**Rezultati**

Statistics were calculated using the R software [REF]. We set the significance threshold to 0.05 (). Values are summarized with their mean value or with percentages where applicable, for uncertainty estimation we used the standard deviation (SD). When we could not simply calculate the SD from the sample (e.g., when working with group level proportions) we used bootstraping to estimate the uncertainty.

When comparing proportions between groups we used the proportions test. The Wilcoxon test was used when working with paired samples, while the Mann-Whitney test was used when working with independent samples. For survival analysis we used the Kaplan-Meier estimator.

*REF = R Core Team (2021). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL https://www.R-project.org/.*

**1. Demografski podatki**

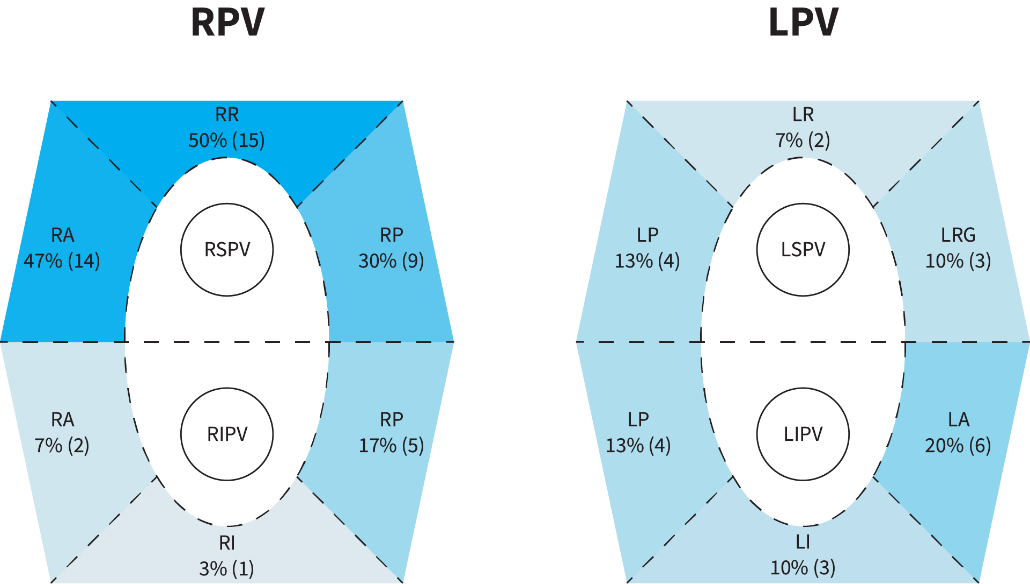
|  |  |  |  |
| --- | --- | --- | --- |
|  | **close** | **high density** | **p** |
| **age** | 63.05 ± 11.25 | 61.56 ± 9.6 | 0.44 |
| **gender** | 50 ± 9.2% male | 66.67 ± 8.67% male | 0.29 |
| **bmi** | 29.69 ± 5.74 | 27.88 ± 4.4 | 0.4 |
| **la\_volume\_index** | 39.87 ± 11.4 | 39.1 ± 10.21 | 0.54 |
| **la\_size** | 41.1 ± 4.13 | 41.2 ± 6.05 | 0.92 |
| **lvedvi** | 60.6 ± 7.68 | 58.89 ± 8.26 | 0.71 |
| **anticoagulant** | 83 ± 6.83% | 80 ± 7.3% | 1 |
| **probnp** | 255.21 ± 169.69 | 313.9 ± 494.2 | 0.27 |
| **chf** | 3.33 ± 3.27% | 3.33 ± 3.3% | 1 |
| **hypertension\_history** | 56.67 ± 8.97% | 43.33 ± 9.05% | 0.44 |
| **age\_75** | 13.33 ± 6.21% | 3.33 ± 3.24% | 0.35 |
| **diabetes\_history** | 13.33 ± 6.2% | 10 ± 5.49% | 1 |
| **vascular\_disease** | 10 ± 5.45% | 3.33 ± 3.25% | 0.6 |
| **age\_65\_74** | 50 ± 9.22% | 36.67 ± 8.7% | 0.6 |
| **cha2ds2vasc** | 2 ± 1.46 | 1.3 ± 1.05 | 0.05 |

**2. Proceduralni podatki**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **close** | **high density** | **p** |
| **skin\_skin\_time** | 131.47 ± 27.06 | 144.87 ± 23.91 | 0.05 |
| **la\_dwell\_time** | 114.47 ± 22.63 | 125.8 ± 20.77 | **0.04** |
| **ablation\_time** | 29.44 ± 7.9 | 31.47 ± 8.6 | 0.44 |
| **ablation\_time\_hd** | / | 2.34 ± 2.18 | / |
| **hd\_map\_time** | / | 20.33 ± 7.09 | / |
| **numer\_of\_rf\_lesions\_pvi** | 89.7 ± 20.26 | 89.07 ± 19.92 | 0.89 |
| **additional\_lesions\_hd** | / | 7 ± 6.83 | / |
| **first\_pass\_rspv** | 76.67 ± 7.76% | 86.68 ± 6.19% | 0.5 |
| **first\_pass\_ripv** | 83.33 ± 6.78% | 90 ± 5.4% | 0.7 |
| **first\_pass\_lspv** | 83.33 ± 6.79% | 96.67 ± 3.27% | 0.19 |
| **first\_pass\_lipv** | 100% | 96.67 ± 3.27% | 1 |
| **first\_pass\_per\_patient** | 60 ± 8.88% | 80 ± 7.37 | 0.16 |

**3. Segmenti in dormanti**

|  |  |  |  |
| --- | --- | --- | --- |
| **lokacija** | | **število** | **delež** |
| **RPV** | **rspv\_rr** | 15 ± 5.47 | 50 ± 17.92% |
|  | **rspv\_ra** | 14 ± 5.42 | 46.67 ± 17.77% |
|  | **rspv\_rp** | 9 ± 4.07 | 30 ± 13.54% |
|  |  |  |  |
|  | **ripv\_ra** | 2 ± 1.4 | 6.9 ± 4.72% |
|  | **ripv\_rp** | 5 ± 3.46 | 16.67 ± 11.59% |
|  | **ripv\_ri** | 1 ± 0.98 | 3.33 ± 3.27% |
|  |  |  |  |
|  |  |  |  |
| **LPV** | **lspv\_lr** | 2 ± 1.37 | 6.67 ± 4.55% |
|  | **lspv\_lrg** | 3 ± 1.66 | 10 ± 5.51% |
|  | **lspv\_lp** | 4 ± 1.87 | 13.33 ± 6.22% |
|  |  |  |  |
|  | **lipv\_la** | 6 ± 4.3 | 20 ± 14.35% |
|  | **lipv\_li** | 3 ± 2.89 | 10.34 ± 10.22% |
|  | **lipv\_lp** | 4 ± 3.92 | 13.33 ± 13.15% |

****

**4. UZ meritve po 12 mesecih**

|  |  |  |  |
| --- | --- | --- | --- |
| **la\_volume\_index\_12** | **la\_volume\_index** | **razlika** | **p** |
| 131.47 ± 27.06 | 144.87 ± 23.91 | 2.1 +/- 9.4 | 0.21 |

**5. Čas drugega posega**

|  |  |  |
| --- | --- | --- |
| **close** | **high\_density** | **p** |
| 444.69 ± 94.71 | 381.69 ± 103.71 | **0.03** |

**6. Število izoliranih ven**

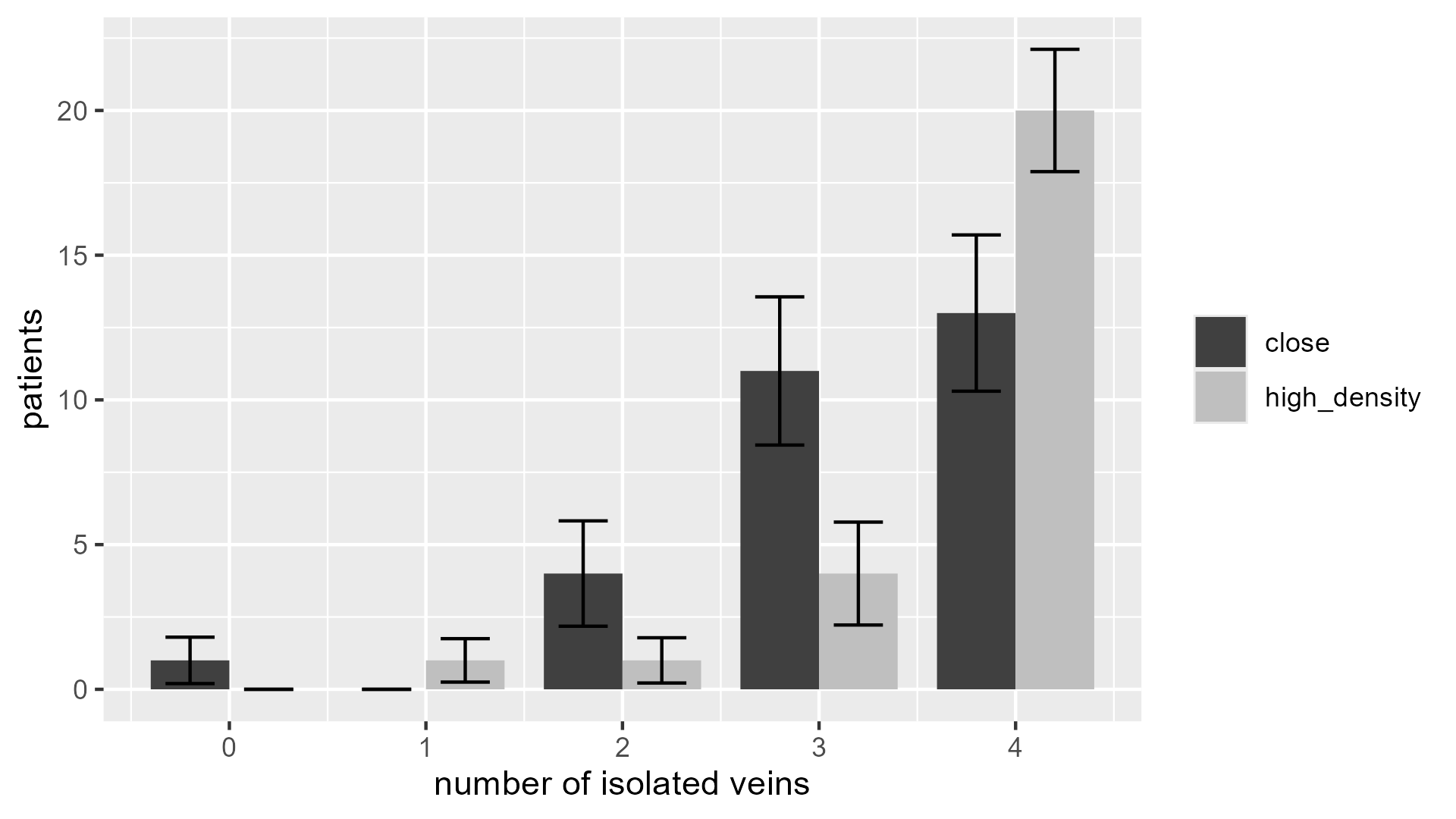
|  |  |  |  |
| --- | --- | --- | --- |
|  | **close** | **high density** | **p** |
| **number of isolated veins** | 3.2 ± 0.94 | 3.65 ± 0.75 | **0.02** |
| **percentage of isolated veins** | 80.17 ± 23.5% | 91.35 ± 18.63% | **0.03** |
| **all four veins isolated** | 44.83 ± 9.22% | 76.92 ± 8.3% | **0.03** |

**Slika 1:**

**A graph of a number of veins

Description automatically generated**

**Slika 2:**

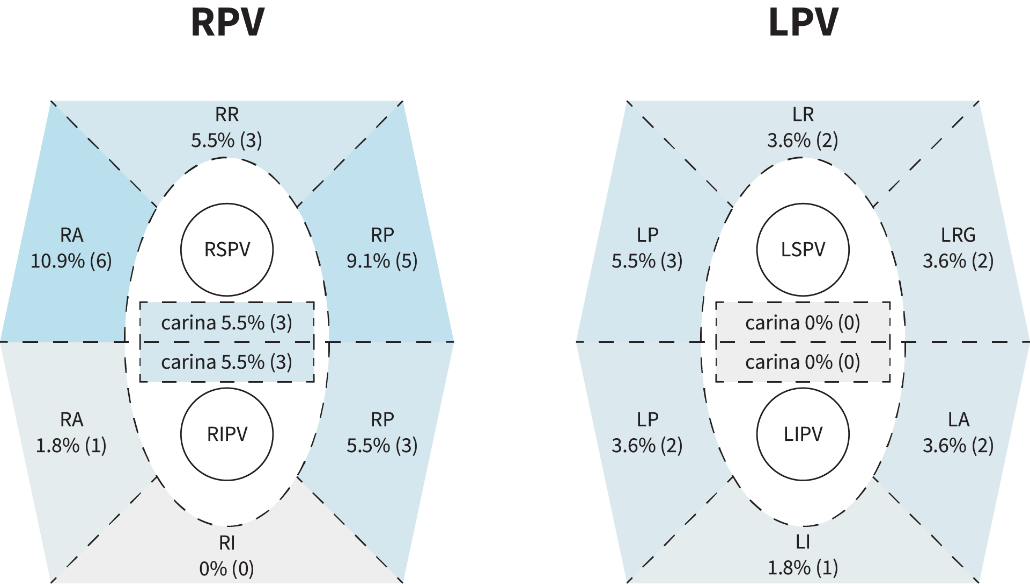


**7. Čas in število lezij**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **close** | **high density** | **p** |
| **skin\_skin\_time2** | 80.93 ± 34.71 | 62.8 ± 39.96 | 0.09 |
| **ablate\_reisolization\_time** | 1.95 ± 2.68 | 0.81 ± 1.78 | **0.03** |
| **ablate\_removal\_time\_dormant** | 2.56 ± 2.21 | 1.99 ± 2.82 | 0.07 |
| **rf\_lesion\_number\_isolation** | 7.45 ± 8.57 | 2.42 ± 5.12 | **0.01** |
| **rf\_lesion\_number\_gap** | 9.79 ± 8.94 | 2.73 ± 5.46 | **0.0007** |

**8. Incidenca neizoliranih mest**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **lokacija** | | **close** | **high\_density** | **p** |
| **RPV** | **rspv\_rr** | 10.34 ± 5.62% | 0 | 0.27 |
|  | **rspv\_ra** | 13.79 ± 6.46% | 7.69 ± 5.2% | 0.77 |
|  | **rspv\_rp** | 10.34 ± 5.65% | 7.69 ± 5.17% | 1 |
|  | **carina** | 10.34 ± 5.63% | 0 | 0.27 |
|  |  |  |  |  |
|  | **ripv\_ra** | 3.45 ± 3.41% | 0 | 1 |
|  | **ripv\_rp** | 10.34 ± 5.64% | 0 | 0.27 |
|  | **ripv\_ri** | 0 | 0 | 1 |
|  | **carina** | 10.34 ± 5.68% | 0 | 0.27 |
|  |  |  |  |  |
|  |  |  |  |  |
| **LPV** | **lspv\_lr** | 3.45 ± 3.41% | 3.85 ± 3.79% | 1 |
|  | **lspv\_lrg** | 3.45 ± 3.34% | 3.85 ± 3.76% | 1 |
|  | **lspv\_lp** | 6.9 ± 4.67% | 3.85 ± 3.75% | 0.77 |
|  | **carina** | 0 | 0 | 1 |
|  |  |  |  |  |
|  | **lipv\_la** | 6.9 ± 4.67% | 0 | 1 |
|  | **lipv\_li** | 0 | 3.85 ± 3.82% | 1 |
|  | **lipv\_lp** | 3.45 ± 3.45% | 3.85 ± 3.77% | 1 |
|  | **carina** | 0 | 0 | 1 |

****

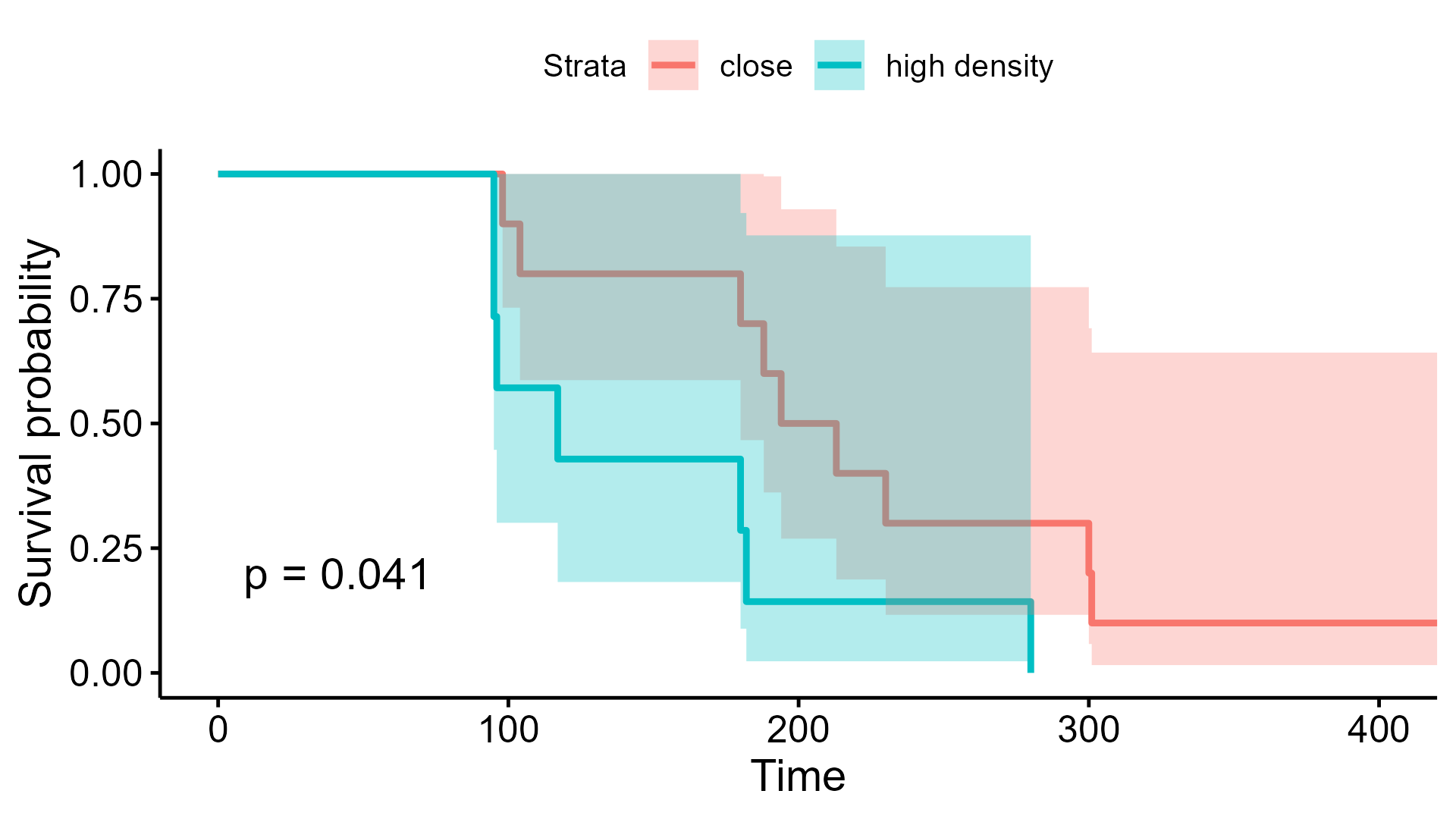
**9. Dormant conduction**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **lokacija** | | **close** | **high\_density** | **p** |
| **RPV** | **rspv\_rr** | 0.21 ± 0.07 | 0.03 ± 0.03 | 1 |
|  | **rspv\_ra** | 0.11 ± 0.06 | 0.08 ± 0.05 | 1 |
|  | **rspv\_rp** | 0.14 ± 0.07 | 0.03 ± 0.03 | 0.39 |
|  |  |  |  |  |
|  | **ripv\_ra** | 0 | 0 | 1 |
|  | **ripv\_rp** | 0.14 ± 0.07 | 0.08 ± 0.05 | 0.73 |
|  | **ripv\_ri** | 0 | 0 | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
| **LPV** | **lspv\_lr** | 0.03 ± 0.03 | 0 | 0.73 |
|  | **lspv\_lrg** | 0.14 ± 0.07 | 0.03 ± 0.03 | 0.73 |
|  | **lspv\_lp** | 0.14 ± 0.08 | 0 | 0.13 |
|  |  |  |  |  |
|  | **lipv\_la** | 0.11 ± 0.06 | 0 | 0.26 |
|  | **lipv\_li** | 0 | 0 | 1 |
|  | **lipv\_lp** | 0.1 ± 0.06 | 0 | 0.26 |

**10. Klinični recidivi**

|  |  |  |
| --- | --- | --- |
| **close** | **high\_density** | **p** |
| 224.6 ± 101.14 | 149.29 ± 69.37 | **0.04** |

Še survival graf.



**11. Lokacije pred/po**

*A bi se dalo primerjati na specifičnega pacienta v HD skupini, če je bila korelacija med lokacijo "dormant conduction" najdenega med prvim posegom (CA-EZ) in lokacijo "dormant conductiona" med drugim posegom (IP-JA) - oz v kolikih primerih so bili najdeni v istem segmentu vene. Mi smo te dormante med prvim posegom namreč odpravili z ablacijo in nas zanima, če so ob drugem posegu bili na drugih mestih ali na istih...*

Da se vse :). Tukaj nekaj ne štima z opisom, stolcpi CA-EZ ter IP-JA so verjetno napačni? Si mislila CC-FB in UI-JF?

Poleg tega je potrebno definirati kaj pomeni enako in kaj različno saj sod ormanti pred in potem lahko hkrati na več lokacijah. Ali enako pomeni samo samo 100% ujemanje v vseh dormantih, vse ostalo pa drugačno? Ali tukaj gledamo po pacientu ali po vsakem dormantu posebej? Ali bi gledali kako drugače? Kako vpliva število dormantov? Za prej imamo podatek o število, za potem samo še 1/0.

Na primer, en pacient ima pri prvem posegu dormante RIPV RI ter LSPV LR, po posegu pa LSPV LR in LIPV LI. Torej se LSPV LR ujema, RIPV RI in LIPV LI pa ne, kako to štejemo? Ali celotnega pacienta kot neujemanje (mora biti popolno ujemanje) ali štejemo 2 dormanta kot neujemanje, enega pa kot ujemanje? V glavnem tole je treba malo bolj definirati preden se lahko lotim.