**Supplementary Table S4. Associations of surgery-related variables and health-related quality of life**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Total score** | **Physical score** | **Emotional score** | **Social score** | **Therapy score** | **Functional score** |
|  | Univariate | Univariate | Univariate | Univariate | Univariate | Univariate |
|  | ß, SE (R2) | ß, SE (R2) | ß, SE (R2) | ß, SE (R2) | ß, SE (R2) | ß, SE (R2) |
| Total hospital stay | -9.53, 4.79 (0.08) | **-3.88, 1.83 (0.09) \*** | -0.88, 1.28 (0.01) | -1.92, 1.14 (0.06) | -1.26, 0.73 (0.06) | -0.53, 1.44 (0.003) |
| Cumulative ICU stay | **-13.04, 3.29 (0.26)\*\*\*** | **-5.19, 1.24 (0.28)\*\*\*** | -1.84, 0.94 (0.08) | **-2.63, 0.81 (0.19)** | **-1.09, 0.56 (0.08)\*** | **-2.11, 1.06 (0.08)\*** |
| Cumulative time of mechanical ventilation | **-8.41, 3.33 (0.13)\*** | **-3.26, 1.28 (0.13)\*** | -0.70, 0.91 (0.01) | -1.70, 0.80 (0.09) | -1.06, 0.51 (0.09) | -1.56, 1.00 (0.05) |
| Cardiac medication after Stage I | 3.20, 9.08 (0.003) | 1.56, 3.45 (0.005) | -0.30, 2.35 (0) | -0.36, 2.09 (0.001) | 0.05, 1.30 (0) | 0.45, 2.63 (0.001) |
| Cardiac medication after Stage II | **-23.19, 7.16 (0.19)\*\*** | **-9.68, 2.69 (0.23)\*\*** | -2.41, 2.01 (0.03) | **-4.95, 1.72 (0.16)\*\*** | **-2.65, 1.14 (0.11)\*** | -5.60, 2.14 (0.14)**\*** |
| Cardiac medication after Stage III# | **-32.06, 9.43 (0.22)\*\*** | **-12.00, 3.58 (0.22)\*\*** | -3.47, 2.53 (0.04) | **-7.35, 2.28 (0.20)\*\*** | **-4.32, 1.42 (0.18)\*\*** | **-6.86, 2.84 (0.13)\*** |
| s/p ECMO or reanimation | -11.90, 8.27 (0.05) | -3.39, 3.20 (0.03) | -2.29, 2.14 (0.03) | -2.29, 1.96 (0.03) | -1.79, 1.25 (0.04) | -1.37, 2.43 (0.007) |
| Reoperations | -2.47, 7.63 (0.005) | -1.27, 3.29 (0.007) | -1.57, 2.01 (0.03) | 1.22, 1.51 (0.03) | 1.11, 1.04 (0.05) | -1.95, 1.91 (0.05) |
| Reinterventions |  -12.85, 8.24 (0.11)  | -4.13, 2.95 (0.09) | 0.98, 2.26 (0.009) | -0.3.75, 2.01 (0.15) | -2.63, 1.27 (0.18) | -3.32, 2.24 (0.10) |

ß, unstandardized beta, SE, standard error, R2, adjusted coefficient of determination. Bold numbers represent significant associations. The natural logarithm was used for following non-normally distributed variables: Socioeconomic status, total hospital stay, total intensive care unit stay (ICU), cumulative time of mechanical ventilation, number of cardiac medication, number of reoperations and reinterventions. CHD, congenital heart disease, ECMO, extra-corporal membrane oxygenation.

\* *p*<0.05, \*\* *p* <0.01, \*\*\* *p* <0.001, n=46

*#* n=44 (one patient had heart transplantation, one patient awaiting stage III