

Uncontrolled Studies

Author, year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Larcher, 2014 ¹	Retrospective	Thermal ablation (174)	Oncologic efficacy ,Overall survival	Not reported	48 months
Larson, 2014 ²	Retrospective	Partial nephrectomy (1532)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	1month
Sandberg, 2014 ³	Prospective	Partial nephrectomy (339)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	367 and 462 year
Takagi, 2014 ⁴	Prospective cohort	Partial nephrectomy (163)	Renal functional outcomes	Not reported	12 months
Miyake, 2014 ⁵	Prospective cohort	Partial nephrectomy (48)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	NR
Keehn, 2014 ⁶	Retrospective	Partial nephrectomy (144)	Renal functional outcomes	Not reported	NR
Zargar, 2014 ⁷	Retrospective	Partial nephrectomy (266)	Renal functional outcomes	Not reported	1-2 year
Kuru, 2014 ⁸	Retrospective series	Partial nephrectomy (35)	Renal functional outcomes	Not reported	36 months
Maddox, 2014 ⁹	cohort, Retrospective	Partial nephrectomy (46)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome -	24.3 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,	
Johnson, 2014 ¹⁰	Retrospective cohort	Thermal ablation (144)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	97.9 months
Rodriguez-Faba, 2014 ¹¹	case series	Thermal ablation (28)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	25 months
McClure, 2014 ¹²	Retrospective series	Thermal ablation (84)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	24 months
Yap, 2014 ¹³	Retrospective series, national database	Partial nephrectomy (2107)	Renal functional outcomes ,Overall survival	Not reported	59 months
Curtiss, 2014 ¹⁴	case series	Partial nephrectomy (297)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,	Not reported
Cheema, 2014 ¹⁵	Retrospective	Partial nephrectomy (97)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate	2 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Tomaszewski, 2014 ¹⁶	Retrospective	Partial nephrectomy (831)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,	Not reported
Richards, 2014 ¹⁷	Retrospective	Partial nephrectomy (235)	Renal functional outcomes	Not reported	29 months
Tomaszewski, 2014 ¹⁸	case series	Partial nephrectomy (375)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Porpiglia, 2014 ¹⁹	Retrospective	Partial nephrectomy (87)	Renal functional outcomes	Not reported	Not reported
Hu, 2014 ²⁰	MC Retrospective	Partial nephrectomy (227)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	2.7 year
Mukkamala, 2014 ²¹	Retrospective	Partial nephrectomy (358)	Renal functional outcomes	Not reported	39 months
Aguilera Bazan, 2014 ²²	Retrospective Cohort	Partial nephrectomy (130)	Oncologic efficacy	Not reported	71 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Egger, 2014 ²³	MC retro	Partial nephrectomy (874)	Renal functional outcomes	Not reported	Not reported
Choo, 2014 ²⁴	retro matched	Partial nephrectomy (107)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Schmit, 2014 ²⁵	Retrospective	Thermal ablation (375)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Tay, 2014 ²⁶	Retrospective	Radical nephrectomy(65)	Oncologic efficacy	Not reported	4 year
Wahafu, 2014 ²⁷	Retrospective Cohort	Partial nephrectomy (526)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	31 months
Yeon, 2014 ²⁸	Retrospective	Partial nephrectomy (113)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Mukkamala, 2014 ²⁹	Retrospective Cohort	Partial nephrectomy (602)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	2.9 year
Bessede, 2014 ³⁰	Retrospective Cohort	Partial nephrectomy (519)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	23 months
Peyronnet, 2014 ³¹	Retrospective Cohort	Partial nephrectomy (430)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	16.7 months
Leslie, 2014 ³²	Retrospective	Partial nephrectomy (162)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Park, 2014 ³³	case series	Partial nephrectomy (98)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	47.5 months
Zeccolini, 2014 ³⁴	25	Thermal ablation (25)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Pignot, 2014 ³⁵	case series	Partial nephrectomy (570)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Schauer, 2014 ³⁶	Retrospective	Partial nephrectomy (50)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	Not reported
Borghesi, 2014 ³⁷	case series	Partial nephrectomy (96)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	Not reported
Wiener, 2014 ³⁸	case series	Partial nephrectomy (122)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	20 months
Curry, 2014 ³⁹	case series	Thermal ablation (45)	Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	30.6 months
Harris, 2014 ⁴⁰	Retrospective Cohort	Partial nephrectomy (260)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and	10.6 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Mukkamala, 2014 ⁴¹	Retrospective	Partial nephrectomy (417)	Oncologic efficacy	Not reported	1 year
Georgiades, 2014 ⁴²	Retrospective	Thermal ablation (134)	Oncologic efficacy	Not reported	Not reported
Takagi, 2013 ⁴³	Retrospective	Partial nephrectomy (122)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Chang, 2014 ⁴⁴	Retrospective	Thermal ablation (170)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	51.2 months
Veltri, 2014 ⁴⁵	Retrospective	Thermal ablation (137)	Oncologic efficacy	Not reported	39 months
Ploussard, 2013 ⁴⁶	Prospective cohort	Partial nephrectomy (65)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were	12 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				assessed /clavien grading , ,Non-urologic complications	
Lagerveld, 2014 ⁴⁷	Retrospective cohort	Thermal ablation (97)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	37.7 months
Bigot, 2014 ⁴⁸	Retrospective Cohort	Partial nephrectomy (168)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Not reported	30 months
Sea, 2013 ⁴⁹	Retrospective	Partial nephrectomy (119)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	8.9 months
Ramirez, 2014 ⁵⁰	Retrospective	Thermal ablation (79)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	59 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Hakky, 2014 ⁵¹	Retrospective cohort	Partial nephrectomy (166)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
George, 2014 ⁵²	Retrospective cohort	Partial nephrectomy (488)	Renal functional outcomes	Not reported	41.6 months
Funahashi, 2014 ⁵³	retro single inst	Partial nephrectomy (58)	Renal functional outcomes	Not reported	Not reported
Kreshover, 2013 ⁵⁴	Retrospective Cohort	Partial nephrectomy (360)	Oncologic efficacy	Not reported	34 months
Wah, 2014 ⁵⁵	Retrospective	Thermal ablation (165)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	46.1 months
Seideman, 2013 ⁵⁶	Retrospective	Thermal ablation (199)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	Not reported
Ma, 2014 ⁵⁷	Retrospective	Thermal ablation (52)	Oncologic efficacy ,Renal functional outcomes	Not reported	60 months
Autorino, 2014 ⁵⁸	Retrospective Cohort	Partial nephrectomy (65)	Renal functional outcomes	Study reports final health outcomes	15.7 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Seklehner, 2013 ⁵⁹	retro single-institution	Thermal ablation (40)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	2 year
Lee, 2014 ⁶⁰	retro single-inst	Partial nephrectomy (369)	Renal functional outcomes	Not reported	1 year
Golan, 2014 ⁶¹	retro single inst	Partial nephrectomy (206)	Renal functional outcomes	Not reported	7 months
Sea, 2013 ⁶²	retro single inst	Partial nephrectomy (119)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	9 months
Yang, 2014 ⁶³	retro single inst	Thermal ablation (51)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	32 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Kobayashi, 2013 ⁶⁴	Retrospective	Partial nephrectomy (99)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Qi, 2013 ⁶⁵	retro	Partial nephrectomy (51)	Renal functional outcomes	Not reported	Not reported
Ioffe, 2013 ⁶⁶	retro single inst	Partial nephrectomy (118)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Porpiglia, 2013 ⁶⁷	retro single inst	Partial nephrectomy (206)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Schmit, 2013 ⁶⁸	retro single inst	Thermal ablation (189)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and	18 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Mathieu, 2013 ⁶⁹	Retrospective	Partial nephrectomy (240)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Krane, 2013 ⁷⁰	Retrospective case series	Partial nephrectomy (233)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	27 months
Mir, 2013 ⁷¹	92	Partial nephrectomy (92)	Renal functional outcomes	Not reported	Not reported
Alyami, 2013 ⁷²	case series	Partial nephrectomy (52)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Khalifeh, 2013 ⁷³	Retrospective Cohort	Partial nephrectomy (943)	Oncologic efficacy	Not reported	17.3 months
Mehrazin, 2013 ⁷⁴	MC retro	Partial nephrectomy (322)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	25 months
Allen, 2013 ⁷⁵	case series	Thermal ablation (38)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	2.8 year
Zhang, 2014 ⁷⁶	retro single inst	Partial nephrectomy (245)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Khalifeh, 2013 ⁷⁷	case series	Partial nephrectomy (134)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate	3 year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Eyraud, 2013 ⁷⁸	retro single inst	Partial nephrectomy (364)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	7 months
Breen, 2013 ⁷⁹	retro single inst	Thermal ablation (147)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	20 months
Masson-Lecomte, 2013 ⁸⁰	Retrospective Cohort	Partial nephrectomy (220)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	26 months
Kiziloz, 2013 ⁸¹	Retrospective cohort	Partial nephrectomy (283)	,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative	1month

Author, year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Gorin, 2013 ⁸²	case series	Partial nephrectomy (257)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Karam, 2013 ⁸³	case series	Thermal ablation (150)	Oncologic efficacy ,Overall survival	Not reported	40.1 months
Ching, 2013 ⁸⁴	Restrospective Cohort	Partial nephrectomy (282)	Renal functional outcomes	Not reported	175 months
Osawa, 2013 ⁸⁵	Retrospective cohort	Partial nephrectomy (71)	Renal functional outcomes	Not reported	92 months
Tanagho, 2013 ⁸⁶	Prospective cohort	Partial nephrectomy (886)	Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	1month
Balageas, 2013 ⁸⁷	Retrospective cohort	Thermal ablation (62)	Oncologic efficacy, Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	78 months
Chen, 2013 ⁸⁸	Retrospective Cohort	Thermal ablation (96)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	16 months
Abaza, 2013 ⁸⁹	Retrospective Cohort	Partial nephrectomy (150)	Renal functional outcomes	Study reports final health outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Campero, 2012 ⁹⁰	retro single surg	Partial nephrectomy (100)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	42 months
Springer, 2013 ⁹¹	retro single inst	Radical nephrectomy(56)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	14 months
Pertia, 2012 ⁹²	retro single inst, cT1b	Partial nephrectomy (57)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	70 months
Simhan, 2013 ⁹³	retro single inst, multifocal tumors	Partial nephrectomy (97)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and	24 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Hung, 2013 ⁹⁴	retro single surg	Partial nephrectomy (534)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Erdem, 2013 ⁹⁵	Prospective cohort study	Partial nephrectomy (66)	Renal functional outcomes	Not reported	Not reported
Hillyer, 2013 ⁹⁶	MC retro, solitary kidney	Partial nephrectomy (26)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	6 months
Kim, 2013 ⁹⁷	retro single inst	Thermal ablation (124)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	30 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Kaczmarek, 2013 ⁹⁸	MC retro, matched off-clamp	Partial nephrectomy (886)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	21 months
Cai, 2012 ⁹⁹	MC retro	Radical nephrectomy(1147)	Oncologic efficacy ,Overall survival	Not reported	61 months
Shao, 2013 ¹⁰⁰	Retrospective cohort	Partial nephrectomy (82)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	31 months
Blute, 2013 ¹⁰¹	retro single inst	Thermal ablation (139)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	24 months
Isac, 2012 ¹⁰²	retro single inst	Partial nephrectomy (250)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Yap, 2013 ¹⁰³	Retrospective cohort study	Radical nephrectomy(1651)	Oncologic efficacy ,Overall survival	Not reported	10 year
Akaiyata, 2013 ¹⁰⁴	Retrospective cohort study	Radical nephrectomy(95)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	Not reported
Guillotreau, 2012 ¹⁰⁵	Prospective cohort study	Partial nephrectomy (355)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	10 months
Long, 2012 ¹⁰⁶	Retrospective Cohort	Partial nephrectomy (381)	Renal functional outcomes	Not reported	3.1 months
Abaza, 2013 ¹⁰⁷	Retrospective Cohort	Partial nephrectomy (150)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,	8.5 months
Sejima, 2013 ¹⁰⁸	Retrospective cohort study	Radical nephrectomy(92)	Oncologic efficacy ,Overall survival	Not reported	5 year
Okhunov, 2012 ¹⁰⁹	Retrospective cohort study	Thermal ablation (210)	Not reported	Harms and peri-operative outcome - Give an adequate description of how	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	
Bylund, 2012 ¹¹⁰	Retrospective cohort study	Partial nephrectomy (162)	Renal functional outcomes	Not reported	Not reported
Kim, 2012 ¹¹¹	case series	Thermal ablation (47)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	49.6 months
Png, 2013 ¹¹²	Retrospective cohort study	Partial nephrectomy (83)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	3 months
Ficarra, 2012 ¹¹³	Retrospective Cohort	Partial nephrectomy (49)	Oncologic efficacy ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	12 months
Psutka, 2013 ¹¹⁴	Retrospective cohort study	Thermal ablation (185)	Oncologic efficacy ,Overall survival	Not reported	13 year
Sandhu, 2013 ¹¹⁵	Retrospective Cohort	Partial nephrectomy (39)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Sankin, 2012 ¹¹⁶	Retrospective cohort study	Partial nephrectomy (32)	Renal functional outcomes	Not reported	Not reported
Tanagho, 2012 ¹¹⁷	Retrospective cohort study	Thermal ablation (62)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	89.4 months
Buethel, 2012 ¹¹⁸	Retrospective cohort study	Partial nephrectomy (42)	Renal functional outcomes	Not reported	6 months
Kim, 2012 ¹¹⁹	Retrospective cohort study	Partial nephrectomy (65)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	2 year
Long, 2013 ¹²⁰	Retrospective cohort study	Partial nephrectomy (177)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Favaretto, 2013 ¹²¹		Partial nephrectomy (150)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Not reported	70 months
Simmons, 2012 ¹²²	Retrospective Cohort	Partial nephrectomy (299)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1.7 year
Shao, 2012 ¹²³	Retrospective cohort study	Partial nephrectomy (125)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and	27 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Berg, 2012 ¹²⁴	Retrospective cohort study	Partial nephrectomy (44)	Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,	45 months
Tugcu, 2011 ¹²⁵	retro single surgeon	Partial nephrectomy (49)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	11 months
Takagi, 2012 ¹²⁶	Retrospective cohort	Partial nephrectomy (195)	Renal functional outcomes	Not reported	Not reported
Kim, 2013 ¹²⁷	Nationwide Inpatient Sample	Partial nephrectomy (8944)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	3 months
Tsvian, 2012 ¹²⁸	Retrospective cohort	Partial nephrectomy (147)	Not reported	Harms and peri-operative outcome - Give an adequate description of how	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Mayer, 2012 ¹²⁹	Retrospective cohort	Partial nephrectomy (67)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	Not reported
Kyllo, 2012 ¹³⁰	Retrospective cohort	Partial nephrectomy (124)	Oncologic efficacy	Not reported	29 months
Tanagho, 2012 ¹³¹	case series	Partial nephrectomy (42)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	3.3 months
Reyes, 2013 ¹³²	retro single inst	Thermal ablation (39)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	24 months
Novak, 2012 ¹³³	Retrospective cohort	Partial nephrectomy (57)	Renal functional outcomes	Not reported	6 months
Jack, 2012 ¹³⁴	retro single inst	Partial nephrectomy (50)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how	36 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Kong, 2012 ¹³⁵	Retrospective cohort	Partial nephrectomy (195)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	Not reported
Tatsugami, 2012 ¹³⁶	retro single inst	Partial nephrectomy (51)	Renal functional outcomes	Not reported	3 months
Sobey, 2012 ¹³⁷	retro single inst	Partial nephrectomy (145)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	17 months
Porpiglia, 2012 ¹³⁸	retro single inst	Partial nephrectomy (54)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	4 year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Thompson, 2012 ¹³⁹	Retrospective cohort	Partial nephrectomy (362)	Renal functional outcomes	Not reported	1.6 year
Kruck, 2012 ¹⁴⁰	Retrospective cohort	Partial nephrectomy (81)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Ficarra, 2012 ¹⁴¹	Retrospective cohort	Partial nephrectomy (349)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Saito, 2012 ¹⁴²	MC retro	Partial nephrectomy (1375)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	26 months
Funahashi, 2012 ¹⁴³	retro single inst	Partial nephrectomy (32)	Renal functional outcomes	Not reported	6 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Tsivian, 2012 ¹⁴⁴	Retrospective cohort	Thermal ablation (172)	Oncologic efficacy	Not reported	12 months
Duffey, 2012 ¹⁴⁵	case series	Thermal ablation (116)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	2704 months
Wehrenberg-Klee, 2012 ¹⁴⁶	Retrospective cohort	Thermal ablation (48)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1 year
Erdeljan, 2011 ¹⁴⁷	retro single inst	Thermal ablation (30)	Oncologic efficacy ,Overall survival	Not reported	Not reported
Wang, 2011 ¹⁴⁸	retro single inst	Partial nephrectomy (74)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	31 months
Kim, 2011 ¹⁴⁹	case series	Thermal ablation (49)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	31.7 months
Mufarrij, 2011 ¹⁵⁰	retro single surgeon	Partial nephrectomy (100)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	7.2 months
Hyams, 2011 ¹⁵¹	MC retro	Partial nephrectomy (998)	Not reported	Only Harms -Primary objective of the study is to assess the	20 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications ,Urologic complications ,	
Lifshitz, 2011 ¹⁵²	Retrospective cohort	Partial nephrectomy (184)	Renal functional outcomes	Not reported	15 months
Minervini, 2012 ¹⁵³	Prospective cohort	Partial nephrectomy (200)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,	Not reported
Porpiglia, 2012 ¹⁵⁴	case series	Partial nephrectomy (51)	Renal functional outcomes	Not reported	12 months
Wheat, 2013 ¹⁵⁵	Retrospective cohort	Partial nephrectomy (329)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	Not reported
Godoy, 2011 ¹⁵⁶	Retrospective cohort	Partial nephrectomy (75)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,	Not reported
Caceres, 2011 ¹⁵⁷	Retrospective cohort	Partial nephrectomy (60)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	31 months
Simhan, 2011 ¹⁵⁸	Retrospective Cohort	Partial nephrectomy (390)	Not reported	Harms and peri-operative outcome - Give an adequate description of how	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Halachmi, 2011 ¹⁵⁹	case series	Partial nephrectomy (229)	Oncologic efficacy	Not reported	45 months
Cha, 2013 ¹⁶⁰	Retrospective cohort study	Partial nephrectomy (53)	Renal functional outcomes	Not reported	52.3 months
Song, 2011 ¹⁶¹	Retrospective cohort	Partial nephrectomy (116)	Renal functional outcomes	Not reported	Not reported
Zagoria, 2011 ¹⁶²	Retrospective cohort	Thermal ablation (41)	Oncologic efficacy	Not reported	56 months
Mues, 2011 ¹⁶³	case series	Partial nephrectomy (100)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	8 months
Pouliot, 2011 ¹⁶⁴	Restrospective Cohort	Partial nephrectomy (182)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Rosenberg, 2011 ¹⁶⁵	Retrospective cohort	Thermal ablation (107)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	9.3 months
Lane, 2011 ¹⁶⁶	Retrospective cohort	Partial nephrectomy (1132)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1.5 year
Choi, 2010 ¹⁶⁷	Retrospective cohort study	Partial nephrectomy (44)	Renal functional outcomes	Not reported	3 months
Becker, 2011 ¹⁶⁸	Retrospective cohort	Partial nephrectomy (91)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	28 months
White, 2011 ¹⁶⁹	Restrospective Cohort	Partial nephrectomy (112)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Arai, 2011 ¹⁷⁰	Retrospective cohort	Partial nephrectomy (32)	Renal functional outcomes	Not reported	Not reported
Mottrie, 2013 ¹⁷¹	Retrospective cohort study	Partial nephrectomy (62)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Ji, 2011 ¹⁷²	Prospective cohort	Thermal ablation (106)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	32 months
Tsivian, 2011 ¹⁷³	Retrospective cohort study	Partial nephrectomy (111)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	18.7 months
Muramaki, 2011 ¹⁷⁴	710	Radical nephrectomy(710)	Oncologic efficacy	Not reported	36 months
Minervini, 2011 ¹⁷⁵	Prospective Cohort	Partial nephrectomy (164)	Oncologic efficacy ,Overall survival	Not reported	38 months
Hayn, 2011 ¹⁷⁶	Retrospective Cohort	Partial nephrectomy (141)	Renal functional outcomes	Study reports final health outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Davis, 2012 ¹⁷⁷	Retrospective Cohort	Thermal ablation (36)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	12 months
Dulabon, 2011 ¹⁷⁸	Prospective cohort study	Partial nephrectomy (446)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	45 months
Coffin, 2011 ¹⁷⁹	Retrospective cohort study	Partial nephrectomy (155)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	289 months
Kong, 2011 ¹⁸⁰	Retrospective cohort study	Thermal ablation (63)	Oncologic efficacy ,Overall survival	Not reported	34 months
Schmit, 2010 ¹⁸¹	Retrospective cohort study	Thermal ablation (45)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading , ,Non-urologic complications	38 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Clark, 2011 ¹⁸²	Retrospective Cohort	Partial nephrectomy (1228)	Renal functional outcomes	Not reported	1 year
Wszolek, 2011 ¹⁸³	Retrospective cohort study	Partial nephrectomy (104)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	10 year
Beemster, 2011 ¹⁸⁴	Retrospective cohort study	Thermal ablation (92)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Not reported	30.2 months
Porpiglia, 2011 ¹⁸⁵	case series	Partial nephrectomy (100)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Smith, 2011 ¹⁸⁶	case series	Partial nephrectomy (308)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Samplaski, 2010 ¹⁸⁷	case series	Partial nephrectomy (131)	Renal functional outcomes	Not reported	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Marszalek, 2011 ¹⁸⁸	Retrospective cohort	Partial nephrectomy (105)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Ferakis, 2010 ¹⁸⁹	case series	Thermal ablation (31)	Oncologic efficacy	Not reported	61 months
Dente, 2010 ¹⁹⁰	Prospective cohort	Partial nephrectomy (96)	Renal functional outcomes	Not reported	1month
Montag, 2011 ¹⁹¹	case series	Partial nephrectomy (640)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Non-urologic complications	Not reported
Thompson, 2010 ¹⁹²	case series	Partial nephrectomy (362)	Renal functional outcomes	Not reported	1.6 year
Pettus, 2010 ¹⁹³	Retrospective cohort	Thermal ablation (62)	Renal functional outcomes	Not reported	1 year
Atwell, 2010 ¹⁹⁴	Retrospective cohort	Thermal ablation (92)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Non-urologic complications	26 months
Lyrdal, 2010 ¹⁹⁵	Retrospective cohort	Thermal ablation (41)	Renal functional outcomes	Not reported	27 months
Lin, 2010 ¹⁹⁶	Retrospective cohort	Partial nephrectomy (45)	Renal functional outcomes	Not reported	Not reported
Rodriguez, 2011 ¹⁹⁷	case series	Thermal ablation (113)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	1 year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Waldert, 2010 ¹⁹⁸	case series	Partial nephrectomy (240)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Guazzoni, 2010 ¹⁹⁹	Retrospective cohort	Thermal ablation (123)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	24 months
Tracy, 2010 ²⁰⁰	Retrospective Cohort	Thermal ablation (215)	Oncologic efficacy	Not reported	3 year
Netsch, 2010 ²⁰¹	case series	Partial nephrectomy (329)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Non-urologic complications	23 months
Colli, 2011 ²⁰²	case series	Partial nephrectomy (141)	Renal functional outcomes	Not reported	6 months
Karellas, 2010 ²⁰³	Retrospective Cohort	Partial nephrectomy (34)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	17 months
Forsberg, 2010 ²⁰⁴	Retrospective Cohort	Partial nephrectomy (89)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	79 months
Beemster, 2010 ²⁰⁵	Prospective cohort	Thermal ablation (57)	,Quality of life ,	Not reported	Not reported
Ko, 2010 ²⁰⁶	case series	Thermal ablation (39)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Only Harms -Primary objective of the study is to assess the complications ,Urologic	23.5 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications ,Non-urologic complications	
Msezane, 2010 ²⁰⁷	case series	Partial nephrectomy (184)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	20 months
Aguilera Bazan, 2010 ²⁰⁸	Retrospective Cohort	Partial nephrectomy (38)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Ham, 2010 ²⁰⁹	Prospective	Thermal ablation (37)	Oncologic efficacy	Not reported	Not reported
Mottrie, 2010 ²¹⁰	Prospective	Partial nephrectomy (62)	Renal functional outcomes	Not reported	Not reported
Schmit, 2010 ²¹¹	Retrospective Cohort	Thermal ablation (108)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Non-urologic complications	Not reported
Park, 2010 ²¹²	Retrospective Cohort	Partial nephrectomy (35)	Renal functional outcomes	Not reported	Not reported
Huber, 2010 ²¹³	Retrospective Cohort	Partial nephrectomy (196)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Non-urologic complications	Not reported
Jeon, 2010 ²¹⁴	Retrospective Cohort	Partial nephrectomy (376)	Renal functional outcomes	Study reports final health outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Shikanov, 2010 ²¹⁵	Retrospective Cohort	Partial nephrectomy (401)	Renal functional outcomes	Not reported	Not reported
Kundu, 2010 ²¹⁶	Retrospective Cohort	Partial nephrectomy (118)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,	Not reported
Porpiglia, 2010 ²¹⁷	Retrospective Cohort	Partial nephrectomy (63)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Kava, 2010 ²¹⁸	Retrospective Cohort	Partial nephrectomy (163)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Benway, 2010 ²¹⁹	Retrospective Cohort	Partial nephrectomy (183)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications ,Non-urologic complications	
Roos, 2010 ²²⁰	Retrospective cohort study	Partial nephrectomy (851)	Oncologic efficacy ,Renal functional outcomes	Not reported	24.1 year
Aron, 2010 ²²¹	Retrospective Cohort	Thermal ablation (80)	Oncologic efficacy	Not reported	Not reported
Scoll, 2010 ²²²	Retrospective Cohort	Partial nephrectomy (100)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Yoost, 2010 ²²³	Retrospective cohort	Thermal ablation (35)	Oncologic efficacy	Not reported	13 months
Lifshitz, 2010 ²²⁴	Prospective cohort study	Partial nephrectomy (184)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Non-urologic complications	30 months
Lifshitz, 2010 ²²⁵	Retrospective Cohort	Partial nephrectomy (184)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Patel, 2010 ²²⁶	Retrospective Cohort	Partial nephrectomy (71)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Tsivian, 2010 ²²⁷	Retrospective Cohort	Thermal ablation (163)	Oncologic efficacy	Not reported	Not reported
Zheng, 2009 ²²⁸	Prospective	Partial nephrectomy (56)	Renal functional outcomes	Not reported	Not reported
Gill, 2010 ²²⁹	Retrospective Cohort	Partial nephrectomy (800)	Renal functional outcomes	Not reported	3.4 year
Lebed, 2010 ²³⁰	Retrospective cohort study	Partial nephrectomy (36)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	51 months
Malcolm, 2010 ²³¹	Retrospective Cohort	Thermal ablation (62)	Renal functional outcomes	Not reported	30 months
Corcoran, 2009 ²³²	Retrospective cohort study	Partial nephrectomy (105)	Oncologic efficacy ,Renal functional outcomes, Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	80 months
Hiraoka, 2009 ²³³	case series	Thermal ablation (40)	Oncologic efficacy	Not reported	16 months
Thomas, 2009 ²³⁴	Retrospective Cohort	Partial nephrectomy (832)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Rouach, 2010 ²³⁵	Retrospective cohort	Partial nephrectomy (305)	Oncologic efficacy	Not reported	80 months
Ficarra, 2009 ²³⁶	retro single inst	Partial nephrectomy (164)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Gupta, 2009 ²³⁷	case series	Thermal ablation (151)	Oncologic efficacy ,Overall survival	Not reported	18 months
Ku, 2009 ²³⁸	Retrospective cohort	Radical nephrectomy(102)	Oncologic efficacy ,Overall survival	Not reported	58.5 months
Laguna, 2009 ²³⁹	case series	Thermal ablation (144)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Srivastava, 2009 ²⁴⁰	Retrospective Cohort	Partial nephrectomy (102)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Non-urologic complications	Not reported
Stern, 2009 ²⁴¹	Retrospective Cohort	Thermal ablation (63)	Oncologic efficacy ,Renal functional outcomes	Not reported	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Godoy, 2009 ²⁴²	Retrospective Cohort	Partial nephrectomy (101)	Renal functional outcomes	Not reported	6 months
La Rochelle, 2009 ²⁴³	Retrospective Cohort	Partial nephrectomy (84)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	40 months
Badger, 2009 ²⁴⁴	case series	Thermal ablation (27)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	22 months
Carrafiello, 2008 ²⁴⁵	Prospective	Thermal ablation (26)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	6 months
Joniau, 2009 ²⁴⁶	case series	Partial nephrectomy (67)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Not reported	40.1 months
Li, 2008 ²⁴⁷	case series	Partial nephrectomy (115)	Oncologic efficacy ,Overall survival	Not reported	65 months
Peycelon, 2009 ²⁴⁸	case series	Partial nephrectomy (61)	Oncologic efficacy ,Overall survival	Not reported	70.7 months
Nadu, 2009 ²⁴⁹	Retrospective cohort	Partial nephrectomy (212)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	1.5 months
Celia, 2008 ²⁵⁰	cohort	Partial nephrectomy (592)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	3 year
Kefer, 2008 ²⁵¹	case control	Partial nephrectomy (94)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were	1month

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Lane, 2008 ²⁵²	case series	Partial nephrectomy (1169)	Renal functional outcomes	Not reported	1.5 year
Stein, 2008 ²⁵³	case series	Thermal ablation (30)	Oncologic efficacy	Not reported	25.2 months
Iida, 2008 ²⁵⁴	case series	Partial nephrectomy (131)	Renal functional outcomes	Not reported	41 months
Crispen, 2008 ²⁵⁵	case series	Partial nephrectomy (798)	Oncologic efficacy ,Overall survival	Not reported	5.4 year
Okegawa, 2008 ²⁵⁶	cohort	Radical nephrectomy(53 vs 47)	Oncologic efficacy	Not reported	34 months
Georgiades, 2008 ²⁵⁷	case series	Thermal ablation (46)	Oncologic efficacy ,Renal functional outcomes	Not reported	7 months
Veltri, 2009 ²⁵⁸	Prospective	Thermal ablation (71)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	24.4 months
Pyo, 2008 ²⁵⁹	Retrospective cohort	Partial nephrectomy (110)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	35 months
Weizer, 2008 ²⁶⁰	Retrospective cohort	Partial nephrectomy (174)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	14 months
Simmons, 2009 ²⁶¹	Retrospective cohort	Partial nephrectomy (425)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
McClellan, 2009 ²⁶²	Retrospective cohort	Partial nephrectomy (46)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic	17.2 months

Author, year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications ,Non-urologic complications	
Lehman, 2008 ²⁶³	Retrospective cohort	Thermal ablation (44)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Yossepowitch, 2008 ²⁶⁴	Retrospective cohort	Partial nephrectomy (1344)	Oncologic efficacy	Not reported	Not reported
Desai, 2008 ²⁶⁵	Retrospective cohort	Partial nephrectomy (50)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	56.4 months
Turna, 2008 ²⁶⁶	Retrospective cohort	Partial nephrectomy (507)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	Not reported
Li, 2008 ²⁶⁷	Retrospective cohort	Partial nephrectomy (115)	,Overall survival	Not reported	65 months
Colombo, 2008 ²⁶⁸	Retrospective cohort	Partial nephrectomy (585)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	25 months
Wright, 2007 ²⁶⁹	Retrospective cohort	Thermal ablation (32)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	18 months
Nguyen, 2008 ²⁷⁰	Retrospective cohort	Partial nephrectomy (100)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	3 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Pahernik, 2008 ²⁷¹	Retrospective cohort	Partial nephrectomy (474)	,Overall survival	Not reported	4.7 year
Porpiglia, 2008 ²⁷²	Retrospective cohort	Partial nephrectomy (90)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Polascik, 2007 ²⁷³	Retrospective cohort	Thermal ablation (26)	,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	24 months
Bandi, 2008 ²⁷⁴	Retrospective cohort	Radical nephrectomy(75)	,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	41 months
Carey, 2007 ²⁷⁵	Retrospective cohort	Thermal ablation (85)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	11 months
Denzinger, 2007 ²⁷⁶	Retrospective cohort	Partial nephrectomy (91)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	48 months
Hemal, 2007 ²⁷⁷	Retrospective cohort	Radical nephrectomy(143)	,Quality of life ,	Harms and peri-operative outcome - Give an adequate description of how complications and	56 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Zagoria, 2007 ²⁷⁸	retro single inst	Thermal ablation (104)	Oncologic efficacy	Not reported	14 months
Pettus, 2007 ²⁷⁹	retro single isnt	Partial nephrectomy (742)	Renal functional outcomes	Not reported	19 months
Nadu, 2007 ²⁸⁰	retroso single inst	Partial nephrectomy (140)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Simmons, 2007 ²⁸¹	retro single inst	Partial nephrectomy (200)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Senga, 2007 ²⁸²	MC retro	Partial nephrectomy (469)	Oncologic efficacy	Not reported	48 months
Atwell, 2007 ²⁸³	case series	Thermal ablation (40)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative	9 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Zorn, 2007 ²⁸⁴	case series	Partial nephrectomy (84)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	13 months
Weld, 2007 ²⁸⁵	case series	Thermal ablation (81)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	45.7 months
Littrup, 2007 ²⁸⁶	cases series	Thermal ablation (49)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	1.6 year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Adamakis, 2007 ²⁸⁷	retro single inst	Partial nephrectomy (42)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	32 months
Brown, 2007 ²⁸⁸	case series	Partial nephrectomy (60)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	14.2 months
Patard, 2007 ²⁸⁹	MC retro	Partial nephrectomy (1048)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	36 months
Pertia, 2006 ²⁹⁰	retro single inst	Partial nephrectomy (30)	Oncologic efficacy ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	71 months
Gupta, 2007 ²⁹¹	retro single inst	Partial nephrectomy (36)	Oncologic efficacy ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	52 months
Lane, 2007 ²⁹²	case series	Partial nephrectomy (60)	Oncologic efficacy ,Renal functional outcomes	Not reported	5.7 year
Kwon, 2007 ²⁹³	retro single inst	Partial nephrectomy (777)	Oncologic efficacy	Not reported	22 months
Salagierski, 2006 ²⁹⁴	retro single inst	Thermal ablation (42)	,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	14 months
Matin, 2006 ²⁹⁵	retro single inst	Thermal ablation (616)	Oncologic efficacy ,Overall survival	Not reported	2 year
Yossepowitch, 2006 ²⁹⁶	retro single inst	Partial nephrectomy (70)	Renal functional outcomes	Not reported	1 year
Schwartz, 2006 ²⁹⁷	case series	Thermal ablation (85)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate	10 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Davol, 2006 ²⁹⁸	case series	Thermal ablation (48)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	64 months
Sorbellini, 2006 ²⁹⁹	retro single inst	Partial nephrectomy (161)	Renal functional outcomes	Not reported	1month
Carini, 2006 ³⁰⁰	case series	Partial nephrectomy (232)	Oncologic efficacy ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	76 months
Venkatesh, 2006 ³⁰¹	retro single inst	Partial nephrectomy (123)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				grading ,Urologic complications ,Non-urologic complications	
Pahernik, 2006 ³⁰²	Retrospective cohort	Partial nephrectomy (504)	Oncologic efficacy ,Overall survival	Not reported	6.77 year
Carini, 2006 ³⁰³	Retrospective cohort	Partial nephrectomy (71)	Oncologic efficacy ,Overall survival	Not reported	74 months
Berdjjs, 2006 ³⁰⁴	case series	Partial nephrectomy (121)	Oncologic efficacy	Not reported	49.3 months
Becker, 2006 ³⁰⁵	retro single inst	Partial nephrectomy (368)	Oncologic efficacy ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	6.2 year
Weld, 2006 ³⁰⁶	case series	Partial nephrectomy (60)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	25.3 months
Frank, 2006 ³⁰⁷	retro single inst	Partial nephrectomy (363)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Pasticier, 2006 ³⁰⁸	retro single inst	Partial nephrectomy (127)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Wille, 2006 ³⁰⁹	retro single inst	Partial nephrectomy (44)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	15 months
Moinzadeh, 2006 ³¹⁰	retro single inst	Partial nephrectomy (480)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	3 year
Orvieto, 2005 ³¹¹	retro single inst	Partial nephrectomy (41)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	7.5 months
Permpongkosol, 2005 ³¹²	single retro	Radical nephrectomy(121)	Oncologic efficacy ,Overall survival	Not reported	73 months
Thompson, 2005 ³¹³	retro single inst	Partial nephrectomy (823)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	Not reported
Gill, 2005 ³¹⁴	retro single inst	Partial nephrectomy (25)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Ng, 2005 ³¹⁵	retro single inst	Partial nephrectomy (163)	Not reported	Harms and peri-operative outcome -	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Wright, 2005 ³¹⁶	retro single inst	Partial nephrectomy (51)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Gervais, 2005 ³¹⁷	retro single inst	Thermal ablation (85)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Gervais, 2005 ³¹⁸	retro single inst	Thermal ablation (85)	Oncologic efficacy ,Overall survival	Not reported	2.3 year
Cheung, 2005 ³¹⁹	single retro	Radical nephrectomy(100)	Oncologic efficacy ,Overall survival	Not reported	30 months
Lapini, 2005 ³²⁰	retro single inst	Partial nephrectomy (107)	Oncologic efficacy ,Overall survival	Not reported	88 months
Gill, 2005 ³²¹	retro single inst	Thermal ablation (56)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Study reports final health outcomes	3 year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Link, 2005 ³²²	retro single inst	Partial nephrectomy (223)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	37.7 months
Salama, 2005 ³²³	retro single inst	Radical nephrectomy(115)	Oncologic efficacy	Not reported	7.5 year
Mullerad, 2005 ³²⁴	retro single inst	Partial nephrectomy (118)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	38.8 months
Desai, 2005 ³²⁵	retro single inst	Partial nephrectomy (179)	Renal functional outcomes	Not reported	5 months
Seifman, 2004 ³²⁶	retro single inst	Partial nephrectomy (36)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	2 year
Lee, 2004 ³²⁷	retro single inst	Radical nephrectomy(100)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	24 months
Ramani, 2005 ³²⁸	case series	Partial nephrectomy (200)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Cestari, 2004 ³²⁹	case series	Thermal ablation (37)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	20.5 months
Bhayani, 2004 ³³⁰	case series	Partial nephrectomy (118)	Renal functional outcomes	Not reported	28 months
Allaf, 2004 ³³¹	case series	Partial nephrectomy (48)	Oncologic efficacy Not reported	Not reported	3 year
Bove, 2004 ³³²	retro single inst	Partial nephrectomy (103)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Matsumoto, 2004 ³³³	retro single inst	Thermal ablation (64)	Oncologic efficacy	Not reported	6 months
Kane, 2004 ³³⁴	case series	Partial nephrectomy (27)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Diblasio, 2004 ³³⁵	case series	Partial nephrectomy (154)	Renal functional outcomes	Not reported	Not reported
Elmore, 2003 ³³⁶	retro single inst	Radical nephrectomy(544)	Oncologic efficacy	Not reported	74 months
Kuriki, 2003 ³³⁷	case series	Radical nephrectomy(185)	Oncologic efficacy	Not reported	108 months
Zigeuner, 2003 ³³⁸	case series	Partial nephrectomy (114)	Oncologic efficacy	Not reported	80 months
Patel, 2003 ³³⁹	case series	Radical nephrectomy(60)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	11 months
Lundstam, 2003 ³⁴⁰	case series	Partial nephrectomy (87)	Oncologic efficacy ,Overall survival	Not reported	61 months
Kural, 2003 ³⁴¹	case series	Partial nephrectomy (76)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	37.1 months
Franks, 2003 ³⁴²	case series	Partial nephrectomy (45)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate	34 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Mayo-Smith, 2003 ³⁴³	case series	Thermal ablation (32)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	9 months
Zucchi, 2003 ³⁴⁴	case series	Partial nephrectomy (63)	Oncologic efficacy	Not reported	39 months
Desai, 2003 ³⁴⁵	case series	Partial nephrectomy (64)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	9.5 months
McKiernan, 2002 ³⁴⁶	case series	Partial nephrectomy (292)	Oncologic efficacy	Not reported	25.3 months
Castilla, 2002 ³⁴⁷	case series	Partial nephrectomy (69)	Oncologic efficacy	Not reported	8.5 year
Minervini, 2002 ³⁴⁸	case series	Radical nephrectomy(213)	Oncologic efficacy	Not reported	52 months
Russo, 2002 ³⁴⁹	case series	Partial nephrectomy (39)	Oncologic efficacy ,Renal functional outcomes	Not reported	30 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Fryczkowski, 2001 ³⁵⁰	case series	Partial nephrectomy (53)	Oncologic efficacy	Not reported	Not reported
Lau, 2002 ³⁵¹	case series	Radical nephrectomy()	Oncologic efficacy	Not reported	9.4 year
Gill, 2002 ³⁵²	case series	Partial nephrectomy (50)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	7.2 months
Piper, 2001 ³⁵³		Partial nephrectomy (62)	Oncologic efficacy ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	60 months
Sutherland, 2002 ³⁵⁴	case series	Partial nephrectomy (44)	Oncologic efficacy	Not reported	49 months
Jeschke, 2001 ³⁵⁵	case series	Partial nephrectomy (51)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	34.2 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Igarashi, 2001 ³⁵⁶	case series	Radical nephrectomy(333)	Oncologic efficacy	Not reported	63 months
Fryczkowski, 2000 ³⁵⁷	case series	Partial nephrectomy (53)	Oncologic efficacy	Not reported	63.8 months
Rukstalis, 2001 ³⁵⁸	case series	Thermal ablation (29)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	16 months
Gill, 2000 ³⁵⁹	case series	Thermal ablation (32)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	16.2 months
Filipas, 2000 ³⁶⁰	retro single inst	Partial nephrectomy (180)	Oncologic efficacy ,Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	4.7 year
Black, 2000 ³⁶¹	case series	Partial nephrectomy (311)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	5.2 year
Fergany, 2000 ³⁶²	case series	Partial nephrectomy (107)	Oncologic efficacy ,Renal functional outcomes	Not reported	10 year
Abbou, 1999 ³⁶³	single retro	Radical nephrectomy(58)	Oncologic efficacy ,Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	15 months
Herr, 1999 ³⁶⁴	retro single inst	Partial nephrectomy (70)	Oncologic efficacy ,Overall survival	Not reported	10 year
Ono, 1999 ³⁶⁵	Retrospective cohort	Radical nephrectomy(60)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	24 months
Cadeddu, 1998 ³⁶⁶	Retrospective cohort	Radical nephrectomy(157)	Oncologic efficacy	Not reported	15 months
Van Poppel, 1998 ³⁶⁷	Retrospective cohort	Partial nephrectomy (76)	Oncologic efficacy	Not reported	75 months
Ljungberg, 1998 ³⁶⁸	Retrospective cohort	Radical nephrectomy(89)	Oncologic efficacy ,Renal functional outcomes	Not reported	10 year
Ono, 1997 ³⁶⁹	retro single inst	Radical nephrectomy(25)	Oncologic efficacy ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how	22 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Hafez, 1997 ³⁷⁰	retro single inst	Partial nephrectomy (327)	Oncologic efficacy ,Overall survival	Not reported	55 months
Hsi R.S., 2014 ³⁷¹	retro single inst	Partial nephrectomy (51)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	6.5 months
Fardoun T., 2014 ³⁷²	retro single inst	Partial nephrectomy (199)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Tomaszewski J.J., 2014 ³⁷³	retro single inst	Partial nephrectomy (255)	Not reported	Only Harms -Primary objective of the study is to assess the complications ,Urologic complications ,Non-urologic complications	62 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Alesawi A., 2014 ³⁷⁴	retro single inst	Partial nephrectomy (25)	Renal functional outcomes	Not reported	12 months
Petros F., 2012 ³⁷⁵	MC retro	Partial nephrectomy (445)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	10 months
Best S.L., 2012 ³⁷⁶	retro single inst	Thermal ablation (159)	Oncologic efficacy	Not reported	54 months
Spana G., 2011 ³⁷⁷	MC retro	Partial nephrectomy (450)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
White M.A., 2011 ³⁷⁸	retro single inst	Partial nephrectomy (164)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	8 months
Naeem N., 2011 ³⁷⁹	retro single inst	Partial nephrectomy (97)	Renal functional outcomes	Harms and peri-operative outcome - Give an adequate	10 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Schmit G.D., 2010 ³⁸⁰	retro single inst	Thermal ablation (108)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	15 months
Park S.-W., 2010 ³⁸¹	retro single inst	Partial nephrectomy (62)	Renal functional outcomes	Not reported	43 months
Jeon S.H., 2009 ³⁸²	MC retro	Radical nephrectomy(150)	Not reported	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	Not reported
Hiraoka K., 2009 ³⁸³	retro single inst	Thermal ablation (40)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	16 months
Ritchie R.W., 2009 ³⁸⁴	retro single inst	Radical nephrectomy(118)	Not reported	Harms and peri-operative outcome - Give an adequate description of how	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	
Bandi G., 2008 ³⁸⁵	retro single inst	Partial nephrectomy (75)	Oncologic efficacy ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	46 months
Polascik T.J., 2007 ³⁸⁶	retro single inst	Thermal ablation (26)	Oncologic efficacy ,Renal functional outcomes ,Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	21 months
Wille A.H., 2007 ³⁸⁷	retro single inst	Partial nephrectomy (80)	Oncologic efficacy ,Renal functional outcomes	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-	28 months

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Salagierska-Barwinska A., 2007 ³⁸⁸	retro single inst	Thermal ablation (55)	Oncologic efficacy	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading ,Urologic complications ,Non-urologic complications	25 months
Lee D.-G., 2006 ³⁸⁹	case series	Radical nephrectomy(147)	Oncologic efficacy	Not reported	54.9 months
Marszalek M., 2004 ³⁹⁰	case series	Partial nephrectomy (129)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	34 months
Seklehner S., 2013{#51239}	Retrospective cohort	Thermal ablation (44)	Oncologic efficacy ,Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	2 year
Kim E.H., 2012{#51431}	Retrospective cohort	Thermal ablation (124)	Oncologic efficacy ,Renal functional outcomes	Not reported	30 months
Cooper, 2015 ³⁹¹	retrospective cohort	Radical nephrectomy(31)	Oncologic efficacy	Harms and peri-operative outcome, Urologic complications ,Non-urologic complications	Not reported
Caputo, 2015 ³⁹²	retrospective cohort	Thermal ablation (138)	Oncologic efficacy, Renal functional outcomes, Overall survival	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	98.8 Month
Antic, 2015 ³⁹³	retrospective cohort	Partial nephrectomy (406)	Oncologic efficacy	Not reported	33.1 Month
Carneiro, 2015 ³⁹⁴	Retrospective	Partial nephrectomy (347)	Oncologic efficacy, Renal functional outcomes	Study reports final health outcomes	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Lay, 2015 ³⁹⁵	Retrospective Cohort	Thermal ablation (229)	Oncologic efficacy, Overall survival	Not reported	33.2 Month
Lamoshi, 2015 ³⁹⁶	Retrospective Cohort	Partial nephrectomy (34)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	18.7 Month
Abdeldaeim, 2015 ³⁹⁷	Prospective	Partial nephrectomy (120)	Oncologic efficacy, Renal functional outcomes	Not reported	24 Months
Kim, 2015 ³⁹⁸	Retrospective Cohort	Partial nephrectomy (213)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Chang, X., ³⁹⁹	Retrospective Cohort	Thermal ablation (215)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Mehrazin, 2015 ⁴⁰⁰	Retrospective	Active surveillance (minimum six Months) (346)	Oncologic efficacy, Overall survival	Not reported	37 Month
Camacho, 2015 ⁴⁰¹	retrospective cohort	Thermal ablation (87)	Oncologic efficacy	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	34.6 +/- 23.5 Month
Patel, 2015 ⁴⁰²	retrospective	Partial nephrectomy (2124)	Not reported	Only Harms -Primary objective of the study is to assess the complications, Urologic complications, Non-urologic complications	1 Month
Satasivam, 2015 ⁴⁰³	Retrospective Cohort	Partial nephrectomy (156)	Renal functional outcomes	Not reported	Not reported
Zargar, 2014 ⁴⁰⁴	retrospective cohort	Partial nephrectomy (1019)	Not reported	Only Harms -Primary objective of the study	18 Month

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				is to assess the complications, Urologic complications,	
Zeccolini, 2014 ⁴⁰⁵	retrospective cohort	Partial nephrectomy ()	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	36 Month
Kim, 2015 ⁴⁰⁶	Retrospective	Partial nephrectomy (390)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	31.1 Month
Jang, 2014 ⁴⁰⁷	Retrospective	Partial nephrectomy (127)	Renal functional outcomes Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Yang, 2014 ⁴⁰⁸	Retrospective	Partial nephrectomy (178)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	3 Month
Miller, 2014 ⁴⁰⁹	Retrospective	Thermal ablation (95)	Oncologic efficacy, Renal functional outcomes, Overall survival	Harms and peri-operative outcome - Give an adequate description of how complications and peri-operative outcomes were assessed /clavien grading, Urologic complications, Non-urologic complications	2 Year
Han, 2014 ⁴¹⁰	Retrospective	Partial nephrectomy (590)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-	Not reported

Author, year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Rodriguez-Faba, 2015 ⁴¹¹	prospective	Thermal ablation (28)	Oncologic efficacy, Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications, Urologic complications, Non-urologic complications	25 Month
Richards, 2014 ⁴¹²	Retrospective	Partial nephrectomy (235)	Renal functional outcomes	Not reported	29 Month
Becker, 2015 ⁴¹³	Retrospective	Partial nephrectomy (293)	Quality of life	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	49 Month
Eggerer, 2015 ⁴¹⁴	Retrospective	Partial nephrectomy (1396)	Renal functional outcomes	Not reported	18 Month
Choo, 2014 ⁴¹⁵	Retrospective	Partial nephrectomy (107)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Bessede, 2015 ⁴¹⁶	Retrospective	Partial nephrectomy (519)	Renal functional outcomes	Not reported	23 Month
Pignot, 2015 ⁴¹⁷	Prospective Cohort	Partial nephrectomy (570)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	1 Month
Desai, 2014 ⁴¹⁸	Retrospective	Partial nephrectomy (122)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	6 Month
Veltri, 2014 ⁴¹⁹	Retrospective Cohort	Thermal ablation (137)	Oncologic efficacy, Overall survival	Study reports final health outcomes	39 Month

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	
Li H.-K., 2015 ⁴²⁰	retrospective	Partial nephrectomy (169)	Renal functional outcomes	Not reported	1 Year
Boylu U., 2015 ⁴²¹	retrospective	Partial nephrectomy (66)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	37 Month
Gahan , 2015 ⁴²²	retrospective	Thermal ablation (192)	Oncologic efficacy	Not reported	32 Month
Zargar , 2015 ⁴²³	Retrospective	Partial nephrectomy (266)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	24 Month
Curtiss, 2015 ⁴²⁴	cohort	Partial nephrectomy (30 vs 267)	Oncologic efficacy	Only Harms -Primary objective of the study is to assess the complications, Urologic complications, Non-urologic complications	10.6 Months
Larcher ,2015 ⁴²⁵	retrospective	Thermal ablation (174)	Oncologic efficacy	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	48 Month
Lista , 2015 ⁴²⁶	cohort	Partial nephrectomy (339)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	49 Month
Larson 2015 ⁴²⁷	multi-institutional cohort	Partial nephrectomy (1532)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Salevitz 2015 ⁴²⁸	retrospective cohort	Partial nephrectomy (607)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	3 Year
Porpiglia 2015 ⁴²⁹	retrospective	Partial nephrectomy (86)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Webb 2015 ⁴³⁰	retrospective	Partial nephrectomy (66)	Not reported	Harms and peri-operative, Urologic complications, Non-urologic complications	Not reported
Wu 2015 ⁴³¹	Retrospective	Partial nephrectomy (237)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Ganpule 2015 ⁴³²	retrospective cohort	Partial nephrectomy (57)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	5.1 Month
Komninos 2015 ⁴³³	retrospective cohort	Partial nephrectomy (83)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1 Year
Tanaka 2015 ⁴³⁴	Retrospective	Partial nephrectomy (39)	Renal functional outcomes	Not reported	Not reported
Castaneda 2015 ⁴³⁵	Retrospective	Active surveillance (minimum six Months) (64)	, Renal functional outcomes	Not reported	17 Month
Atwell 2015 ⁴³⁶	retrospective cohort	Thermal ablation (46)	Oncologic efficacy	Study reports final health outcomes AND Harms/peri-operative outcomes	2 Year
Zargar2015 ⁴³⁷	Retrospective	Thermal ablation (412)	Oncologic efficacy	Harms and peri-operative outcome, Urologic complications, Non-	3.15 Year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Tay 2014 ⁴³⁸	retrospective	Radical nephrectomy(65)	Oncologic efficacy	Not reported	Not reported
Maddox 2014 ⁴³⁹	retrospective	Partial nephrectomy (46)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative, Urologic complications, Non-urologic complications	24.3 Month
Park 2014 ⁴⁴⁰	retrospective	Radical nephrectomy(1098)	Oncologic efficacy	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	63 Month
Hongo 2014 ⁴⁴¹	retrospective	Radical nephrectomy(193)	Oncologic efficacy	Harms and peri-operative, Urologic complications, Non-urologic complications	65 Month
Wiener 2014 ⁴⁴²	retrospective	Partial nephrectomy (122)	Renal functional outcomes	Not reported	20 Month
Harris 2014 ⁴⁴³	retrospective cohort	Partial nephrectomy (260)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	10.6 Month
Mukkamala 2014 ⁴⁴⁴	retrospective cohort	Partial nephrectomy (417)	Oncologic efficacy, Overall survival	Not reported	2.9 Year
Lai W.-J., 2015 ⁴⁴⁵	retrospective cohort	Thermal ablation (30)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	15.2 Month
Chang X., 2014 ⁴⁴⁶	Retrospective	Thermal ablation (170)	Not reported	Harms and peri-operative outcome , Urologic complications, Non-urologic complications	51 Month
Lee 2014 ⁴⁴⁷	Retrospective	Partial nephrectomy (369)	Renal functional outcomes	Not reported	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
Wah 2014 ⁴⁴⁸	retrospective cohort	Thermal ablation (200)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	46.1 Month
Yokoyama 2014 ⁴⁴⁹	Retrospective	Radical nephrectomy(209)	Renal functional outcomes	Not reported	84 Month
Wang 2014 ⁴⁵⁰	Retrospective	Partial nephrectomy (194)	Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	3 Years
Hsi 2014 ⁴⁵¹	Cohort	Partial nephrectomy (51)	Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications, Urologic complications, Non-urologic complications	6.5 Month
Springer 2014 ⁴⁵²	retrospective	Partial nephrectomy (190)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	36 Month
Georgiades 2014 ⁴⁵³	prospective	Thermal ablation (246)	Overall survival	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Maeda 2014 ⁴⁵⁴	Retrospective cohort	Partial nephrectomy (127)	Renal functional outcomes	Not reported	6 Month
Yang 2014 ⁴⁵⁵	retrospective	Thermal ablation (51)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative outcome Urologic complications, Non-urologic complications	31.5 Month
Tan H.-J., 2014 ⁴⁵⁶	Prospective cohort	Partial nephrectomy (2321)	Not reported	Only Harms -Primary objective of the study is to assess the	1 Month

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications, Urologic complications, Non- urologic complications	
George 2014 ⁴⁵⁷	retrospective	Partial nephrectomy (488)	Oncologic efficacy, Renal functional outcomes	Harms and peri- operative outcome, Urologic complications, Non- urologic complications	41.6 Month
Sandberg ,2014 ⁴⁵⁸	prospective	Partial nephrectomy (339)	Renal functional outcomes	Harms and peri- operative outcome, Urologic complications, Non- urologic complications	1 Year
Yeon 2014 ⁴⁵⁹	Retrospective cohort study	Partial nephrectomy (113)	Not reported	Harms and peri- operative outcome, Urologic complications, Non- urologic complications	Not reported
Komninos 2014 ⁴⁶⁰	retrospective cohort	Partial nephrectomy (225)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri- operative outcomes	4 Year
Ma Y., 2014 ⁴⁶¹	retrospective cohort	Thermal ablation (52)	Oncologic efficacy, Renal functional outcomes, Overall survival	Not reported	60 Month
Verhoest , 2014 ⁴⁶²	Retrospective cohort study	Partial nephrectomy (300)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri- operative outcomes	37 Month
Lorber G., 2014 ⁴⁶³	retrospective cohort	Thermal ablation (50)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri- operative outcomes	65.6 Month
Mukkamala 2014 ⁴⁶⁴	retrospective cohort	Partial nephrectomy (358)	Renal functional outcomes	Not reported	39 Month
Hu J.C., 2014 ⁴⁶⁵	retrospective	Partial nephrectomy (227)	Oncologic efficacy, Renal functional outcomes	Harms and peri- operative outcome - , Urologic complications, Non-	3.7 Year

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				urologic complications	
Autorino 2014 ⁴⁶⁶	retrospective cohort	Partial nephrectomy (65 vs 145 vs 179)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	12.6 Month
Tan H.-J.,2014 ⁴⁶⁷	Prospective cohort study	Partial nephrectomy (2321)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	1 Month
Johnson S., 2014 ⁴⁶⁸	retrospective	Thermal ablation (149)	Oncologic efficacy, Renal functional outcomes	Harms and peri-operative outcome, Urologic complications,	97.9 Month
Kim E.H., 2014 ⁴⁶⁹	Retrospective cohort study	Thermal ablation (300)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	38.6 Month
Zargar H., 2014 ⁴⁷⁰	Retrospective cohort study	Partial nephrectomy (125)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	12 Month
Takagi T., 2014 ⁴⁷¹	Retrospective cohort study	Partial nephrectomy (163)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Fardoun T., 2014 ⁴⁷²	Retrospective cohort study	Partial nephrectomy (199)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Ficarra V., 2014 ⁴⁷³	Retrospective cohort study	Partial nephrectomy (368)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	Not reported
Jung S., 2014 ⁴⁷⁴	Retrospective cohort study	Partial nephrectomy (300)	Not reported	Only Harms -Primary objective of the study is to assess the	Not reported

Author,year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				complications Non-urologic complications	
Ghani K.R., 2014 ⁴⁷⁵	retrospective	Partial nephrectomy (38064)	Not reported	Harms and peri-operative outcome, Urologic complications, Non-urologic complications	Not reported
Mobley, 2014 ⁴⁷⁶	Retrospective cohort study	Partial nephrectomy (162)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1 Year
Volpe, 2014 ⁴⁷⁷	Retrospective cohort study	Partial nephrectomy (44)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	6 Month
Youssef ,2014 ⁴⁷⁸	Retrospective cohort study	Partial nephrectomy (121)	Oncologic efficacy, Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	12 Month
Gin , 2014 ⁴⁷⁹	Retrospective cohort study	Partial nephrectomy (191)	Renal functional outcomes	Study reports final health outcomes AND Harms/peri-operative outcomes	1 Month
Liu J.-J., 2014 ⁴⁸⁰	Prospective cohort (PN portion only)	Partial nephrectomy (2902)	Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications Non-urologic complications	1 Month
Wu Z.-J., 2014 ⁴⁸¹	Retrospective cohort study	Partial nephrectomy (70)	Renal functional outcomes	Only Harms -Primary objective of the study is to assess the complications, Non-urologic complications	Not reported
Oh J.J., 2014 ⁴⁸²	Retrospective cohort study (only PN group)	Partial nephrectomy (45)	Oncologic efficacy, Renal functional outcomes, Overall survival	Study reports final health outcomes AND Harms/peri-operative outcomes	35.91 Month
Ye H.-M., 2014 ⁴⁸³	Retrospective cohort study	Partial nephrectomy (37)	Oncologic efficacy	Study reports final health outcomes	5.9 Month

Author, year	Study Design	Intervention(n)	Outcome	Adverse Event	Follow Up
				AND Harms/peri-operative outcomes	