Ex-User:
                                    86                                     1
                 Ex-User: 0-6 months            Ex-User: 1 year or greater
                                    21                                     5
           Ex-User: 2 yrs or greater                  Ex-User: 6-12 months
                                    65                                     4
                         Ex-User: N,A,                              Non-User
                                     1                                   381
[1] "proportion_depuy"

                         Current User:          Current User: 1 pack per day
                           0.001666667                            0.048333333
       Current User: 2 packs per day Current User: 3 packs or more per day
                           0.001666667                            0.008333333
  Current User: Less than 1pk per day                              Ex-User:
                           0.143333333                            0.001666667
                 Ex-User: 0-6 months            Ex-User: 1 year or greater
                           0.035000000                            0.008333333
           Ex-User: 2 yrs or greater                  Ex-User: 6-12 months
                           0.108333333                            0.006666667
```

```
                      Ex-User: N,A,                           Non-User
                       0.001666667                          0.635000000
[1] "table_nondepuy"

                     Current User:        Current User: 1 pack per day
                                 2                                  36
     Current User: 2 packs per day Current User: Less than 1pk per day
                                 4                                  78
                Current User: N,A,                Ex-User: 0-6 months
                                 1                                  19
        Ex-User: 1 year or greater           Ex-User: 2 yrs or greater
                                 2                                  89
              Ex-User: 6-12 months                            Non-User
                                 3                                 442
[1] "proportion_nondepuy"

                     Current User:        Current User: 1 pack per day
                        0.00295858                         0.05325444
     Current User: 2 packs per day Current User: Less than 1pk per day
                        0.00591716                         0.11538462
                Current User: N,A,                Ex-User: 0-6 months
                        0.00147929                         0.02810651
        Ex-User: 1 year or greater           Ex-User: 2 yrs or greater
                        0.00295858                         0.13165680
              Ex-User: 6-12 months                            Non-User
                        0.00443787                         0.65384615


ESSG Diagnosis
[1] "table_depuy"

                Congenital               Degenerative
                        11                        255
              Failed-back                  Idiopathic
                        32                        253
            Neuromuscular Other: radiotherapy induced
                         7                          1
  Other: Spondylolisthesis             Post-infection
                         7                          2
           Post-traumatic                 Scheuermann
                        12                         19
                 Syndromic
                         8
[1] "proportion_depuy"

                Congenital               Degenerative
               0.018121911               0.420098847
              Failed-back                  Idiopathic
               0.052718287               0.416803954
            Neuromuscular Other: radiotherapy induced
               0.011532125               0.001647446
  Other: Spondylolisthesis             Post-infection
               0.011532125               0.003294893
           Post-traumatic                 Scheuermann
```

```
               0.019769357                0.031301483
                 Syndromic
               0.013179572
[1] "table_nondepuy"

                           Congenital                           Degenerative
                                   16                                    269
            Degenerative, Failed-back                            Failed-back
                                    1                                     41
                           Idiopathic                 Idiopathic, Congenital
                                  298                                      1
             Idiopathic, Degenerative                           Neuromuscular
                                    3                                      5
                               Other:       Other:  Isthmic Spondilolisthesis
                                    2                                      1
  Other: degenerative spondilolisthesis Other: multiple Myelom, Multiple Myelom
                                    2                                      1
  Other: Myelon compression at level C3             Other: Neglected Scoliosis
                                    1                                      1
              Other: spondylolisthesis                          Post-infection
                                    2                                      2
                         Post-traumatic                           Scheuermann
                                   21                                     29
              Scheuermann, Failed-back                             Syndromic
                                    1                                      6
[1] "proportion_nondepuy"

                           Congenital                           Degenerative
                           0.022759602                           0.382645804
            Degenerative, Failed-back                            Failed-back
                           0.001422475                           0.058321479
                           Idiopathic                 Idiopathic, Congenital
                           0.423897582                           0.001422475
             Idiopathic, Degenerative                           Neuromuscular
                           0.004267425                           0.007112376
                               Other:       Other:  Isthmic Spondilolisthesis
                           0.002844950                           0.001422475
  Other: degenerative spondilolisthesis Other: multiple Myelom, Multiple Myelom
                           0.002844950                           0.001422475
  Other: Myelon compression at level C3             Other: Neglected Scoliosis
                           0.001422475                           0.001422475
              Other: spondylolisthesis                          Post-infection
                           0.002844950                           0.002844950
                         Post-traumatic                           Scheuermann
                           0.029871977                           0.041251778
              Scheuermann, Failed-back                             Syndromic
                           0.001422475                           0.008534851


Surgical Approach
[1] "table_depuy"

                    Anterior           Anterior-Posterior
                           1                           17
```

```
Anterior-Posterior-Posterior                    Posterior
                           2                          557
          Posterior-Anterior Posterior-Anterior-Posterior
                           8                            3
         Posterior-Posterior
                           6
[1] "proportion_depuy"

                   Anterior           Anterior-Posterior
                0.001683502                  0.028619529
Anterior-Posterior-Posterior                    Posterior
                0.003367003                  0.937710438
          Posterior-Anterior Posterior-Anterior-Posterior
                0.013468013                  0.005050505
         Posterior-Posterior
                0.010101010
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)
```

Radiology

```
Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 44.36239 24.19432 675
2:     depuy 42.86437 20.89644 584
[1] "p_val"
[1] 0.2386984


6W. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 21.68337 16.28217 504
2:     depuy 21.49699 14.75974 501
[1] "p_val"
[1] 0.8492326


6W. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -21.79823 16.35110 504
2:     depuy -21.94874 16.14629 500
[1] "p_val"
[1] 0.8833609


2Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 22.70755 16.91486 298
2:     depuy 23.57279 16.26678 312
[1] "p_val"
[1] 0.5201802


2Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -21.79936 15.99859 298
2:     depuy -20.63456 16.02746 307
[1] "p_val"
[1] 0.3714075


5Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 24.07500 16.95097 116
2:     depuy 22.74064 17.67386 109
[1] "p_val"
[1] 0.5643366


5Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -25.28905 14.63337 116
2:     depuy -22.02689 15.52396 106
[1] "p_val"
[1] 0.1094664


Static Major curve Cobb angle tests
preop vs 6w p-value
2.436011e-142
6w vs 2y p-value
0.06080443

6w vs 5y p-value
0.1430244
2y vs 5y p-value
0.8346571

Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.110114 32.77221 613
2:     depuy 19.308445 19.48480 553
[1] "p_val"
[1] 2.134864e-39


6W. Coronal Balance (C7PL to CSVL)
```

```
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.839075 22.80934 562
2:     depuy 17.570397 15.00860 453
[1] "p_val"
[1] 1.355742e-57
```

```
6W. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.046336 31.69382 524
2:     depuy -3.360210 21.64344 428
[1] "p_val"
[1] 0.1827393
```

```
2Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type       mean       sd   N
1: non-depuy  0.2077448 22.76688 337
2:     depuy 17.3312803 14.04835 289
[1] "p_val"
[1] 1.258038e-27
```

```
2Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  0.3859164 32.58916 311
2:     depuy -6.2006844 22.99067 263
[1] "p_val"
[1] 0.004853903
```

```
5Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy  1.391628 25.80559 129
2:     depuy 18.858942 15.54783 104
[1] "p_val"
[1] 1.047618e-09
```

```
5Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy  3.545045 32.80842 111
2:     depuy -3.457708 20.44409  96
[1] "p_val"
[1] 0.06330118
```

```
Coronal Balance (C7PL to CSVL) tests
```

```
preop vs 6w p-value
0.1075987
6w vs 2y p-value
0.0914539

6w vs 5y p-value
0.08459377
2y vs 5y p-value
0.5397886

Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 45.93500 65.20117 614
2:     depuy 44.97592 62.20977 568
[1] "p_val"
[1] 0.795861


6W. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.15484 43.65378 552
2:     depuy 24.52501 41.99866 457
[1] "p_val"
[1] 0.3809602


6W. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -23.76010 56.36124 522
2:     depuy -20.75197 52.61448 442
[1] "p_val"
[1] 0.3921963


2Y. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 26.85552 50.43987 337
2:     depuy 31.08220 48.89691 291
[1] "p_val"
[1] 0.287521


2Y. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -20.49994 50.16435 308
2:     depuy -23.27214 55.01120 276
[1] "p_val"
[1] 0.5265093
```

```
5Y. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 32.19000 55.15074 129
2:     depuy 34.35874 49.75912 103
[1] "p_val"
[1] 0.7535922


5Y. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy   2.98500 53.88013 114
2:     depuy -16.07232 54.96942  99
[1] "p_val"
[1] 0.01159881


Sagittal Balance tests
preop vs 6w p-value
8.958862e-22
6w vs 2y p-value
0.02015148

6w vs 5y p-value
0.007969747
2y vs 5y p-value
0.2775359

Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 12.48101 9.404714 662
2:     depuy 12.50871 9.145658 572
[1] "p_val"
[1] 0.9582566


6W. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 15.10976 9.258677 585
2:     depuy 14.36206 9.015173 470
[1] "p_val"
[1] 0.1861744


6W. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.673827 9.557150 567
2:     depuy 2.314891 9.450032 458
[1] "p_val"
```

```
[1] 0.5476366


2Y. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 15.60218 10.17398 358
2:     depuy 14.79493 10.64587 300
[1] "p_val"
[1] 0.3232975


2Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.958314 10.85232 344
2:     depuy 2.575952 10.34694 289
[1] "p_val"
[1] 0.102069


5Y. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 16.38511 11.74653 135
2:     depuy 14.74423 10.81092 104
[1] "p_val"
[1] 0.2638235


5Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.156769 12.89345 130
2:     depuy 4.356863 11.25174 102
[1] "p_val"
[1] 0.6148218


Sagittal T2-T5 tests
preop vs 6w p-value
3.966434e-09
6w vs 2y p-value
0.3541087

6w vs 5y p-value
0.2564397
2y vs 5y p-value
0.6027092

Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.23830 19.47755 670
```

```
2:     depuy 32.38092 18.45926 577
[1] "p_val"
[1] 0.425508


6W. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 34.41262 14.99174 587
2:     depuy 35.03893 13.95783 475
[1] "p_val"
[1] 0.4820281


6W. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.365348 16.42628 574
2:     depuy 2.418688 14.67813 465
[1] "p_val"
[1] 0.2758501


2Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 37.59075 15.21634 360
2:     depuy 37.47884 17.22906 301
[1] "p_val"
[1] 0.9301643


2Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.699858 17.39132 352
2:     depuy 5.236416 16.73064 293
[1] "p_val"
[1] 0.6905326


5Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 39.84338 14.91906 136
2:     depuy 40.80738 16.43304 103
[1] "p_val"
[1] 0.6408851


5Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 6.287444 18.81026 133
```

```
2:     depuy 8.054118 17.26441 102
[1] "p_val"
[1] 0.4554046


Sagittal T5-T12 tests
preop vs 6w p-value
0.008154523
6w vs 2y p-value
0.0002288439

6w vs 5y p-value
7.065969e-07
2y vs 5y p-value
0.02241809

Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 39.56366 20.66489 669
2:     depuy 39.65363 19.30111 576
[1] "p_val"
[1] 0.9367573


6W. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 44.52691 16.56919 589
2:     depuy 44.42667 15.19923 471
[1] "p_val"
[1] 0.9183854


6W. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.097210 15.29901 577
2:     depuy 5.375758 14.20213 462
[1] "p_val"
[1] 0.7615574


2Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 47.55200 16.86643 360
2:     depuy 47.11259 17.27783 301
[1] "p_val"
[1] 0.7421381


2Y. Sagittal T2-T12_gain
[1] "stats"
```

```
        type     mean       sd   N
1: non-depuy 8.965128 15.29914 351
2:     depuy 7.770238 14.95439 294
[1] "p_val"
[1] 0.3176524


5Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 49.61044 17.10857 135
2:     depuy 49.54760 16.41984 104
[1] "p_val"
[1] 0.9770458


5Y. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 10.98371 17.28043 132
2:     depuy 11.49618 16.18168 102
[1] "p_val"
[1] 0.8158233


Sagittal T2-T12 tests
preop vs 6w p-value
9.839834e-11
6w vs 2y p-value
0.0005178739

6w vs 5y p-value
2.398692e-05
2y vs 5y p-value
0.0800603

Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -44.80025 21.42113 679
2:     depuy -45.13301 20.91009 594
[1] "p_val"
[1] 0.7794846


6W. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -51.95593 13.40999 605
2:     depuy -51.21122 14.96732 548
[1] "p_val"
[1] 0.3756549
```

```
6W. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.972836 18.94441 596
2:     depuy -6.347006 16.62581 541
[1] "p_val"
[1] 0.5531771


2Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -52.63956 13.90211 364
2:     depuy -51.36120 16.17806 324
[1] "p_val"
[1] 0.2696431


2Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -8.789331 16.82438 359
2:     depuy -7.755252 15.97710 318
[1] "p_val"
[1] 0.4126377


5Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -51.12699 13.94456 136
2:     depuy -51.68269 15.16752 108
[1] "p_val"
[1] 0.768635


5Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.484552 17.82561 134
2:     depuy -8.875607 18.67435 107
[1] "p_val"
[1] 0.1543777


Lordosis (top of L1-S1) tests
preop vs 6w p-value
1.133129e-19
6w vs 2y p-value
0.5388385

6w vs 5y p-value
0.8217871
2y vs 5y p-value
```

```
0.5420214

Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 55.43425 13.61167 676
2:     depuy 55.51809 13.66750 592
[1] "p_val"
[1] 0.9130672


6W. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 54.78519 13.17158 603
2:     depuy 55.22147 13.45122 545
[1] "p_val"
[1] 0.5795483


6W. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.7953885 6.666532 592
2:     depuy -0.1420408 4.708153 539
[1] "p_val"
[1] 0.05554822


2Y. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 55.11408 13.18623 365
2:     depuy 55.83188 14.00032 320
[1] "p_val"
[1] 0.4917785


2Y. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.3565181 6.724193 359
2:     depuy -0.1951274 6.395210 314
[1] "p_val"
[1] 0.7499374


5Y. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 54.99971 12.75214 136
2:     depuy 55.43343 12.78223 108
[1] "p_val"
[1] 0.7923732
```

```
5Y. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  0.9542537 7.317831 134
2:     depuy -0.6483810 6.959351 105
[1] "p_val"
[1] 0.08547219


Pelvic Incidence tests
preop vs 6w p-value
0.3803853
6w vs 2y p-value
0.4822046

6w vs 5y p-value
0.8258005
2y vs 5y p-value
0.7898455

Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.13464 12.32511 676
2:     depuy 21.43678 11.12938 587
[1] "p_val"
[1] 0.2906154


6W. Pelvic Tilt
[1] "stats"
        type     mean        sd   N
1: non-depuy 19.38943 10.155262 601
2:     depuy 19.33743  9.993358 545
[1] "p_val"
[1] 0.9304485


6W. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.908407 9.149188 590
2:     depuy -1.911161 8.068856 534
[1] "p_val"
[1] 0.05243285


2Y. Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 19.96340 10.52900 365
2:     depuy 20.57743  9.87535 319
```

```
[1] "p_val"
[1] 0.4318202


2Y. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.470641 7.794336 359
2:     depuy -1.794630 7.559005 311
[1] "p_val"
[1] 0.2555834


5Y. Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 21.15772 10.70222 136
2:     depuy 22.06731 10.18653 108
[1] "p_val"
[1] 0.4988136


5Y. Pelvic Tilt_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.7736567 7.592409 134
2:     depuy -1.5355340 8.648152 103
[1] "p_val"
[1] 0.4794355


Pelvic Tilt tests
preop vs 6w p-value
4.472544e-08
6w vs 2y p-value
0.07188894

6w vs 5y p-value
0.002942876
2y vs 5y p-value
0.09188182

Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.29675 12.17869 676
2:     depuy 34.25767 11.57239 592
[1] "p_val"
[1] 0.1502653


6W. Sacral Slope
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 35.43952 10.17779 604
2:     depuy 35.82747 10.37749 546
[1] "p_val"
[1] 0.5230315
```

```
6W. Sacral Slope_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.101417 9.306530 593
2:     depuy 1.729017 7.748025 539
[1] "p_val"
[1] 0.4631213
```

```
2Y. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 35.15649 10.51373 365
2:     depuy 35.30659 11.36744 320
[1] "p_val"
[1] 0.8583401
```

```
2Y. Sacral Slope_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.128162 7.851130 359
2:     depuy 1.614108 7.368519 314
[1] "p_val"
[1] 0.3815231
```

```
5Y. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.84206 10.04241 136
2:     depuy 33.36657 10.20094 108
[1] "p_val"
[1] 0.7160916
```

```
5Y. Sacral Slope_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 1.7135821 8.587412 134
2:     depuy 0.8209524 9.071584 105
[1] "p_val"
[1] 0.4404649
```

```
Sacral Slope tests
preop vs 6w p-value
3.237972e-05
```

```
6w vs 2y p-value
0.4411086

6w vs 5y p-value
0.00553193
2y vs 5y p-value
0.0386457

RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -18.56555 21.68261 676
2:     depuy -18.21864 19.86133 590
[1] "p_val"
[1] 0.7664974


6W. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.95968 12.98841 603
2:     depuy -12.02615 13.74310 543
[1] "p_val"
[1] 0.1785149


6W. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.565456 19.00238 592
2:     depuy 6.430748 16.68432 535
[1] "p_val"
[1] 0.2860563


2Y. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.50250 13.60781 364
2:     depuy -12.20931 14.70905 320
[1] "p_val"
[1] 0.1173546


2Y. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 9.077346 16.81658 358
2:     depuy 7.860732 16.46167 314
[1] "p_val"
[1] 0.3443477


5Y. RLL
```

```
[1] "stats"
        type       mean        sd   N
1: non-depuy  -7.607574  8.342136 136
2:     depuy -11.686389 13.743241 108
[1] "p_val"
[1] 0.007367987


5Y. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 9.294627 16.61280 134
2:     depuy 9.118571 17.91129 105
[1] "p_val"
[1] 0.9380241


RLL tests
preop vs 6w p-value
2.569608e-22
6w vs 2y p-value
0.8065577

6w vs 5y p-value
0.01269021
2y vs 5y p-value
0.03625756

Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 26.79206 18.90093 671
2:     depuy 25.74227 17.18257 578
[1] "p_val"
[1] 0.3042337


6W. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 20.38339 13.12953 596
2:     depuy 20.78461 12.80033 508
[1] "p_val"
[1] 0.6080831


6W. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.488419 14.49564 582
2:     depuy -5.194858 12.85741 492
[1] "p_val"
[1] 0.1215857
```

```
2Y. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 21.74148 14.82648 364
2:     depuy 22.95066 13.66316 303
[1] "p_val"
[1] 0.2740374


2Y. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.472331 12.01913 356
2:     depuy -4.982457 12.51984 289
[1] "p_val"
[1] 0.6150852


5Y. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 24.06000 16.42172 136
2:     depuy 24.84722 14.79414 108
[1] "p_val"
[1] 0.694562


5Y. Global Tilt_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.5811278 12.54261 133
2:     depuy -4.0728155 13.11110 103
[1] "p_val"
[1] 0.03987225


Global Tilt tests
preop vs 6w p-value
1.105323e-18
6w vs 2y p-value
0.01116087

6w vs 5y p-value
0.000423094
2y vs 5y p-value
0.06570454

T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.523356 6.274839 669
2:     depuy -1.444341 5.716108 564
[1] "p_val"
```

```
[1] 0.8171891


6W. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.639741 4.435440 590
2:     depuy -2.842739 4.118429 500
[1] "p_val"
[1] 0.002172613


6W. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.152370 5.914496 573
2:     depuy -1.663291 5.290167 471
[1] "p_val"
[1] 0.1591036


2Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.516788 4.550348 361
2:     depuy -2.780964 4.594274 298
[1] "p_val"
[1] 0.04027128


2Y. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.186717 5.486601 351
2:     depuy -1.800065 5.970759 276
[1] "p_val"
[1] 0.4046266


5Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.147464 6.883943 136
2:     depuy -2.804955 4.481920 108
[1] "p_val"
[1] 0.639854


5Y. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -0.256562 7.158348 132
2:     depuy -1.590869 5.835301 100
[1] "p_val"
```

```
[1] 0.1194172


T1 Sagittal Tilt tests
preop vs 6w p-value
1.932362e-16
6w vs 2y p-value
0.6837244

6w vs 5y p-value
0.4889125
2y vs 5y p-value
0.654123

Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 8.748074 22.15590 675
2:     depuy 8.726948 20.04044 580
[1] "p_val"
[1] 0.9858568


6W. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.339323 14.33571 591
2:     depuy 6.085481 12.10950 489
[1] "p_val"
[1] 0.03023791


6W. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean      sd   N
1: non-depuy -4.478086 20.6670 580
2:     depuy -3.460698 18.3898 473
[1] "p_val"
[1] 0.3985908


2Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.835331 14.02551 362
2:     depuy 8.148125 13.27101 304
[1] "p_val"
[1] 0.02941224


2Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.383754 20.73270 357
```

```
2:     depuy -3.214203 18.20509 295
[1] "p_val"
[1] 0.9115437


5Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.703088 13.78643 136
2:     depuy 8.327143 14.09890 105
[1] "p_val"
[1] 0.1494406


5Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -7.926716 21.03749 134
2:     depuy -4.740000 19.69049 104
[1] "p_val"
[1] 0.2306805


Thoracolumbar L2-T10 tests
preop vs 6w p-value
6.723832e-07
6w vs 2y p-value
0.008678556

6w vs 5y p-value
0.08293567
2y vs 5y p-value
0.9659049

RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 15.15920 16.61581 671
2:     depuy 14.06993 15.28143 578
[1] "p_val"
[1] 0.2279596


6W. RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 9.116544 10.36852 596
2:     depuy 9.226516 10.20880 508
[1] "p_val"
[1] 0.859453


6W. RSA_gain
[1] "stats"
```

```
        type      mean       sd   N
1: non-depuy -6.091993 14.00612 582
2:     depuy -5.110508 12.41165 492
[1] "p_val"
[1] 0.2237884


2Y. RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 10.28005 12.04030 364
2:     depuy 11.02317 11.75875 303
[1] "p_val"
[1] 0.4217788


2Y. RSA_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.301039 11.40366 356
2:     depuy -4.898512 11.83237 289
[1] "p_val"
[1] 0.6625063


5Y. RSA
[1] "stats"
        type      mean       sd   N
1: non-depuy -11.97301 14.38308 136
2:     depuy  13.23917 12.44046 108
[1] "p_val"
[1] 3.225469e-35


5Y. RSA_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -26.454662 25.32747 133
2:     depuy  -3.786699 12.71701 103
[1] "p_val"
[1] 2.005282e-16


RSA tests
preop vs 6w p-value
4.87879e-23
6w vs 2y p-value
0.009133841

6w vs 5y p-value
1.087885e-14
2y vs 5y p-value
1.857739e-17
```

```
RPV
[1] "stats"
        type      mean        sd   N
1: non-depuy -8.409660 10.277530 676
2:     depuy -7.527563  9.208536 591
[1] "p_val"
[1] 0.1073873


6W. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.869851 7.861553 603
2:     depuy -5.757193 7.726982 545
[1] "p_val"
[1] 0.8067711


6W. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.579375 8.605541 592
2:     depuy 1.808197 7.576640 538
[1] "p_val"
[1] 0.1094848


2Y. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.360767 8.293014 365
2:     depuy -6.634344 8.008375 320
[1] "p_val"
[1] 0.6610005


2Y. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.338774 7.079664 359
2:     depuy 1.743003 6.820266 313
[1] "p_val"
[1] 0.2675241


5Y. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy 63.100441 7.906534 136
2:     depuy -8.339167 8.023281 108
[1] "p_val"
[1] 1.511071e-155
```

```
5Y. RPV_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 71.912239 13.221006 134
2:     depuy  1.203238  8.095129 105
[1] "p_val"
[1] 1.976933e-125


RPV tests
preop vs 6w p-value
1.384848e-09
6w vs 2y p-value
0.0829016

6w vs 5y p-value
9.309859e-40
2y vs 5y p-value
1.070154e-40
```

Quality of Life

```
ODI - Score (%)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 39.52065 21.38889 678
2:     depuy 39.73196 19.95702 582
[1] "p_val"
[1] 0.8561951


6M. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 28.10747 18.75586 549
2:     depuy 29.08298 17.85847 470
[1] "p_val"
[1] 0.3959234


6M. ODI - Score (%)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -11.09280 20.14230 528
2:     depuy -11.86283 18.30812 452
[1] "p_val"
[1] 0.5310362


2Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 26.99296 20.38344 426
```

```
2:     depuy 28.55474 19.91883 411
[1] "p_val"
[1] 0.2625658


2Y. ODI - Score (%)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -12.21622 19.12063 407
2:     depuy -12.10513 17.10851 390
[1] "p_val"
[1] 0.93108


5Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 28.65534 22.55946 206
2:     depuy 28.62857 20.29673 210
[1] "p_val"
[1] 0.9898615


5Y. ODI - Score (%)_gain
[1] "stats"
        type       mean      sd   N
1: non-depuy  -9.437811 19.6239 201
2:     depuy -11.801020 17.2370 196
[1] "p_val"
[1] 0.2028267


ODI - Score (%)_First Visit tests
preop vs 6m p-value
5.391917e-40
6m vs 2y p-value
0.3773594

6m vs 5y p-value
0.9438069
2y vs 5y p-value
0.4842877

SRS22 - Function / Activity_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.150868 0.9756378 680
2:     depuy 3.105685 0.9075703 584
[1] "p_val"
[1] 0.3942003


6M. SRS22 - Function / Activity
[1] "stats"
```

```
        type     mean        sd   N
1: non-depuy 3.327644 0.8230335 556
2:     depuy 3.247155 0.8145752 471
[1] "p_val"
[1] 0.1166482
```

```
6M. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.1737963 0.8831941 540
2:     depuy 0.2070330 0.8150829 455
[1] "p_val"
[1] 0.5375773
```

```
2Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.580117 0.9406210 428
2:     depuy 3.423479 0.9259905 411
[1] "p_val"
[1] 0.01528878
```

```
2Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4470732 0.8668244 410
2:     depuy 0.3738847 0.7811998 399
[1] "p_val"
[1] 0.2072376
```

```
5Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.516459 1.0237637 209
2:     depuy 3.443810 0.8750796 210
[1] "p_val"
[1] 0.4354767
```

```
5Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.3661576 0.8958115 203
2:     depuy 0.4410000 0.7233910 200
[1] "p_val"
[1] 0.3563873
```

```
SRS22 - Function / Activity_First Visit tests
preop vs 6m p-value
```

```
1.370671e-05
6m vs 2y p-value
2.775275e-07

6m vs 5y p-value
0.0003854463
2y vs 5y p-value
0.680345

SRS22 - Pain_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.670029 1.0338565 680
2:     depuy 2.595291 0.9918463 584
[1] "p_val"
[1] 0.190534


6M. SRS22 - Pain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.357968 0.9497440 556
2:     depuy 3.329788 0.9676209 471
[1] "p_val"
[1] 0.6391717


6M. SRS22 - Pain_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.6893333 1.0343083 540
2:     depuy 0.8011868 0.9794244 455
[1] "p_val"
[1] 0.08058301


2Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.489089 1.075927 428
2:     depuy 3.421071 1.063229 411
[1] "p_val"
[1] 0.3573607


2Y. SRS22 - Pain_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 0.8313171 1.042870 410
2:     depuy 0.9084962 1.000386 399
[1] "p_val"
[1] 0.2829929
```

```
5Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.367129 1.130210 209
2:     depuy 3.349286 1.128062 210
[1] "p_val"
[1] 0.8715918


5Y. SRS22 - Pain_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 0.7371429 1.058058 203
2:     depuy 0.8425500 1.057875 200
[1] "p_val"
[1] 0.3179036


SRS22 - Pain_First Visit tests
preop vs 6m p-value
3.623896e-62
6m vs 2y p-value
0.01987602

6m vs 5y p-value
0.8339831
2y vs 5y p-value
0.1416273

SRS22 - Self image / Appearance_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.367044 0.8094368 680
2:     depuy 2.452877 0.7294202 584
[1] "p_val"
[1] 0.04764597


6M. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.480612 0.8259991 556
2:     depuy 3.454756 0.8479938 471
[1] "p_val"
[1] 0.6223315


6M. SRS22 - Self image / Appearance_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.112148 0.9966680 540
2:     depuy 1.054857 0.9303848 455
[1] "p_val"
[1] 0.3492152
```

```
2Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.533341 0.8819662 428
2:     depuy 3.416107 0.9088572 411
[1] "p_val"
[1] 0.05843696


2Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.213537 0.9670462 410
2:     depuy 1.008296 0.9585784 399
[1] "p_val"
[1] 0.002511788


5Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.378708 0.9939668 209
2:     depuy 3.339762 0.9384031 210
[1] "p_val"
[1] 0.6802917


5Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.057635 0.9808071 203
2:     depuy 0.948350 0.9058863 200
[1] "p_val"
[1] 0.245841


SRS22 - Self image / Appearance_First Visit tests
preop vs 6m p-value
1.110195e-176
6m vs 2y p-value
0.8596549

6m vs 5y p-value
0.04246688
2y vs 5y p-value
0.03889158

SRS22 - Mental health_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.125662 0.8938093 680
2:     depuy 3.221284 0.8912548 584
```

```
[1] "p_val"
[1] 0.05777136


6M. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.494424 0.7983911 556
2:     depuy 3.518450 0.9015841 471
[1] "p_val"
[1] 0.6540432


6M. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.3265741 0.8429355 540
2:     depuy 0.3501758 0.8243278 455
[1] "p_val"
[1] 0.6562053


2Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.513598 0.8577478 428
2:     depuy 3.514039 0.9601993 411
[1] "p_val"
[1] 0.9944144


2Y. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.3743171 0.8966897 410
2:     depuy 0.3413283 0.8771024 399
[1] "p_val"
[1] 0.5969675


5Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.479187 0.9471540 209
2:     depuy 3.521905 0.8993997 210
[1] "p_val"
[1] 0.6362104


5Y. SRS22 - Mental health_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 0.408867 0.8954617 203
2:     depuy 0.341750 0.8429545 200
```

```
[1] "p_val"
[1] 0.4388847


SRS22 - Mental health_First Visit tests
preop vs 6m p-value
7.831231e-20
6m vs 2y p-value
0.8383352

6m vs 5y p-value
0.9261275
2y vs 5y p-value
0.8098755

SRS22 - SRS Subtotal score_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.829779 0.7580786 680
2:     depuy 2.848065 0.6986587 584
[1] "p_val"
[1] 0.6556755


6M. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.417374 0.7008023 556
2:     depuy 3.382076 0.7518066 472
[1] "p_val"
[1] 0.4392329


6M. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.5755185 0.7280061 540
2:     depuy 0.5922149 0.6806908 456
[1] "p_val"
[1] 0.7088046


2Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.530561 0.7990188 428
2:     depuy 3.444015 0.8409511 411
[1] "p_val"
[1] 0.1271437


2Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
```

```
1: non-depuy 0.7174146 0.7359890 410
2:     depuy 0.6530075 0.7069088 399
[1] "p_val"
[1] 0.2045971


5Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.435789 0.9051214 209
2:     depuy 3.398436 0.8737467 211
[1] "p_val"
[1] 0.667249


5Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.6428571 0.7570374 203
2:     depuy 0.6200995 0.7341185 201
[1] "p_val"
[1] 0.7591997


SRS22 - SRS Subtotal score_First Visit tests
preop vs 6m p-value
1.252354e-70
6m vs 2y p-value
0.0164631

6m vs 5y p-value
0.7458202
2y vs 5y p-value
0.1699739

SRS22 - Satisfaction with management_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.929012 1.102863 324
2:     depuy 3.077381 1.064434 420
[1] "p_val"
[1] 0.06515641


6M. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.142987 0.8786036 549
2:     depuy 4.233261 0.8861705 463
[1] "p_val"
[1] 0.1053837


6M. SRS22 - Satisfaction with management_gain
```

```
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.112205 1.307552 254
2:     depuy 1.145367 1.286189 313
[1] "p_val"
[1] 0.7623674


2Y. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.138955 0.9400116 421
2:     depuy 4.128429 1.0007946 401
[1] "p_val"
[1] 0.8766597


2Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 1.0029940 1.380258 167
2:     depuy 0.9963235 1.295032 272
[1] "p_val"
[1] 0.9598988


5Y. SRS22 - Satisfaction with management
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.932039 1.085489 206
2:     depuy 3.959135 1.040027 208
[1] "p_val"
[1] 0.7955402


5Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type  mean       sd   N
1: non-depuy 0.900 1.317550  65
2:     depuy 0.868 1.241331 125
[1] "p_val"
[1] 0.8715966


SRS22 - Satisfaction with management_First Visit tests
preop vs 6m p-value
2.979574e-108
6m vs 2y p-value
0.248794

6m vs 5y p-value
6.028687e-05
2y vs 5y p-value
0.002559451
```

```
SF36 - PCS_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 37.05776  9.877397 603
2:     depuy 35.83870 10.239275 555
[1] "p_val"
[1] 0.03976692


6M. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 40.97673 9.392435 496
2:     depuy 40.34817 9.564251 454
[1] "p_val"
[1] 0.3077348


6M. SF36 - PCS_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.996030 10.163743 466
2:     depuy 4.765184  9.964172 434
[1] "p_val"
[1] 0.2520921


2Y. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.68176 10.55637 403
2:     depuy 41.65167 10.51772 403
[1] "p_val"
[1] 0.1656166


2Y. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.449676 9.877147 370
2:     depuy 6.266117 9.315118 385
[1] "p_val"
[1] 0.2433913


5Y. SF36 - PCS
[1] "stats"
        type     mean      sd   N
1: non-depuy 42.22908 11.2609 163
2:     depuy 40.74315 11.3110 203
[1] "p_val"
[1] 0.2113476
```

```
5Y. SF36 - PCS_gain
[1] "stats"
        type    mean       sd   N
1: non-depuy 4.62013 10.42844 154
2:     depuy 5.77288 10.33855 191
[1] "p_val"
[1] 0.3063115


SF36 - PCS_First Visit tests
preop vs 6m p-value
2.089917e-22
6m vs 2y p-value
0.002025484

6m vs 5y p-value
0.2742589
2y vs 5y p-value
0.2752116

SF36 - MCS_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.24614 12.13481 603
2:     depuy 44.07714 12.60726 555
[1] "p_val"
[1] 0.01208482


6M. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.56333 10.91647 496
2:     depuy 47.69998 12.87508 454
[1] "p_val"
[1] 0.1444043


6M. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.220579 12.07457 466
2:     depuy 4.144447 12.20188 434
[1] "p_val"
[1] 0.9251275


2Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.80261 11.25410 403
2:     depuy 47.64317 12.66176 403
[1] "p_val"
```

```
[1] 0.3195056
```

```
2Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.478838 12.66091 370
2:     depuy 3.714827 12.39742 385
[1] "p_val"
[1] 0.4026481
```

```
5Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 47.10227 11.97692 163
2:     depuy 47.39961 11.32544 204
[1] "p_val"
[1] 0.808875
```

```
5Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.556883 13.29331 154
2:     depuy 3.585313 11.73617 192
[1] "p_val"
[1] 0.1498296
```

```
SF36 - MCS_First Visit tests
preop vs 6m p-value
9.130254e-14
6m vs 2y p-value
0.8387985

6m vs 5y p-value
0.8226955
2y vs 5y p-value
0.9517762
```

Surgery

```
Total Operative Blood Loss st1+st2+st3
[1] "stats"
        type     mean        sd   N
1: non-depuy 1085.569  986.0179 617
2:     depuy 1212.258 1093.9438 596
[1] "p_val"
[1] 0.03452643
```

```
Total surgical time
```

```
[1] "stats"
        type     mean       sd   N
1: non-depuy 310.4316 192.3016 702
2:     depuy 321.9058 182.7838 605
[1] "p_val"
[1] 0.2695349


Number of Posterior Instrumented Levels
[1] "stats"
        type     mean       sd   N
1: non-depuy 9.826025 4.183402 707
2:     depuy 8.079208 3.922429 606
[1] "p_val"
[1] 1.25398e-14


Pelvic fixation
[1] "table_depuy"

 No Yes
385 200
[1] "proportion_depuy"

       No       Yes
0.6581197 0.3418803
[1] "table_nondepuy"

Yes
708
[1] "proportion_nondepuy"

Yes
  1
[1] "p_val_Yes"
[1] 7.469994e-151
[1] "p_val_No"
[1] 1.92725e-139
[1] "p_val_NA"
[1] NaN


Surgical Approach
[1] "table_depuy"

                    Anterior           Anterior-Posterior
                           1                           17
Anterior-Posterior-Posterior                    Posterior
                           2                          557
          Posterior-Anterior Posterior-Anterior-Posterior
                           8                            3
         Posterior-Posterior
                           6
[1] "proportion_depuy"
```

```
                   Anterior           Anterior-Posterior
                0.001683502                  0.028619529
Anterior-Posterior-Posterior                    Posterior
                0.003367003                  0.937710438
          Posterior-Anterior Posterior-Anterior-Posterior
                0.013468013                  0.005050505
         Posterior-Posterior
                0.010101010
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)


Number of Interbody Fusions
[1] "stats"
        type      mean        sd   N
1: non-depuy 1.6140940 0.8094992 298
2:     depuy 0.9565217 1.1980369 598
[1] "p_val"
[1] 4.091223e-21


Decompression
[1] "table_depuy"

 No Yes
382 225
[1] "proportion_depuy"

       No       Yes
0.6293245 0.3706755
[1] "table_nondepuy"

 No Yes
526 182
[1] "proportion_nondepuy"

       No       Yes
0.7429379 0.2570621
[1] "p_val_No"
[1] 1.170375e-05
[1] "p_val_Yes"
[1] 1.170375e-05


Interbody Fusion
[1] "table_depuy"

 No Yes
302 305
[1] "proportion_depuy"
```

```
       No       Yes
0.4975288 0.5024712
[1] "table_nondepuy"

 No Yes
410 298
[1] "proportion_nondepuy"

      No      Yes
0.579096 0.420904
[1] "p_val_No"
[1] 0.003686573
[1] "p_val_Yes"
[1] 0.003686573


Osteotomy
[1] "table_depuy"

 No Yes
334 273
[1] "proportion_depuy"

       No       Yes
0.5502471 0.4497529
[1] "table_nondepuy"

 No Yes
388 320
[1] "proportion_nondepuy"

       No       Yes
0.5480226 0.4519774
[1] "p_val_No"
[1] 0.9798677
[1] "p_val_Yes"
[1] 0.9798677


3CO
[1] "table_depuy"

FALSE  TRUE
  514    71
[1] "proportion_depuy"

    FALSE      TRUE
0.8786325 0.1213675
[1] "table_nondepuy"

FALSE  TRUE
  393   312
[1] "proportion_nondepuy"
```

```
    FALSE      TRUE
0.5574468 0.4425532
[1] "p_val_FALSE"
[1] 8.354817e-30
[1] "p_val_TRUE"
[1] 1.278558e-37
[1] "p_val_NA"
[1] NaN


uiv_t10_12_l1
[1] "table_depuy"

 No Yes
557  50
[1] "proportion_depuy"

        No        Yes
0.91762768 0.08237232
[1] "table_nondepuy"

 No Yes
671  37
[1] "proportion_nondepuy"

        No        Yes
0.94774011 0.05225989
[1] "p_val_No"
[1] 0.03763463
[1] "p_val_Yes"
[1] 0.03763463
```