

Table D13: Perioperative Outcomes Table for KQs 3a and 3b

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Barbalias, 1999 ⁴⁵	Arm 1(Partial nephrectomy)	Length of stay: days	41	NR	7.3	NR
Barbalias, 1999 ⁴⁵	Arm 2(Radical nephrectomy)	Length of stay: days	48	NR	8.1	NR
Barbalias, 1999 ⁴⁵	Arm 1(Partial nephrectomy)	Blood Transfusion:	41	5 years	0.8	NR
Barbalias, 1999 ⁴⁵	Arm 2(Radical nephrectomy)	Blood Transfusion:	48	5 years	1.1	NR
Bensalah, 2007 ¹¹¹	Arm 1(LPN)	Blood loss: cc or mls	50	NR	217	SD: 178
Bensalah, 2007 ¹¹¹	Arm 2(LRFA)	Blood loss: cc or mls	38	NR	24	SD: 24
Bensalah, 2007 ¹¹¹	Arm 1(LPN)	Length of stay: days	50	NR	2.9	SD: 1.6
Bensalah, 2007 ¹¹¹	Arm 2(LRFA)	Length of stay: days	38	NR	0.7	SD: 0.7
Brewer, 2012 ⁹⁸	Arm 1(MPN)	Blood loss: cc or mls	45	NR	401.8	SD: 412.7
Brewer, 2012 ⁹⁸	Arm 2(MRN)	Blood loss: cc or mls	108	NR	157.6	SD: 166.8
Brewer, 2012 ⁹⁸	Arm 1(MPN)	Blood Transfusion: patients	45	NR	8	NR
Brewer, 2012 ⁹⁸	Arm 2(MRN)	Blood Transfusion: patients	108	NR	8	NR
Brewer, 2012 ⁹⁸	Arm 1(MPN)	Conversion to radical nephrectomy: patients	45	NR	2	NR
Brewer, 2012 ⁹⁸	Arm 2(MRN)	Conversion to radical nephrectomy: patients	108	NR	NA	NR
Brewer, 2012 ⁹⁸	Arm 1(MPN)	conversion to open surgery: patients	45	NR	2	NR
Brewer, 2012 ⁹⁸	Arm 2(MRN)	conversion to open surgery: patients	108	NR	1	NR
Deklaj, 2010 ⁹⁹	Arm 1(Partial nephrectomy)	Blood loss: cc or mls	33	NR	233	NR
Deklaj, 2010 ⁹⁹	Arm 2(Radical nephrectomy)	Blood loss: cc or mls	52	NR	112	NR
Deklaj, 2010 ⁹⁹	Arm 1(Partial nephrectomy)	Blood Transfusion: cc or mls	33	NR	9.1	NR

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Deklaj, 2010 ⁹⁹	Arm 2(Radical nephrectomy)	Blood Transfusion: cc or mls	52	NR	5.8	NR
Deklaj, 2010 ⁹⁹	Arm 1(Partial nephrectomy)	conversion to open surgery: patients	33	NR	3	NR
Deklaj, 2010 ⁹⁹	Arm 2(Radical nephrectomy)	conversion to open surgery: patients	52	NR	1	NR
Deklaj, 2010 ⁹⁹	Arm 1(Partial nephrectomy)	Length of stay: days	33	NR	2.12	NR
Deklaj, 2010 ⁹⁹	Arm 2(Radical nephrectomy)	Length of stay: days	52	NR	2.02	NR
Deklaj, 2010 ¹⁴²	Arm 1(LRN)	Blood Transfusion: patients	19	NR	5.3	NR
Deklaj, 2010 ¹⁴²	Arm 2(LPN)	Blood Transfusion: patients	28	NR	7.1	NR
Deklaj, 2010 ¹⁴²	Arm 3(LAT)	Blood Transfusion: patients	19	NR	5.3	NR
Deklaj, 2010 ¹⁴²	Arm 1(LRN)	Length of stay: days	19	NR	5.3	NR
Deklaj, 2010 ¹⁴²	Arm 2(LPN)	Length of stay: days	28	NR	7.1	NR
Deklaj, 2010 ¹⁴²	Arm 3(LAT)	Length of stay: days	19	NR	5.3	NR
Deklaj, 2010 ¹⁴²	Arm 1(LRN)	conversion to open surgery: patients	19	NR	0	NR
Deklaj, 2010 ¹⁴²	Arm 2(LPN)	conversion to open surgery: patients	28	NR	1	NR
Deklaj, 2010 ¹⁴²	Arm 3(LAT)	conversion to open surgery: patients	19	NR	0	NR
Desai, 2005 ¹¹²	Arm 1(Laparoscopic PN)	Blood Transfusion: patients	153	NR	7	NR
Desai, 2005 ¹¹²	Arm 2(Cryoablation)	Blood Transfusion: patients	78	NR	0	NR
Desai, 2005 ¹¹²	Arm 1(Laparoscopic PN)	conversion to open surgery: patients	153	NR	1	NR
Desai, 2005 ¹¹²	Arm 2(Cryoablation)	conversion to open surgery: patients	78	NR	0	NR
Emara, 2014 ¹¹³	NA(Cryoablation)	Conversion to radical nephrectomy: patients	56	NR	0	NR
Emara, 2014 ¹¹³	NA(Robot assisted partial nephrectomy)	Conversion to radical nephrectomy: patients	47	NR	2	NR
Emara, 2014 ¹¹³	NA(Cryoablation)	Blood loss: cc or mls	56	NR	47.1	SD: 16.24

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Emara, 2014 ¹¹³	NA(Robot assisted partial nephrectomy)	Blood loss: cc or mls	47	NR	94.3	SD: 40.1
Emara, 2014 ¹¹³	NA(Cryoablation)	Length of stay: days	56	NR	1.679	SD: 0.175
Emara, 2014 ¹¹³	NA(Robot assisted partial nephrectomy)	Length of stay: days	47	NR	1.383	SD: 0.1237
Emara, 2014 ¹¹³	NA(Cryoablation)	Blood Transfusion: patients	56	NR	0	NR
Emara, 2014 ¹¹³	NA(Robot assisted partial nephrectomy)	Blood Transfusion: patients	47	NR	0	NR
Gratzke, 2009 ¹¹⁰	Arm 1(Retroperitoneoscopic radical nephrectomy)	Blood loss: cc or mls	36	NR	231	SD: 153
Gratzke, 2009 ¹¹⁰	Arm 2(Open radical nephrectomy)	Blood loss: cc or mls	37	NR	424	SD: 361
Gratzke, 2009 ¹¹⁰	Arm 3(Nephron-sparing surgery)	Blood loss: cc or mls	44	NR	361	SD: 360
Gratzke, 2009 ¹¹⁰	Arm 1(Retroperitoneoscopic radical nephrectomy)	Length of stay: days	36	NR	7.2	SD: 2.9
Gratzke, 2009 ¹¹⁰	Arm 2(Open radical nephrectomy)	Length of stay: days	37	NR	9.1	SD: 3.5
Gratzke, 2009 ¹¹⁰	Arm 3(Nephron-sparing surgery)	Length of stay: days	44	NR	9.6	IQR: Range: SD: 3.1
Gratzke, 2009 ¹¹⁰	Arm 1(Retroperitoneoscopic radical nephrectomy)	Blood Transfusion: patients	36	NR	4	NR
Gratzke, 2009 ¹¹⁰	Arm 2(Open radical nephrectomy)	Blood Transfusion: patients	37	NR	10	NR
Gratzke, 2009 ¹¹⁰	Arm 3(Nephron-sparing surgery)	Blood Transfusion: patients	44	NR	9	NR
Guillotreau, 2012 ¹¹⁴	Arm 1(RPN)	Blood loss: cc or mls	210	NR	200	IQR: 100-300

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Guillotreau, 2012 ¹¹⁴	Arm 2(LCA)	Blood loss: cc or mls	226	NR	75	IQR: 50-100
Guillotreau, 2012 ¹¹⁴	Arm 1(RPN)	Length of stay: days	210	NR	72	IQR: 72-96 SD: NR
Guillotreau, 2012 ¹¹⁴	Arm 2(LCA)	Length of stay: days	226	NR	48	IQR: 24-72 Range: NR SD: NR
Guillotreau, 2012 ¹¹⁴	Arm 1(RPN)	conversion to open surgery: patients	210	NR	NS	IQR: NS Range: NR SD: NR
Guillotreau, 2012 ¹¹⁴	Arm 2(LCA)	conversion to open surgery: patients	226	NR	0	IQR: 0 Range: NR SD: NR
Haramis, 2012 ¹¹⁵	Arm 1(LCA)	Blood loss: cc or mls	75	NR	66	NR
Haramis, 2012 ¹¹⁵	Arm 2(LPN)	Blood loss: cc or mls	92	NR	168.4	NR
Haramis, 2012 ¹¹⁵	Arm 1(LCA)	Blood Transfusion: patients	75	NR	3	NR
Haramis, 2012 ¹¹⁵	Arm 2(LPN)	Blood Transfusion: patients	92	NR	5	NR
Haramis, 2012 ¹¹⁵	Arm 1(LCA)	Length of stay: days	75	NR	1.6	NR
Haramis, 2012 ¹¹⁵	Arm 2(LPN)	Length of stay: days	92	NR	2	NR
Haramis, 2012 ¹¹⁵	Arm 1(LCA)	Conversion to radical nephrectomy: patients	75	NR	NA	NR
Haramis, 2012 ¹¹⁵	Arm 2(LPN)	Conversion to radical nephrectomy: patients	92	NR	3	NR
Haramis, 2012 ¹¹⁵	Arm 1(LCA)	conversion to open surgery: patients	75	NR	0	NR
Haramis, 2012 ¹¹⁵	Arm 2(LPN)	conversion to open surgery: patients	92	NR	1	NR
Iizuka, 2012 ¹⁰⁷	Arm 1(T1b-Partial Nephrectomy)	Blood loss: cc or mls	67	NR	265	IQR: NR Range: 10-2400' SD: NR
Iizuka, 2012 ¹⁰⁷	Arm 2(T1b-Radical Nephrectomy)	Blood loss: cc or mls	195	NR	282	IQR: NR Range: 5-2500' SD: NR

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Iizuka, 2012 ¹⁰⁷	Arm 3(T1a-Partial Nephrectomy)	Blood loss: cc or mls	324	NR	248	IQR: NR Range: 5-3400' SD: NR
Indudhara,1997 ⁴⁷	Arm 1(nephron sparing surgery)	Blood loss: cc or mls	35	1	390	IQR: NR Range: 100-900
Indudhara,1997 ⁴⁷	Arm 2(radical nephrectomy)	Blood loss: cc or mls	71	1	150	Range: 90-390
Indudhara,1997 ⁴⁷	Arm 1(nephron sparing surgery)	Blood Transfusion: patients	35	1	1.7	Range: 0-4
Indudhara,1997 ⁴⁷	Arm 2(radical nephrectomy)	Blood Transfusion: patients	71	1	0.85	Range: 0-3
Indudhara,1997 ⁴⁷	Arm 1(nephron sparing surgery)	Length of stay: days	35	1	7	Range: 5 to 19
Indudhara,1997 ⁴⁷	Arm 2(radical nephrectomy)	Length of stay: days	71	1	5	Range: 5 to 9
Janetschek, 2000 ¹⁰⁰	Arm 1(Wedge-resection)	Blood loss: cc or mls	25	NR	287	Range: 20-800
Janetschek, 2000 ¹⁰⁰	Arm 2(Laparoscopic radical nephrectomy)	Blood loss: cc or mls	73	NR	170	IQR: Range: 0-1500 SD:
Janetschek, 2000 ¹⁰⁰	Arm 1(Wedge-resection)	Length of stay: days	25	NR	5.8	Range: 3-8
Janetschek, 2000 ¹⁰⁰	Arm 2(Laparoscopic radical nephrectomy)	Length of stay: days	73	NR	7.2	Range: 3-32
Janetschek, 2000 ¹⁰⁰	Arm 1(Wedge-resection)	conversion to open surgery: patients	25	NR	0	NR
Janetschek, 2000 ¹⁰⁰	Arm 2(Laparoscopic radical nephrectomy)	conversion to open surgery: patients	73	NR	0	NR
Kaowalczyk, 2013 ¹⁴⁴	Arm 1(Ablation)	Blood Transfusion: patients	211	30 days	14	NR
Kaowalczyk, 2013 ¹⁴⁴	Arm 2(MIPN)	Blood Transfusion: patients	160	30 days	NR	NR
Kaowalczyk, 2013 ¹⁴⁴	Arm 3(OPN)	Blood Transfusion: patients	330	30 days	46	NR
Kaowalczyk, 2013 ¹⁴⁴	Arm 4(MIRN)	Blood Transfusion: patients	535	30 days	31	NR
Kaowalczyk, 2013 ¹⁴⁴	Arm 5(ORN)	Blood Transfusion: patients	404	30 days	37	NR

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Kaowalczyk, 2013 ¹⁴⁴	Arm 1(Ablation)	Length of stay: days	211	NA	2.3	SD: 2.5
Kaowalczyk, 2013 ¹⁴⁴	Arm 2(MIPN)	Length of stay: days	160	NA	3.7	SD: 3.1
Kaowalczyk, 2013 ¹⁴⁴	Arm 3(OPN)	Length of stay: days	330	NA	5.4	SD: 4.3
Kaowalczyk, 2013 ¹⁴⁴	Arm 4(MIRN)	Length of stay: days	535	NA	3.9	SD: 2.8
Kaowalczyk, 2013 ¹⁴⁴	Arm 5(ORN)	Length of stay: days	404	NA	5.4	SD: 3.6
Kim, 2003 ¹⁰¹	Arm 1(Partial nephrectomy)	Blood loss: cc or mls	79	NR	391.2	Range: 50-1500 SD: 390.7
Kim, 2003 ¹⁰¹	Arm 2(Radical nephrectomy)	Blood loss: cc or mls	35	NR	372.4	Range: 50-1900 SD: 423.7
Kim, 2003 ¹⁰¹	Arm 1(Partial nephrectomy)	Blood Transfusion: patients	79	NR	4 (5.1%)	NR
Kim, 2003 ¹⁰¹	Arm 2(Radical nephrectomy)	Blood Transfusion: patients	35	NR	2 (5.7%)	NR
Kim, 2003 ¹⁰¹	Arm 1(Partial nephrectomy)	Conversion to radical nephrectomy: patients	79	NR	1	NR
Kim, 2003 ¹⁰¹	Arm 2(Radical nephrectomy)	Conversion to radical nephrectomy: patients	35	NR	0	NR
Kim, 2003 ¹⁰¹	Arm 1(Partial nephrectomy)	Length of stay: days	79	NR	2.8	Range: 1-6
Kim, 2003 ¹⁰¹	Arm 2(Radical nephrectomy)	Length of stay: days	35	NR	3.2	Range: 1-9
Kiriluk, 2011 ¹¹⁶	Arm 1(LPN)	Blood loss: cc or mls	51	NR	141	Range: 10 - 600
Kiriluk, 2011 ¹¹⁶	Arm 2(LAT)	Blood loss: cc or mls	51	NR	54.2	Range: 0 - 300
Kiriluk, 2011 ¹¹⁶	Arm 1(LPN)	Blood Transfusion: patients	51	NR	4	NR
Kiriluk, 2011 ¹¹⁶	Arm 2(LAT)	Blood Transfusion: patients	51	NR	5	NR
Kiriluk, 2011 ¹¹⁶	Arm 1(LPN)	Length of stay: days	51	NR	1.7	Range: 1 - 5
Kiriluk, 2011 ¹¹⁶	Arm 2(LAT)	Length of stay: days	51	NR	1.67	Range: 0 - 12
Kiriluk, 2011 ¹¹⁶	Arm 1(LPN)	conversion to open surgery: patients	51	NR	4	NR
Kiriluk, 2011 ¹¹⁶	Arm 2(LAT)	conversion to open surgery: patients	51	NR	0	NR
Klatte, 2011 ¹²⁸	Arm 1(Cryoablation)	Blood Transfusion: patients	41	NR	0	NR

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Klatte, 2011 ¹²⁸	Arm 2(PN)	Blood Transfusion: patients	82	NR	1	NR
Kopp, 2014 ⁶⁶	Arm 1(RN)	Blood loss: cc or mls	122	NR	225	IQR: 100-400
Kopp, 2014 ⁶⁶	Arm 2(PN)	Blood loss: cc or mls	80	NR	325	IQR: 200-500
Kopp, 2014 ⁶⁶	Arm 1(RN)	Blood Transfusion: patients	122	NR	20	NR
Kopp, 2014 ⁶⁶	Arm 2(PN)	Blood Transfusion: patients	80	NR	13	NR
Kopp, 2014 ⁶⁶	Arm 1(RN)	Length of stay: days	122	NR	6	IQR: 4-14'
Kopp, 2014 ⁶⁶	Arm 2(PN)	Length of stay: days	80	NR	7	IQR: 6-10'
Matin, 2002 ¹⁰⁵	Arm 1(Nephron sparing surgery)	Blood loss: cc or mls	82	NR	200	Range: 150-300
Matin, 2002 ¹⁰⁵	Arm 2(Laparoscopic radical nephrectomy)	Blood loss: cc or mls	35	NR	100	Range: 50-150
Matin, 2002 ¹⁰⁵	Arm 1(Nephron sparing surgery)	Length of stay: days	82	NR	5	Range: 5-7
Matin, 2002 ¹⁰⁵	Arm 2(Laparoscopic radical nephrectomy)	Length of stay: days	35	NR	1	Range: 1-2
Miyamoto, 2012 ⁷⁶	Arm 1(RN)	Blood loss: cc or mls	152	NR	895.1	SD: 73.6
Miyamoto, 2012 ⁷⁶	Arm 2(PN)	Blood loss: cc or mls	59	NR	293.5	SD: 38.9
Miyamoto, 2012 ⁷⁶	Arm 1(RN)	Blood loss: cc or mls	152	Not Specified	895.1	SD: 73.6
Miyamoto, 2012 ⁷⁶	Arm 2(PN)	Blood loss: cc or mls	59	Not Specified	293.5	SD: 38.9
Mues, 2012 ¹²⁰	Arm 1(Ablation)	Blood loss: cc or mls	98	NR	50	Range: 5-400
Mues, 2012 ¹²⁰	Arm 2(PN)	Blood loss: cc or mls	100	NR	400	Range: 25-3900
Mues, 2012 ¹²⁰	Arm 1(Ablation)	Blood Transfusion: patients	98	NR	0	NR
Mues, 2012 ¹²⁰	Arm 2(PN)	Blood Transfusion: patients	100	NR	1	NR
Mues, 2012 ¹²⁰	Arm 1(Ablation)	Length of stay: days	98	NR	1.7	Range: 1.0-8.0
Mues, 2012 ¹²⁰	Arm 2(PN)	Length of stay: days	100	NR	4.1	Range: 1.0-21.0
Pascal, 2011 ¹¹⁷	Arm 1(LPN)	Blood loss: cc or mls	48	NR	391.3	SD: 692

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Pascal, 2011 ¹¹⁷	Arm 2(Laparoscopic Renal cryoablation)	Blood loss: cc or mls	30	NR	162.4	SD: 163.2
Pascal, 2011 ¹¹⁷	Arm 1(LPN)	Blood Transfusion: patients	48	NR	8	NR
Pascal, 2011 ¹¹⁷	Arm 2(Laparoscopic Renal cryoablation)	Blood Transfusion: patients	30	NR	1	NR
Pascal, 2011 ¹¹⁷	Arm 1(LPN)	Length of stay: days	48	NR	4.6	SD: 2.9
Pascal, 2011 ¹¹⁷	Arm 2(Laparoscopic Renal cryoablation)	Length of stay: days	30	NR	2.4	SD: 2.2
Pascal, 2011 ¹¹⁷	Arm 1(LPN)	conversion to open surgery: patients	48	NR	4	NR
Pascal, 2011 ¹¹⁷	Arm 2(Laparoscopic Renal cryoablation)	conversion to open surgery: patients	30	NR	0	NR
Permpongkoso I, 2007 ¹³⁹	Arm 1(LRN)	conversion to open surgery: patients	549	periopN A	16	NR
Permpongkoso I, 2007 ¹³⁹	Arm 2(LPN)	conversion to open surgery: patients	345	periopN A	12	NR
Permpongkoso I, 2007 ¹³⁹	Arm 3(LRA)	conversion to open surgery: patients	81	periopN A	0	NR
Roos, 2010 ¹⁰⁶	Arm 1(Partial nephrectomy (NSS), for young (<55 years old))	Blood Transfusion: patients	36	NR	9	NR
Roos, 2010 ¹⁰⁶	Arm 2(Radical nephrectomy (NSS), for young (<55 years old))	Blood Transfusion: patients	45	NR	3	NR
Roos, 2010 ¹⁰⁶	Arm 3(Partial nephrectomy, for old (>65 years old))	Blood Transfusion: patients	33	NR	7	NR
Roos, 2010 ¹⁰⁶	Arm 4(Radical nephrectomy, for old (>65 years old))	Blood Transfusion: patients	55	NR	10	NR
Roos, 2010 ¹⁰⁶	Arm 1(Partial nephrectomy (NSS), for young (<55 years old))	Length of stay: days	36	NR	8	Range: 4-17
Roos, 2010 ¹⁰⁶	Arm 2(Radical nephrectomy)	Length of stay: days	45	NR	9	Range: 5-13

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
	(NSS), for young (<55 years old))					
Roos, 2010 ¹⁰⁶	Arm 3(Partial nephrectomy, for old (>65 years old))	Length of stay: days	33	NR	7	Range: 7-15
Roos, 2010 ¹⁰⁶	Arm 4(Radical nephrectomy, for old (>65 years old))	Length of stay: days	55	NR	9	Range: 4-28
Roos, 2012 ⁵¹	Arm 1(NSS(tumor 4.1 - 7cm))	Blood Transfusion: patients	85	NR	14	NR
Roos, 2012 ⁵¹	Arm 2(RN(tumor 4.1 - 7cm))	Blood Transfusion: patients	118	NR	16	NR
Roos, 2012 ⁵¹	Arm 1(NSS(tumor >7cm))	Blood Transfusion: patients	16	NR	7	NR
Roos, 2012 ⁵¹	Arm 2(RN(tumor >7cm))	Blood Transfusion: patients	28	NR	4	NR
Shinohara, 2001 ⁵²	Arm 1(NSS)	Blood loss: cc or mls	15	NR	518	SD: 631
Shinohara, 2001 ⁵²	Arm 2(RN)	Blood loss: cc or mls	51	NR	380	SD: 330
Shinohara, 2001 ⁵²	Arm 1(NSS)	Blood Transfusion: patients	15	NR	4	NR
Shinohara, 2001 ⁵²	Arm 2(RN)	Blood Transfusion: patients	51	NR	5	NR
Tanagho, 2013 ¹²⁶	NA(Cryoablation)	Blood loss: cc or mls	267	NR	74.2	SD: 100.1
Tanagho, 2013 ¹²⁶	NA(Robot assisted partial nephrectomy)	Blood loss: cc or mls	233	NR	136.3	SD: 112.2
Tanagho, 2013 ¹²⁶	NA(Cryoablation)	Blood Transfusion: patients	267	NR	1	SD: NA
Tanagho, 2013 ¹²⁶	NA(Robot assisted partial nephrectomy)	Blood Transfusion: patients	233	NR	6	SD: NA
Tomaszewski, 2014 ⁸⁴	Overall(Overall)	Blood loss: cc or mls	1092	NR	179	SD: 257
Turna, 2009 ¹²³	Arm 1(Laparoscopic partial nephrectomy)	Blood loss: cc or mls	36	NR	408	Range: 50-4500 SD: 800

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Turna, 2009 ¹²³	Arm 2(Cryoablation)	Blood loss: cc or mls	36	NR	151	Range: 10-800 SD: 171
Turna, 2009 ¹²³	Arm 3(Radiofrequency ablation)	Blood loss: cc or mls	29	NR	NA	NR
Turna, 2009 ¹²³	Arm 1(Laparoscopic partial nephrectomy)	Length of stay: days	36	NR	3.3	Range: 1.3-12 SD: 2.6
Turna, 2009 ¹²³	Arm 2(Cryoablation)	Length of stay: days	36	NR	1.8	Range: 0.9-6 SD: 1.3
Turna, 2009 ¹²³	Arm 3(Radiofrequency ablation)	Length of stay: days	29	NR	1	Range: 1-1
Uchinda, 2004 ⁸⁵	Arm 1(PN)	Blood loss: cc or mls	54	periopN A	600	Range: 130-2800
Uchinda, 2004 ⁸⁵	Arm 2(RN)	Blood loss: cc or mls	51	periopN A	390	Range: 65-1200
Uzzo, 1999 ⁸⁶	Arm 1(RN)	Length of stay: patients	28	NR	7	NR
Uzzo, 1999 ⁸⁶	Arm 2(NSS)	Length of stay: patients	52	NR	7.8	NR
Van Poppel, 2011 ⁸⁷	Arm 1(NSS)	Blood loss: patients	242	NR	69	NR
Van Poppel, 2011 ⁸⁷	Arm 2(Radical nephrectomy)	Blood loss: patients	290	NR	49	NR
Xu, 2014 ⁵³	Arm 1(LRN)	Blood loss: cc or mls	88	NR	235.9	SD: 411.9
Xu, 2014 ⁵³	Arm 2(ORN)	Blood loss: cc or mls	526	NR	232.1	SD: 379.5
Xu, 2014 ⁵³	Arm 3(LPN)	Blood loss: cc or mls	42	NR	191.1	SD: 166
Xu, 2014 ⁵³	Arm 4(OPN)	Blood loss: cc or mls	187	NR	231.5	SD: 222.5
Xu, 2014 ⁵³	Arm 1(LRN)	Length of stay: days	88	NR	7.6	SD: 2.4
Xu, 2014 ⁵³	Arm 2(ORN)	Length of stay: days	526	NR	9.2	SD: 3.9
Xu, 2014 ⁵³	Arm 3(LPN)	Length of stay: days	42	NR	8.5	SD: 3.1
Xu, 2014 ⁵³	Arm 4(OPN)	Length of stay: days	187	NR	9.3	SD: 3.8
Yasuda, 2013 ⁹²	Arm 1(NSS)	Blood loss: cc or mls	97	NR	150	IQR: 60-275
Yasuda, 2013 ⁹²	Arm 2(RN)	Blood loss: cc or mls	103	NR	157	IQR: 65-400
Youn, 2013 ¹³⁰	Arm 1(Open PN)	Length of stay: days	14	NR	12.28	SD: 3.29
Youn, 2013 ¹³⁰	Arm 2(Laparoscopic RFA)	Length of stay: days	41	NR	8.33	SD: 3.23

Author, year	Arm(name)	Outcome and Units	N for analysis	Time point	Outcome Value	Outcome IQR Range SD
Youn, 2013 ¹³⁰	Arm 1(Open PN)	Blood Transfusion: patients	14	NR	0	NR
Youn, 2013 ¹³⁰	Arm 2(Laparoscopic RFA)	Blood Transfusion: patients	41	NR	0	NR
Zorn, 2007 ¹⁰³	Arm 1(LPN)	Blood loss: cc or mls	42	NR	207	Range: 125-450
Zorn, 2007 ¹⁰³	Arm 2(LRN)	Blood loss: cc or mls	55	NR	121	Range: 100-600
Zorn, 2007 ¹⁰³	Arm 1(LPN)	Blood Transfusion: patients	42	NR	2	NR
Zorn, 2007 ¹⁰³	Arm 2(LRN)	Blood Transfusion: patients	55	NR	4	NR
Zorn, 2007 ¹⁰³	Arm 1(LPN)	Length of stay: days	42	NR	2.3	NR
Zorn, 2007 ¹⁰³	Arm 2(LRN)	Length of stay: days	55	NR	1.8	NR
Chang, 2015, 127	Arm 1(RFA)	Length of stay: days	27	NR	7.3	IQR: NR Range: NR SD: 2
Chang, 2015, 127	Arm 2(PN)	Length of stay: days	29	NR	7.9	IQR: NR Range: NR SD: 2.4

N=Number; GFR: Glomerular Filtration Rate; H: Hypertension; IQR: Interquartile range; LPN: Laparoscopic partial nephrectomy; LTA: Laparoscopic Thermal Ablation; NA: Not Applicable; NR: Not reported; NSM: Non surgical Management; NSS: Nephron-sparing surgery; OPN: Open partial nephrectomy; ORN: Open Radical Nephrectomy; PN: Partial Nephrectomy; RFA: Radio frequency ablation; RN Radical nephrectomy; SD: Standard deviation; OR=Odds Ratio; RD=Risk Difference; P=p value