

Supplemental: Table A: reasons for LOS> 4days and 30 day readmissions

Reasons for LOS >4 days	Total study cohort	Control group	Intervention group
<i>Surgically related</i>			
Anemia	4	2	2
Wound complication	3	1	2
Knee dislocation	1	1	0
Hip dislocation	1	1	0
Fall	2	0	2
<i>Total surgically related</i>	<i>11</i>	<i>5</i>	<i>6</i>
<i>Medically related</i>			
Stroke	1	0	1
POCD	1	1	0
Cardiac arrest	2	2	0
Pneumonia	1	1	0
Abdominal complication	4	2	2
Renal	3	0	3
Urological	2	0	2
Other medically complication	7	2	5
Pain	1	1	0
<i>Total medical related</i>	<i>22</i>	<i>9</i>	<i>13</i>
<i>Reason for LOS>4 not specified</i>	<i>27</i>	<i>10</i>	<i>17</i>
TOTAL	60	24	36
Reasons for re-admission 1-30 days			
<i>Surgically related</i>			
Prosthetic infection – revision surgery	6	3	3
Wound infection – only AB	6	2	4
Wound complication – not infection	2	2	0
Fall and peri-prosthetic fracture	3	2	1
Fall	2	1	1
Dislocation	4	3	1
<i>Total surgically related</i>	<i>23</i>	<i>13</i>	<i>10</i>
<i>Medically related</i>			
DVT/PE	3	2	1
DVT suspected, not found	7	4	3
Cardiac complication	3	1	2
Death (unknown reason)	1	1	0
Pneumonia	1	1	0
Stroke	1	1	0
Abdominal complication	2	0	2
Other medical complication	7	4	3
Urological infection	6	4	2
<i>Total medically related</i>	<i>31</i>	<i>18</i>	<i>13</i>
TOTAL	54	31	23

Legend: table A appendix:

Causes for LOS>4 days or re-admissions during the first 30-days postoperatively after THA and TKA in 1359 patients with or without assessment of motor function (control vs intervention groups, respectively) before PACU discharge TKA: total knee arthroplasty, THA: total hip arthroplasty, DVT: deep venous thrombosis, LE: pulmonary embolism LOS: length of stay, POCD: postoperative cognitive dysfunction, AB: antibiotics