A graph with numbers and symbols

Description automatically generated

A graph with numbers and symbols

Description automatically generated

PFS缩到0-0.4

上下拼 ab

字加粗

A screenshot of a graph

Description automatically generated

A diagram of pain and insomnia

Description automatically generated

字左边移动 不和bar重合

放大字体

A graph showing the amount of relapse

Description automatically generated

上下拼

A screenshot of a graph

Description automatically generated

A diagram of a hazard ratio heatmap

Description automatically generated

字加大加粗 x轴 y轴 ( a)

A graph with red and white dots

Description automatically generated

Select： PF2, RF2, AP,dyspnea。2x2

title：symptom全称 ；字放大加粗 bcde

A screenshot of a cell phone screen

Description automatically generated

A graph showing the number of patients with tumor growth

Description automatically generated （a） 横轴左边加粗 HR缩写去掉 不用 title

A graph of a normal body fat

Description automatically generated with medium confidence

字加大加粗 轴数字和label。

改：Tumor nadir ratio cutoff

A graph showing the number of patients

Description automatically generated2x2

加risk table 字放大加粗

A collage of graphs and charts

Description automatically generated

Figure 5

Machine learning

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1997 | 2000 | 2001 | 2004 | total |
| AGE | 49 (23, 70) | 50 (22, 74) | 52 (30, 83) | 53 (30, 76) | 50 (22, 83) |
| SEX |  |  |  |  |  |
| Female | 746 (100%) | 1649(100%) | 227(100%) | 217(100%) | 2839 |
| STAGE |  |  |  |  |  |
| II | 383(51.3%) | 1641 (99.5%) | 0 | 0 | 2024 |
| III | 46(6.2%) | 3 (0.2%) | 0 | 6 (2.8%) | 55 |
| IV | 317(42.5%) | 3 (0.2%) | 227 (100.0%) | 211 (97.2%) | 759 |
| Missing data | 0(0%) | 1 (0.1%) | 0 | 0 | 1 |
| RACE |  |  |  |  |  |
| WHITE | 646 (86.6%) | 0 | 220 (96.9%) | 164 (75.6%) | 1030 |
| BLACK OR AFRICAN AMERICAN | 11(1.5%) | 0 | 5(2.2%) | 0 | 16 |
| ASIAN / PACIFIC ISLANDE | 38 (5.1%) | 0 | 0 | 0 | 38 |
| OTHER | 0 | 0 | 2 (0.9%) | 53(24.4%) | 55 |
| Missing data | 51(6.8%) | 1649(100%) | 0 | 0 | 1700 |
| ARM |  |  |  |  |  |
| ACT | 0 | 1649(100%) | 0 | 0 | 1649 |
| capecitabine | 0 | 0 | 0 | 217(100%) | 217 |
| FAC | 746(100%) | 0 | 0 | 0 | 746 |
| TAXOL | 0 | 0 | 227(100%) | 0 | 227 |
| EMPLOY |  |  |  |  |  |
| FullTimeEmployed | 0 | 639 (38.8%) | 0 | 11 (5.1%) | 650 |
| Other | 0 | 68(4.1%) | 0 | 9(4.1%) | 77 |
| Retired | 0 | 152(9.2%) | 0 | 20 (9.2%) | 172 |
| Unemployed | 0 | 281(17.0%) | 0 | 29 (13.4%) | 310 |
| Missing data | 746 (100.0%) | 509(30.9%) | 227(100.0%) | 148(68.2%) | 1630 |
| MENOS |  |  |  |  |  |
| postmenopausal | 251(33.6%) | 0 | 37(16.3%) | 0 | 228 |
| premenopausal | 359 (48.1%) | 744 (45.1%) | 38 (16.7%) | 56 (25.8%) | 197 |
| other | 136 (18.2%) | 905 (54.9%) | 152 (67.0%) | 128 (59.0%) | 1321 |
| Missing data | 0 | 0 | 0 | 33(15.2%) | 33 |
| LESION1 | 3.0 (1.0, 30.0) |  | 2.0 (1.0, 11.0) | 13.0 (1.0, 85.0) | 3.0 (1.0, 85.0) |
| ECOG |  |  |  |  |  |
| 0 | 573 (76.8%) | 1613 (97.8%) | 84 (37.0%) | 105 (48.4%) | 2375 |
| 1 | 173 (23.2%) | 36 (2.2%) | 137 (60.4%) | 90 (41.5%) | 436 |
| 2-3 | 0 | 0 | 5 (2.2%) | 20 (9.2%) | 25 |
| Missing data | 0 | 0 | 1 (0.4%) | 2 (0.9%) | 3 |
| CHEMO |  |  |  |  |  |
| Y | 0 | 0 | 164 (72.2%) | 213(98.2%) | 377 |
| N | 746(100%) | 0 | 62 (27.3%) | 0 | 808 |
| Missing data | 0 | 1649(100%) | 1(0.4%) | 4(1.8%) | 1654 |
| SURGERY |  |  |  |  |  |
| Y | 746 (100.0%) | 233 (14.1%) | 152 (67.0%) | 208 (95.9%) | 1339 |
| N | 0 | 1416(85.9%) | 0 | 9(4.1%) | 1425 |
| Missing data | 0 | 0 | 75 (33.0%) | 0 | 75 |
| RADIO |  |  |  |  |  |
| Y | 3 (0.4%) | 8 (0.5%) | 135 (59.5%) | 180 (82.9%) | 326 |
| N | 743 (99.6%) | 1641 (99.5%) | 0 | 37 (17.1%) | 2421 |
| Missing data | 0 | 0 | 92(40.5%) | 0 | 92 |
| HORMON |  |  |  |  |  |
| Y | 2(0.3%) | 0 | 105 (46.3%) | 117 (53.9%) | 881 |
| N | 744(99.7%) | 0 | 122 (53.7%) | 15 (6.9%) | 224 |
| Missing data | 0 | 1649(100%) | 0 | 85 (39.2%) | 1734 |
| ERS |  |  |  |  |  |
| POSITIVE | 407 (54.6%) | 1222 (74.1%) | 44 (19.4%) | 123 (56.7%) | 1796 |
| NEGATIVE | 233 (31.2%) | 344 (20.9%) | 59 (26.0%) | 82 (37.8%) | 718 |
| Missing data | 106 (14.2%) | 83 (5.0%) | 124 (54.6%) | 12 (5.5%) | 325 |
| PGRS |  |  |  |  |  |
| POSITIVE | 354 (47.5%) | 1056 (64.0%) | 24 (10.6%) | 87 (40.1%) | 1521 |
| NEGATIVE | 257 (34.5%) | 467 (28.3%) | 52 (22.9%) | 101 (46.5%) | 877 |
| Missing data | 135 (18.1%) | 126 (7.6%) | 151 (66.5%) | 29 (13.4%) | 441 |
| HER2 |  |  |  |  |  |
| POSITIVE | 164 (22.0%) | 2 (0.1%) | 0 | 19(8.8%) | 185 |
| NEGATIVE | 468 (62.7%) | 1647 (99.9%) | 0 | 55 (25.3%) | 2170 |
| Missing data | 114 (15.3%) | 0 | 227 (100.0%) | 143 (65.9%) | 484 |
| MHDEPRESSION |  |  |  |  |  |
| Y | 20(2.7%) | 62 (3.8%) | 12(5.3%) | 17(7.8%) | 111 |
| N | 582 (78.0%) | 0 | 171 (75.3%) | 200 (92.2%) | 953 |
| Missing data | 144(19.3%) | 1587(96.2%) | 44 (19.4%) | 0 | 1775 |
| MDANXIETY |  |  |  |  |  |
| Y | 7 (0.9%) | 33 (2.0%) | 4 (1.8%) | 14 (6.5%) | 58 |
| N | 595 (79.8%) | 0 | 179 (78.8%) | 203 (93.5%) | 977 |
| Missing data | 144 (19.3%) | 1616(98%) | 44 (19.4%) | 0 | 1804 |
| HEIGHT | 161.0 (140.0, 198.0) | 162.6 (138.0, 185.0) | 162.0 (145.0, 178.0) | 160.0 (138.0, 183.0) | 162.0 (138.0, 198.0) |
| WEIGHT | 68.0 (43.0, 163.6) | 68.0 (37.0, 125.0) | 68.0 (40.0, 106.2) | 66.0 (37.0, 122.9) | 68.0 (37.0, 163.6) |
| DTHDY | 3704.0 (0.0, 4233.3) | 1662.5 (105.0, 4046.0) | 216.0 (-307.0, 425.0) | 193.5 (-12.0, 791.0) | 2156.0 (-307.0, 4233.3) |
| DTH |  |  |  |  |  |
| 0 | 502 (67.3%) | 0 | 5 (2.2%) | 122 (56.2%) | 629 |
| 1 | 244 (32.7%) | 319 (19.3%) | 84 (37.0%) | 93 (42.9%) | 740 |
| Missing data | 0 | 1330 (80.7%) | 138 (60.8%) | 2 (0.9%) | 1470 |
| PFSDY | 3354.1 (0.0, 4120.9) | 1282.0 (41.0, 4028.0) | 84.0 (-307.0, 422.0) | 98.0 (1.0, 432.0) | 1351.3 (-307.0, 4120.9) |
| PFS |  |  |  |  |  |
| 0 | 476 (63.8%) | 0 | 6 (2.6%) | 54 (24.9%) | 536 |
| 1 | 270 (36.2%) | 457 (27.7%) | 83 (36.6%) | 161 (74.2%) | 971 |
| Missing data | 0 | 1192 (72.3%) | 138 (60.8%) | 2 (0.9%) | 1332 |

TABLE 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1997 | 2000 | 2001 | 2004 | total |
| TTFD10\_AP | 148 (-60, 1796) | 176 (-28, 1309) | 74 (-322, 345) | 57 (-12, 510) | 140 (-322, 1796) |
| TTFD10\_AP non-censored | 344 (46.8%) | 758 (48.5%) | 80 (35.4%) | 93 (43.7%) | 1275 |
| TTFD10\_CO | 310 (-60, 1796) | 282 (-28, 2766) | 96 (-322, 345) | 71 (-12, 504) | 170 (-322, 2766) |
| TTFD10\_CO non-censored | 331 (45.0%) | 716 (45.8%) | 47 (20.8%) | 77 (36.2%) | 1171 |
| TTFD10\_DI | 492 (-60, 1796) | 378 (-28, 2730) | 106 (-322, 345) | 50 (-12, 440) | 230 (-322, 2730) |
| TTFD10\_DI non-censored | 220 (29.9%) | 586 (37.5%) | 39 (17.3%) | 101 (47.4%) | 946 |
| TTFD10\_DY | 312 (-60, 1718) | 179 (-28, 1302) | 72 (-322, 345) | 85 (-12, 510) | 170 (-322, 1718) |
| TTFD10\_DY non-censored | 330 (44.9%) | 858 (54.9%) | 85 (37.6%) | 78 (36.6%) | 1351 |
| TTFD10\_FA | 312 (-60, 1718) | 179 (-28, 1302) | 72 (-322, 345) | 85 (-12, 510) | 170 (-322, 1718) |
| TTFD10\_FA non-censored | 512 (69.7%) | 1170 (74.9%) | 131 (58.0%) | 132 (62.0%) | 1945 |
| TTFD10\_FI | 380 (-60, 1796) | 386 (-15, 1633) | 98 (-322, 345) | 88 (-12, 510) | 246 (-322, 1796) |
| TTFD10\_FI non-censored | 240 (32.7%) | 598 (38.3%) | 56 (24.8%) | 44 (20.7%) | 938 |
| TTFD10\_GHS | 134 (-60, 1796) | 150 (-250, 1402) | 72 (-322, 345) | 49 (-12, 510) | 132 (-322, 1796) |
| TTFD10\_GHS non-censored | 389 (53.1%) | 930 (59.5%) | 100 (44.2%) | 104 (48.8%) | 1523 |
| TTFD10\_NV | 95 (-60, 1241) | 140 (-28, 2730) | 92 (-322, 345) | 44 (-12, 440) | 109 (-322, 2730) |
| TTFD10\_NV non-censored | 436 (59.4%) | 836 (53.5%) | 66 (29.2%) | 108 (50.7%) | 1446 |
| TTFD10\_PA | 315 (-60, 1796) | 175 (-28, 1402) | 68 (-322, 345) | 60 (-12, 510) | 151 (-322, 1796) |
| TTFD10\_PA non-censored | 328 (44.7%) | 896 (57.4%) | 102 (45.1%) | 108 (50.7%) | 1434 |
| TTFD10\_SL | 176 (-60, 1796) | 182 (-28, 1402) | 77 (-322, 345) | 71 (-12, 510) | 154 (-322, 1796) |
| TTFD10\_SL non-censored | 367 (50.0%) | 846 (54.1%) | 77 (34.1%) | 73 (34.4%) | 1363 |
| TTFD10\_PF2 | 486 (-60, 1718) | 544 (-28, 2766) | 94 (-322, 345) | 71 (-12, 510) | 382 (-322, 2766) |
| TTFD10\_PF2 non-censored | 196 (26.7%) | 364 (23.3%) | 43 (19.0%) | 60 (28.3%) | 663 |
| TTFD10\_RF2 | 298 (-60, 1718) | 358 (-28, 2766) | 73 (-322, 307) | 71 (-12, 510) | 182 (-322, 2766) |
| TTFD10\_RF2 non-censored | 329 (44.8%) | 715 (45.8%) | 74 (32.7%) | 68 (31.9%) | 1186 |
| TTFD10\_EF | 155 (-60, 1042) | 353 (-28, 2766) | 72 (-322, 345) | 49 (-12, 401) | 176 (-322, 2766) |
| TTFD10\_EF non-censored | 383 (52.3%) | 759 (48.6%) | 69 (30.5%) | 91 (43.1%) | 1302 |
| TTFD10\_CF | 420 (-60, 1796) | 535 (-28, 2766) | 76 (-322, 345) | 52 (-12, 510) | 349 (-322, 2766) |
| 4TTFD10\_CF non-censored | 240 (32.7%) | 495 (31.7%) | 64 (28.3%) | 74 (34.9%) | 873 |
| TTFD10\_SF | 322 (-60, 1718) | 365 (-28, 2730) | 89 (-322, 345) | 57 (-12, 454) | 266 (-322, 2730) |
| TTFD10\_SF non-censored | 309 (42.8%) | 705 (45.1%) | 57 (25.3%) | 78 (37.0%) | 1149 |

Figure6 flowchart