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**Appendix 1: Perioperative- and postoperative outcomes divided by type of procedure**

Variable	ODN (N=4)	HALDN (N=73)	LDN (N=146)	p-value <sup>a</sup>
<b>Perioperative complication, N</b>	1 (25)	3 (4.1)	15 (10.3%)	
- Bleeding >500 mL	1	0	3	
- Intestinal lesion	0	1	1	
- Lesion of spleen	0	0	2	
- Lesion of vein	1	2	2	
- Lesion of artery	0	0	4	
- Other	0	0	1	
<b>Conversion to hand-port</b>	-	-	5	
<b>Conversion to open</b>	-	0	2 (1.4%)	
<b>Blood loss ml, mean (±sd)</b>	585.25 ± 1137.41	23.03 ± 47.47 <sup>b)</sup>	49.92 ± 124.75 <sup>c)</sup>	<b>p&lt;0.001</b>
<b>Time of surgery, minutes, mean (±sd)</b>	80 ± 24.05	96.72 ± 22.45 <sup>d)</sup>	123.54 ± 23.75 <sup>e)</sup>	<b>P&lt;0.001</b>
<b>WIT minutes, mean (±sd)</b>	-	1.61±0.53 <sup>f)</sup>	2.59±1.61 <sup>g)</sup>	p=0.082
<b>Length of stays, days, median (IQR)</b>	7 (5.3;10.3)	3 (3;4)	4 (3;5)	
<b><u>Short-term complications (&lt;30 days), N</u></b>	N=2	16 (21.9)	30 (20.5)	
<b>Neuropathic pain</b>	N=1		N=2	
<b>Fascia rupture</b>	N=1		N=1	
<b>Collection</b>	N=1	N=1	N=1	
<b>UTI</b>	-	N=2	N=2	
<b>Wound infection</b>	-	N=2	N=4	
<b>Wound dehiscence</b>	-		N=1	
<b>Hematoma</b>	-		N=4	
<b>Urinary retention</b>	-	N=5	N=8	

<b>Pneumonia</b>	-	N=2	N=7	
<b>Sepsis</b>	-	-	N=1	
<b>Other</b>	-	N=4	N=4	
<b>Orchialgia</b>	-	N=1	-	
<b>Clavien Dindo (&lt;30 days)</b>				
<b>Clavien Dindo 1</b>	N=1	N=9	N=17	
<b>Clavien Dindo 2</b>	-	N=8	N=14	
<b>Clavien Dindo 3b</b>	N=2	-	N=4	

*Abbreviations: CI=Confidence Interval, HALDN=hand-assisted laparoscopic donor nephrectomy, LDN=Laparoscopic donor nephrectomy, ODN=Open donor nephrectomy, OR=Odds ratio, WIT=warm ischemia time*

<sup>a</sup> Independent samples T-test between LDN and HALDN

<sup>b</sup>) missing data on n=2 patients <sup>c</sup>) missing n=13 <sup>d</sup>) missing n=27 <sup>e</sup>) missing n=53 <sup>f</sup>) missing n=36 <sup>g</sup>) missing n=78