

Supplement

Table S1. Surgical specialties (OPS Codes)

| Number | Surgery groups | OPS codes |
|--------|---|---|
| 0 | Dermatology, Ophthalmology, Unspecific | Only 5-08 to 5-16, 5-89 to 5-99 |
| 1 | Neurosurgery | Only 5-01 to 5-05* |
| 2 | Otorhinolaryngology | Only 5-18 to 5-31* |
| 3 | Thoracic surgery | Only 5-32 to 5-34* |
| 4 | Cardiac surgery | Only 5-35 to 5-37* |
| 5 | Vascular surgery | Only 5-38 to 5-39* |
| 6 | Visceral and endocrine surgery | Only 5-06 to 5-07, 5-42 to 5-45* |
| 7 | Urology | Only 5-55 to 5-64* |
| 8 | Gynaecology | Only 5-65 to 5-71, 5-87 to 5-88* |
| 9 | Obstetric | Only 5-72 to 5-75* |
| 10 | Oral-maxillofacial surgery | Only 5-76 to 5-77* |
| 11 | Trauma and orthopaedic surgery | Only 5-78 to 5-86* |
| 12 | Operations on the haematopoietic and lymphatic system | Only 5-40 to 5-41* |
| 13 | Mixed | OPS from at least two different Surgery specialties 1–12* |

* The surgery groups 1–13 may also contain in addition OPS from the surgery group 0.

Table S2. Coding of the postoperative complications (ICD-Codes)

| Complications | ICD codes |
|-----------------------------------|--|
| Cardiovascular dysfunction | I21 I21.0 I21.1 I21.2 I21.3 I21.4 I21.9 I22 I22.0 I22.1 I22.8 I22.9 I46 I46.0 I46.1 I46.9 I95.2 I95.8 I95.9 R57.0 R57.1 R57.2 R57.9 T88.2 T81.1 T79.4 R00.0 R00.1 R00.3 P29.0 P29.1 P29.4 P29.8 P29.9 |
| Neurological dysfunction | I63 I63.0 I63.1 I63.2 I63.3 I63.4 I63.5 I63.6 I63.8 I63.9 I64 G93.1 G93.4 G93.6 F05.0 F05.8 F05.9 R40 R40.0 R40.1 R40.2P91.0 P91.4 P91.5 P91.6 P91.8 P91.9 |
| Renal dysfunction | N17 N17.0 N17.1 N17.2 N17.8 N17.9 N19 N99.0 R34 |
| Respiratory dysfunction | J12 J12.0 J12.1 J12.2 J12.3 J12.8 J12.9 J13 J14 J15 J15.0 J15.1 J15.2 J15.3 J15.4 J15.5 J15.6 J15.7 J15.8 J15.9 J16 J16.0 J16.8 J18 J18.0 J18.1 J18.2 J18.8 J18.9 J96.0 J96.9 J95.1 J95.2 P28.5 J80 P22 P22.0 P22.1 P22.8 P22.9 |
| Sepsis / SIRS | A40 A40.0 A40.1 A40.2 A40.3 A40.8 A40.9 A41 A41.0 A41.1 A41.2 A41.3 A41.4 A41.51 A41.52 A41.8 A41.9 A42.7 B00.7 B37.7 R65 R65.0 R65.1 R65.2 R65.3 R65.9 P36 |
| Hepatic dysfunction | K72.0 K72.7 K72.9 |