

The shift of therapeutic strategy for prolactinomas: surgery as the first-line option

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Supplementary Table 1

Author/Reference	Year	Sample size					Biochemical remission			
		ER	percentage	IR	percentage	Total	ER	percentage	IR	percentage
Qu X (1)	2011	45	52.33%	41	47.67%	86	42	93.33%	28	68.29%
Kim EH (2)	2015	143	28.77%	354	71.23%	497	129	90.21%	302	85.31%
Xie T (3)	2016	21	48.84%	22	51.16%	43	18	85.71%	12	54.55%
Liu TF (4)	2017	58	55.77%	46	44.23%	104	50	86.21%	26	56.52%
Xu Q (5)	2018	11	61.11%	7	38.89%	18	10	90.91%	3	42.86%
Xie ZX (6)	2019	75	56.39%	58	43.61%	133	70	93.33%	41	70.69%
Li QX (7)	2019	116	56.31%	90	43.69%	206	89	76.72%	53	58.89%
Nagata (8)	2019	8	38.10%	13	61.90%	21	8	100.00%	12	92.31%
Wang XX (9)	2020	55	46.61%	63	53.39%	118	48	87.27%	35	55.56%
Zhou YF (10)	2022	31	36.90%	53	63.10%	84	29	93.55%	40	75.47%
Xu Y (11)	2022	59	34.71%	111	65.29%	170	47	79.66%	65	58.56%
Wan XY (12)	2022	18	16.82%	89	83.18%	107	17	94.44%	80	89.89%
Dai XY (13)	2022	59	11.78%	442	88.22%	501	52	88.14%	341	77.15%
Total		699	33.48%	1389	66.52%	2088	609	87.12%	1038	74.73%

*ER: extra-capsular resection, IR: intra-capsular resection

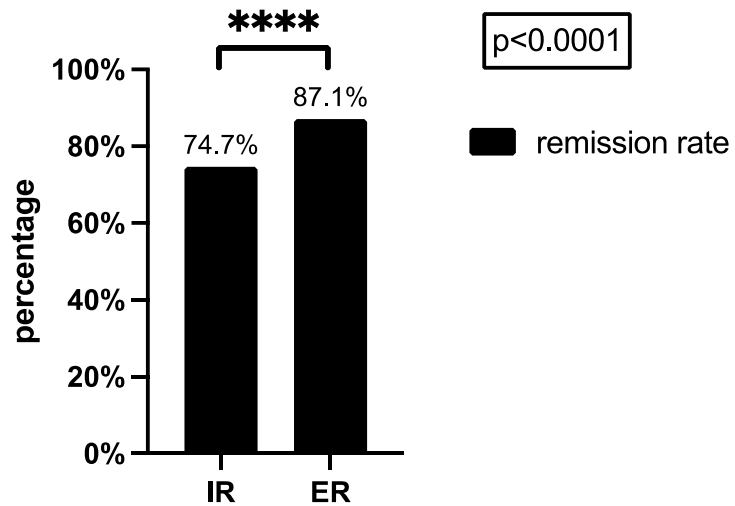


Figure legend: Through a search of 13 publications from 2011 to 2022 (keywords: functional pituitary adenoma, pseudocapsule, extra-pseudocapsule resection, biochemical remission rate), there are total 2088 patients, and the biochemical remission rate of extra-pseudocapsule and intra-pseudocapsule resection was 87.1% and 74.7% ($p<0.0001$).

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