

Table 3 Perioperative complications associated with obesity

Author, year	N	Operation	Comparator	Overall complication rate (%)	Death	Operative time (min)	Conversion (%)	Wound complication (%)	Transfusion (no.)	Length of stay (days)
Pesavento <i>et al.</i> (1999) ⁶³	223	ON	BMI < 27 vs > 27 kg/m ²	3.4 vs 16.8 ***	Nil	141 vs 151*	na	2 vs 9*	0 vs 4	5.5 vs 5.7
Jacobs <i>et al.</i> (2000) ⁶⁹	82	LN	BMI < 30 vs BMI > 35 kg/m ²	24.3 vs 24.4	Nil	195 vs 237**	0 vs 7.3	na	0 vs 0	2.7 vs 2.7
Kuo <i>et al.</i> (2000) ⁶⁷	40	LN	BMI < 31 vs > 31 kg/m ²	na	Nil	165 vs 182	3.6 vs 0	na	na	2.1 vs 2.3
Levanthal <i>et al.</i> (2004) ⁶⁰	500	LN	BMI < 30 vs BMI > 30 kg/m ²	2.56 vs 3.63	Nil	na	1.28 vs 3.63	na	na	1.7 vs 1.7
Mateo <i>et al.</i> (2003) ⁶⁸	47	LN	BMI < 30 vs BMI > 30 kg/m ²	na	Nil	291 vs 307	na	na	0 vs 0	4 vs 4.2
Heimbach <i>et al.</i> (2005) ⁵⁹	553	LN	BMI < 25 vs BMI > 35 kg/m ²	5 vs 10	Nil	127 vs 146*	1 vs 2	2 vs 9*	na	2.3 vs 2.4

*P < 0.05, **P < 0.01, ***P < 0.001. BMI, body mass index; LN, laparoscopic nephrectomy; na, not available; ON, open nephrectomy.

Table 4 Studies of living kidney donors in which BMI is documented as baseline demographic

Author, year	Location	N	Years of donation	Percentage followed up	Death (no.)	Age at donation (years)	BMI at donation (kg/m ²)	Years since nephrectomy	Outcome
Torres <i>et al.</i> (1986) ⁷⁶	USA	100	1963–1973	69%	5	37 ± 12	na	at least 10	Weight at donation is an independent predictor of follow-up BP
Gracida <i>et al.</i> (2002) ⁷⁵	Mexico	574	1992–1999	73%	na	33.7 ± 11	17% BMI > 30 kg/m ²	5 ± 7	Obesity not associated with low GFR
Grossmann <i>et al.</i> (2005) ⁷⁸	Germany	152	1973–2001	93%	7	45 ± 11	26 ± 4	11 ± 7	BMI not associated with GFR, proteinuria or rise in BP post nephrectomy
Rizvi <i>et al.</i> (2005) ⁸⁰	Pakistan	734	1986–2004	57%	5	36 ± 11	Na	3 ± 3	Obesity associated with hypertension and incident diabetes
Heimbach <i>et al.</i> (2005) ⁵⁹	USA	325	1999–2003	59%	0	42 ± 1	Females 27.5 ± 0.3	0.9	Obesity associated with higher pre- and post-nephrectomy BP and glucose.
							Males 28.6 ± 0.3 kg/m ²		Obesity not associated with serum creatinine or microalbumin.

BMI, body mass index; BP, blood pressure; GFR, glomerular filtration rate.