

Table 2 Overview of identified adverse events for acute respective elective patients during different time frames and time to occurrence, sorted by descending order of types of AEs for all patients

	All		Acute					Elective				
Type of AEs	N (%)	Median time from surgery to AE (days)	n (%)	Median time from surgery to AE (days)	Occurred during index admission n (%)	Occurred within 30 days but after index n (%)	Occurred within 31–90 days n (%)	n (%)	Median time from surgery to AE (days)	Occurred during index admission n (%)	Occurred within 30 days but after index n (%)	Occurred within 31–90 days n (%)
Dislocation of the prosthesis	274 (13.1)	23	101 (10.4)	23	11 (2.3)	56 (14)	34 (36.6)	173 (15.4)	23	23 (4.8)	83 (17.8)	67 (36.6)
Pressure ulcer	189 (9)	5	143 (14.8)	5	91 (19.1)	46 (11.5)	6 (6.5)	46 (4.1)	4.5	33 (6.9)	11 (2.4)	2 (1.1)
Urinary tract infection	163 (7.8)	8	93 (9.6)	9	39 (8.2)	49 (12.3)	5 (5.4)	70 (6.2)	8	32 (6.7)	36 (7.7)	2 (1.1)
Peri-prosthetic joint infection	149 (7.1)	20	36 (3.7)	19	4 (0.8)	27 (6.8)	5 (5.4)	113 (10)	20	4 (0.8)	80 (17.2)	29 (15.8)
Superficial wound infection	147 (7)	11	59 (6.1)	11	22 (4.6)	32 (8)	5 (5.4)	88 (7.8)	13	25 (5.2)	58 (12.5)	5 (2.7)
Skin, tissue and superficial vessel harm ¹	123 (5.9)	4	78 (8.1)	5	59 (12.4)	18 (4.5)	1 (1.1)	45 (4)	4	38 (8)	7 (1.5)	0 (0)
Peri-/post-operative bleeding/haematoma - did not require re-operation	117 (5.6)	0	29 (3)	3	18 (3.8)	9 (2.3)	2 (2.2)	88 (7.8)	0	61 (12.8)	26 (5.6)	1 (0.5)
Pneumonia	117 (5.6)	4	77 (8)	3	47 (9.9)	25 (6.3)	5 (5.4)	40 (3.6)	5	21 (4.4)	13 (2.8)	6 (3.3)
Falls	87 (4.2)	15	38 (3.9)	19	6 (1.3)	22 (5.5)	10 (10.8)	49 (4.4)	10	17 (3.6)	24 (5.2)	8 (4.4)
Neurological ²	87 (4.2)	2	46 (4.8)	2.5	33 (6.9)	11 (2.8)	2 (2.2)	41 (3.6)	2	30 (6.3)	9 (1.9)	2 (1.1)
Distended urinary bladder	81 (3.9)	3	52 (5.4)	3	39 (8.2)	12 (3)	1 (1.1)	29 (2.6)	3	24 (5)	5 (1.1)	0 (0)
Pulmonary embolism	64 (3.1)	27	15 (1.5)	12	3 (0.6)	8 (2)	4 (4.3)	49 (4.4)	32	9 (1.9)	15 (3.2)	25 (13.7)
Gastric ulcer	45 (2.2)	6	19 (2)	7	8 (1.7)	10 (2.5)	1 (1.1)	26 (2.3)	5.5	12 (2.5)	13 (2.8)	1 (0.5)
Cardiovascular ³	40 (1.9)	3	14 (1.4)	13.5	6 (1.3)	5 (1.3)	3 (3.2)	26 (2.3)	3	17 (3.6)	7 (1.5)	2 (1.1)
Pain	36 (1.7)	4	7 (0.7)	3	4 (0.8)	3 (0.8)	0 (0)	29 (2.6)	9	13 (2.7)	13 (2.8)	3 (1.6)
Gastro-intestinal ⁴	31 (1.5)	7	9 (0.9)	7	4 (0.8)	4 (1)	1 (1.1)	22 (2)	6.5	11 (2.3)	11 (2.4)	0 (0)
Peri-operative fracture	31 (1.5)	0	8 (0.8)	0	6 (1.3)	2 (0.5)	0 (0)	23 (2)	0	20 (4.2)	3 (0.6)	0 (0)
Renal failure	31 (1.5)	2	20 (2.1)	2	18 (3.8)	2 (0.5)	0 (0)	11 (1)	3	10 (2.1)	1 (0.2)	0 (0)
Deep vein thrombosis	29 (1.4)	42	10 (1)	24.5	0 (0)	6 (1.5)	4 (4.3)	19 (1.7)	46	0 (0)	6 (1.3)	13 (7.1)
Allergic reaction	25 (1.2)	5	8 (0.8)	5	4 (0.8)	4 (1)	0 (0)	17 (1.5)	4	11 (2.3)	4 (0.9)	2 (1.1)
Leg length difference	23 (1.1)	3	4 (0.4)	2.5	3 (0.6)	1 (0.3)	0 (0)	19 (1.7)	3	14 (2.9)	3 (0.6)	2 (1.1)

Gastrointestinal infection	22 (1.1)	9	17 (1.8)	11	8 (1.7)	8 (2)	1 (1.1)	5 (0.4)	4	4 (0.8)	1 (0.2)	0 (0)
Septicaemia	20 (1)	17.5	14 (1.4)	17.5	6 (1.3)	7 (1.8)	1 (1.1)	6 (0.5)	13.5	2 (0.4)	3 (0.6)	1 (0.5)
Mechanical complication ⁵	20 (1)	25	7 (0.7)	24	3 (0.6)	4 (1)	0 (0)	13 (1.2)	29	2 (0.4)	5 (1.1)	6 (3.3)
Unclear infection	17 (0.8)	5	11 (1.1)	5	5 (1.1)	6 (1.5)	0 (0)	6 (0.5)	4	5 (1)	1 (0.2)	0 (0)
Respiratory	17 (0.8)	1	9 (0.9)	1	6 (1.3)	3 (0.8)	0 (0)	8 (0.7)	1	7 (1.5)	1 (0.2)	0 (0)
Myocardial infarction	15 (0.7)	7	6 (0.6)	3.5	3 (0.6)	3 (0.8)	0 (0)	9 (0.8)	8	5 (1)	3 (0.6)	1 (0.5)
Mouth and throat infection	12 (0.6)	9	8 (0.8)	9	5 (1.1)	3 (0.8)	0 (0)	4 (0.4)	10	2 (0.4)	2 (0.4)	0 (0)
Peripheral nerve injury ⁶	12 (0.6)	2	3 (0.3)	8	1 (0.2)	2 (0.5)	0 (0)	9 (0.8)	2	8 (1.7)	1 (0.2)	0 (0)
Ileus	9 (0.4)	5	4 (0.4)	6	0 (0)	4 (1)	0 (0)	5 (0.4)	4	3 (0.6)	2 (0.4)	0 (0)
Stroke	9 (0.4)	4	4 (0.4)	5	3 (0.6)	1 (0.3)	0 (0)	5 (0.4)	4	3 (0.6)	1 (0.2)	1 (0.5)
Electrolyte imbalance	8 (0.4)	5.5	1 (0.1)	5	1 (0.2)	0 (0)	0 (0)	7 (0.6)	6	2 (0.4)	5 (1.1)	0 (0)
AE caused by anaesthesia ⁷	7 (0.3)	1	3 (0.3)	0	3 (0.6)	0 (0)	0 (0)	4 (0.4)	1	3 (0.6)	1 (0.2)	0 (0)
Malnutrition	7 (0.3)	6	4 (0.4)	13	2 (0.4)	1 (0.3)	1 (1.1)	3 (0.3)	6	1 (0.2)	2 (0.4)	0 (0)
Bleeding - not related to surgery ⁸	5 (0.2)	11	2 (0.2)	6.5	1 (0.2)	1 (0.3)	0 (0)	3 (0.3)	11	0 (0)	3 (0.6)	0 (0)
Infection other	5 (0.2)	11	4 (0.4)	11	1 (0.2)	3 (0.8)	0 (0)	1 (0.1)	6	0 (0)	1 (0.2)	0 (0)
Bleeding - that required re-operation	5 (0.2)	8	1 (0.1)	8	1 (0.2)	0 (0)	0 (0)	4 (0.4)	5	3 (0.6)	1 (0.2)	0 (0)
Surgical harm – other	3 (0.1)	71	0 (0)	NA	– (–)	– (–)	– (–)	3 (0.3)	71	0 (0)	0 (0)	3 (1.6)
Multi-organ failure	1 (0)	3	1 (0.1)	3	1 (0.2)	0 (0)	0 (0)	0 (0)	NA	– (–)	– (–)	– (–)
Other	10 (0.5)	7.5	3 (0.3)	19	1 (0.2)	1 (0.3)	1 (1.1)	7 (0.6)	7	2 (0.4)	4 (0.9)	1 (0.5)
Total	2093 (100)	8	968 (100)	8	476 (100)	399 (100)	93 (100)	1125 (100)	8	477 (100)	465 (100)	183 (100)
AE, adverse event. Examples of adverse events in these types; ¹ blister, extravasation, phlebitis; ² acute confusion, hallucination, lethargy; ³ heart failure; ⁴ obstipation, vomiting, diarrhoea; ⁵ fracture without a fall, re-operation after several dislocations; ⁶ foot drop; ⁷ awareness, aspiration; ⁸ in connection to urinary catheter or warfarin treatment.												