**Ventricular arrhythmia prediction model**

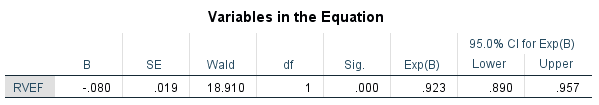
Univariate analysis with RVEF   
COXREG Arrythmia\_years

/STATUS=VT(1)

/METHOD=ENTER RVEF

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).



\*Exp(B) inversed (i.e. 1/x) to obtain hazard ratio

Univariate analysis with RV global longitudinal strain  
COXREG Arrythmia\_years

/STATUS=VT(1)

/METHOD=ENTER RVLS

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVLS | .068 | .020 | 12.186 | 1 | .000 | 1.070 | 1.030 | 1.112 |

Multivariate analysis with RVEF  
Covariates: age, syncope, LA diameter, medication use, RV mass, LV longitudinal strain, LV maximum wall thickness and LGE presence

COXREG Arrythmia\_years

/STATUS=VT(1)

/METHOD=ENTER RVEF age Syncope\_r LA.Diameter.LVOTRS Medication\_use RVMASS LS\_LV MaxWallThickness

LGE

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVEF | -.097 | .021 | 20.516 | 1 | .000 | .907 | .870 | .946 |
| age | .019 | .013 | 2.106 | 1 | .147 | 1.019 | .993 | 1.046 |
| Syncope\_r | 1.034 | .359 | 8.282 | 1 | .004 | 2.813 | 1.391 | 5.689 |
| LA.Diameter.LVOT RS | .013 | .027 | .242 | 1 | .623 | 1.014 | .961 | 1.069 |
| Medication\_use | .470 | .224 | 4.392 | 1 | .036 | 1.600 | 1.031 | 2.483 |
| RVMASS | .011 | .015 | .575 | 1 | .448 | 1.011 | .982 | 1.041 |
| LS\_LV | -.048 | .046 | 1.067 | 1 | .302 | .953 | .871 | 1.044 |
| Max Wall Thickness | .098 | .037 | 6.950 | 1 | .008 | 1.103 | 1.025 | 1.186 |
| LGE | .466 | .562 | .688 | 1 | .407 | 1.594 | .530 | 4.790 |

\*Exp(B) inversed (i.e. 1/x) to obtain hazard ratio

Multivariate analysis with RV global longitudinal strain

Covariates: age, syncope, LA diameter, medication use, RV mass, LV longitudinal strain, LV maximum wall thickness and LGE presence

COXREG Arrythmia\_years

/STATUS=VT(1)

/METHOD=ENTER RVLS age Syncope\_r LA.Diameter.LVOTRS Medication\_use RVMASS LS\_LV MaxWallThickness

LGE

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVLS | .074 | .027 | 7.383 | 1 | .007 | 1.076 | 1.021 | 1.135 |
| age | .025 | .013 | 3.563 | 1 | .059 | 1.026 | .999 | 1.053 |
| Syncope\_r | .761 | .350 | 4.733 | 1 | .030 | 2.140 | 1.078 | 4.247 |
| LA.Diameter.LVOT RS | .014 | .028 | .259 | 1 | .611 | 1.014 | .960 | 1.071 |
| Medication\_use | .337 | .209 | 2.611 | 1 | .106 | 1.401 | .931 | 2.109 |
| RVMASS | .024 | .015 | 2.540 | 1 | .111 | 1.024 | .994 | 1.055 |
| LS\_LV | -.046 | .048 | .902 | 1 | .342 | .955 | .869 | 1.050 |
| Max Wall Thickness | .076 | .037 | 4.193 | 1 | .041 | 1.079 | 1.003 | 1.161 |
| LGE | .536 | .565 | .898 | 1 | .343 | 1.709 | .564 | 5.173 |

**Composite cardiovascular events prediction model**

Univariate analysis with RVEF

COXREG Year\_comp

/STATUS=composit(1)

/METHOD=ENTER RVEF

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVEF | -.071 | .014 | 26.700 | 1 | .000 | .932 | .907 | .957 |

Univariate analysis with RV global longitudinal strain

COXREG Year\_comp

/STATUS=composit(1)

/METHOD=ENTER RVLS

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVLS | .066 | .014 | 21.831 | 1 | .000 | 1.069 | 1.039 | 1.099 |

Multivariate analysis with RVEF

Covariates: age, BMI, LA diameter, NYHA class, medication use, maximum LV wall thickness, , family history of sudden cardiac death, LV ejection fraction, LV mass index, LGE mass and crista supraventricularis

COXREG Year\_comp

/STATUS=composit(1)

/METHOD=ENTER RVEF age BMI LA.Diameter.LVOTRS NYHAclassnew Medication\_use MaxWallThickness

FH\_SCD\_r LVEF Lvmass\_indexed LGE\_mass\_g CT

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

|  |
| --- |
| **Variables in the Equation** |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVEF | -.064 | .016 | 16.162 | 1 | .000 | .938 | .909 | .968 |
| age | .029 | .010 | 8.190 | 1 | .004 | 1.029 | 1.009 | 1.050 |
| BMI | -.009 | .025 | .137 | 1 | .711 | .991 | .943 | 1.041 |
| LA.Diameter.LVOT RS | .010 | .021 | .226 | 1 | .634 | 1.010 | .969 | 1.052 |
| NYHA class new | .517 | .162 | 10.175 | 1 | .001 | 1.677 | 1.220 | 2.303 |
| Medication\_use | .345 | .166 | 4.286 | 1 | .038 | 1.411 | 1.019 | 1.956 |
| Max Wall Thickness | .061 | .030 | 4.023 | 1 | .045 | 1.063 | 1.001 | 1.128 |
| FH\_SCD\_r | -.812 | .729 | 1.243 | 1 | .265 | .444 | .106 | 1.851 |
| LVEF | -.013 | .020 | .375 | 1 | .540 | .988 | .949 | 1.028 |
| Lvmass\_indexed | .005 | .006 | .530 | 1 | .467 | 1.005 | .992 | 1.017 |
| LGE\_mass\_g | .000 | .008 | .000 | 1 | .988 | 1.000 | .985 | 1.015 |
| CT | .521 | .366 | 2.023 | 1 | .155 | 1.684 | .821 | 3.452 |

\*Exp(B) inversed (i.e. 1/x) to obtain hazard ratio

Multivariate analysis with RV global longitudinal strain

Covariates: age, BMI, LA diameter, NYHA class, medication use, maximum LV wall thickness, family history of sudden cardiac death, LV ejection fraction, LV mass index, LGE mass and crista supraventricularis

COXREG Year\_comp

/STATUS=composit(1)

/METHOD=ENTER RVLS age BMI LA.Diameter.LVOTRS NYHAclassnew Medication\_use MaxWallThickness

FH\_SCD\_r LVEF Lvmass\_indexed LGE\_mass\_g CT

/PRINT=CI(95)

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables in the Equation** | | | | | | | | |
|  | B | SE | Wald | df | Sig. | Exp(B) | 95.0% CI for Exp(B) | |
| Lower | Upper |
| RVLS | .045 | .021 | 4.675 | 1 | .031 | 1.046 | 1.004 | 1.090 |
| age | .028 | .010 | 7.416 | 1 | .006 | 1.028 | 1.008 | 1.049 |
| BMI | .003 | .023 | .020 | 1 | .888 | 1.003 | .958 | 1.051 |
| LA.Diameter.LVOT RS | .012 | .021 | .340 | 1 | .560 | 1.012 | .972 | 1.055 |
| NYHA class new | .535 | .162 | 10.881 | 1 | .001 | 1.707 | 1.242 | 2.345 |
| Medication\_use | .264 | .162 | 2.651 | 1 | .103 | 1.302 | .948 | 1.788 |
| Max Wall Thickness | .054 | .030 | 3.207 | 1 | .073 | 1.055 | .995 | 1.119 |
| FH\_SCD\_r | -.935 | .727 | 1.654 | 1 | .198 | .393 | .094 | 1.632 |
| LVEF | -.023 | .020 | 1.329 | 1 | .249 | .978 | .941 | 1.016 |
| Lvmass\_indexed | .000 | .006 | .002 | 1 | .963 | 1.000 | .988 | 1.012 |
| LGE\_mass\_g | .003 | .008 | .194 | 1 | .660 | 1.003 | .988 | 1.019 |
| CT | .431 | .368 | 1.370 | 1 | .242 | 1.538 | .748 | 3.165 |