

**Supplemental: Table B: Detailed description of adverse events by time, treatment group and procedure**

T-spinal to incident	T-spinal to PACU discharge	Group	THA/TKA	Adverse event description	Adverse event type
2:39	2:29	2	2	Dizziness and nausea	Cerebral
2:41	1:41	2	1	34.9 °C, respiratory frequency 8	Temperature
2:57	1:32	2	2	Vomiting	Gastro-intestinal
3:19	2:15	2	1	Severe pain, subsequent severe sedation from suppl. opioid	Pain
3:45	1:30	2	1	Saturation 79-92%, 100% with oxygen. Shivering, temp 38.6 °C	Respiratory
3:50	3:10	1	1	Epigastric pain	Miscellaneous
3:55	3:25	2	1	Chest pain, feeling of chest pressure	Cardio-vascular
4:30	4:00	1	1	Left arm heavy and numb. History of cerebral apoplexy	Cerebral
4:45	2:45	2	2	Hb 4.0 mmol/L. Sweating, chest pressure, low blood-pressure and low pulse.	Bleeding
5:05	2:15	2	1	Hypotension	Cardio-vascular
5:30	4:30	1	1	Severe pain	Pain
5:40	4:20	2	1	Severe pain	Pain
5:43	4:00	2	2	Severe pain	Pain
5:52	3:42	1	2	Hypotension. Nausea, cold and sweating	Cardio-vascular
5:55	3:00	1	2	Hypotension. Nausea, pale, sweating, near-syncope. 22:12 hours post-spinal: Dizzy HgB 5.4 mmol/L	Cardio-vascular

6:00	2:15	2	2	Severe pain	Pain
6:11	1:56	2	1	Bleeding from surgical wound. Compressive bandages soaked in blood	Bleeding
6:13	2:28	2	1	Hypotension 58/40	Cardio-vascular
6:23	1:59	2	1	Chest pressure and tachycardia. Patient with known paroxysmal atrial fibrillation.	Cardio-vascular
6:35	2:35	2	1	Hip dislocation	Extremities
6:35	2:30	2	1	Syncope while in bed	Cerebral
6:45	2:35	2	2	Syncope x 2 during mobilization	Cerebral
6:56	1:55	2	2	Severe pain	Pain
7:00	6:25	1	1	Tachycardia	Cardio-vascular
7:00	3:00	2	1	Syncope	Cerebral
7:27	2:17	2	1	Hypotension	Cardio-vascular
7:30	2:15	2	1	Bleeding from surgical wound. Compressive bandages soaked in blood	Bleeding
7:35	1:50	2	1	Numbness and loss of control of foot on operated leg	Extremities
7:38	2:38	2	1	Hip dislocation	Extremities
7:38	3:45	2	1	Hypotension and bradycardia, no cardiac symptoms. 19:20 hours post-spinal: Somnolent and subsequently diagnosed with acute a. cerebri media infarction, patient was observed and found normal 1 hour prior to incident.	Cardio-vascular
7:41	1:41	2	2	Urinary retention	Urological

7:46	6:52	2	2	Hypoxia and tachycardia. 9:14 hours post-spinal: POUR	Respiratory
7:48	3:38	1	2	Knee dislocation, re-operation	Extremities
7:50	6:30	1	2	Near-syncope, blurred vision, cold, sweating. Hypotension 83/50 mmHg. 23:5 hours post-spinal: Hgb 5.1.	Cerebral
8:00	5:00	1	1	Unspecific arrhythmia	Cardio-vascular
8:20	2:44	1	1	Severe pain	Pain
9:00	4:45	1	2	Syncope	Cerebral
9:15	1:50	2	1	Fainting and vomiting	Cerebral
9:36	3:06	1	1	Blood sugar 21.0 mmol/L, patient with type-2 diabetes	Miscellaneous
9:38	2:34	2	1	Severe pain	Pain
10:20	5:35	1	1	Severe pain	Pain
10:33	2:45	2	2	Blurred speech, patient under suspicion of pre-operative periodic ataxia. Resolves within 1 hour, no further actions.	Cerebral
10:40	2:25	2	1	Severe pain	Pain
11:34	5:55	1	2	Severe pain	Pain 15
11:48	3:15	1	1	Urinary retention.	Urological
12:15	3:08	1	2	Vomiting	Gastro-intestinal
13:25	4:00	1	2	Severe pain	Pain
13:30	2:10	2	2	Severe pain	Pain

13:48	2:30	2	1	Severe pain	Pain
15:41	3:30	2	1	Severe pain	Pain
16:10	4:10	2	1	Urinary retention.	Urological
17:17	1:55	2	1	Severe abdominal pain, relieved by bladder catheterization. 23:10 hours post-spinal: saturation 89%, tachycardia, ECG with suspicion of septal infarction.	Urological
19:10	3:29	1	2	Severe pain. Ongoing bleeding from surgical wound. 23:34 hours post-spinal: 2 near syncope episodes	Pain
20:03	3:35	1	2	Severe pain	Pain
20:30	3:15	1	2	Syncope	Cerebral
21:02	4:55	1	1	Severe pain	Pain
21:39	6:09	1	1	Ongoing bleeding from surgical wound	Bleeding
21:45	2:35	2	2	Severe pain	Pain
22:28	2:57	1	1	Bradychardia, 30-72 Bpm 22:42 post-spinal: severe pain	Cardio-vascular
22:30	4:10	1	1	Severe pain	Pain
22:46	1:47	2	2	Severe pain	Pain
22:55	3:25	1	2	Severe pain	Pain
22:57	3:30	1	1	Dizziness and fall	Cerebral

23:00	2:20	2	2	Syncope and falls	Cerebral
23:10	1:55	2	2	Severe pain	Pain
23:10	3:40	1	1	Hypotension 85/53 mmHg	Cardio-vascular
23:38	3:05	2	2	Severe pain	Pain
23:39	4:10	1	1	Severe pain	Pain
23:55	2:16	2	1	Nausea and vomiting	Gastro-intestinal
23:56	4:05	1	1	Severe pain	Pain
24:03	2:59	1	1	Severe pain	Pain
24:21	3:27	1	1	Temperature 38.4, coughing. Suspicion of pulmonary edema/pneumonia	Temperature
24:38	2:10	2	2	Severe pain	Pain
24:43	3:56	1	2	Nausea and vomiting	Gastro-intestinal 16
24:48	2:45	2	2	Dizziness and fatigue	Cerebral
24:49	1:59	2	1	Severe pain	Pain
24:52	3:04	2	1	Bradycardia and dizziness	Cardio-vascular
25:00	3:30	2	2	Severe pain	Pain
25:00	2:20	2	2	Tachycardia, 105 Bpm	Cardio-vascular
25:03	1:50	2	1	Laryngeal edema and respiratory distress. Allergic reaction suspected	Respiratory

25:04	4:02	1	2	Severe pain	Pain
25:24	1:42	2	1	Increased creatinine	Urological
25:25	1:46	2	2	Dizziness	Cerebral
25:36	4:10	1	2	Severe pain	Pain
26:11	2:16	2	1	Severe pain	Pain
26:15	3:15	1	2	Fall, no syncope	Cerebral
26:27	4:18	1	2	Tachycardia, 150 Bpm. Palpitations and headache. Urinary retention.	Cardio-vascular
26:29	2:38	2	1	Severe pain	Pain
26:59	3:55	1	2	Severe pain	Pain
27:19	4:00	1	1	Severe pain	Pain

**Supplemental:**

**Legend: Table B**

Description adverse events recorded during the first 24 postoperative hours after primary total hip or knee arthroplasty. Routine round findings without clinical relevance were not recorded unless they resulted in treatment. Occurrence of non-related subsequent adverse events in the same patient is also described. T-spinal to incident: time from spinal anesthesia to adverse event. T-spinal to PACU discharge: Time from spinal anesthesia to post-anesthesia care unit (PACU) discharge. Group: 1=motor-function assessment in PACU, 2=no motor-function assessment in PACU. THA/TKA column: THA=1, TKA=2. POUR = PostOperative Urinary Retention.

