

Table 1. Role of IPM in improving surgical cure rates of PHPT

Year	Author	Type of study	With IPM		Without IPM	
			No	Cure rate	No	Cure rate
1999	Irvin et al ⁵³	Retrospective analysis of outcomes of reoperative parathyroidectomy with vs without IPM	33	94%	17	76%
2001	Agarwal et al ⁵⁴	Prospective comparative study of MIP with vs without IPM	88	98.9%	Theoretical model	96.6%
2004	Udelsman et al ¹⁷	Retrospective analysis of outcomes of MIP vs BNE	255	99%	401	97%
2004	Irvin et al ⁵⁵	Retrospective analysis of outcomes of MIP vs BNE	421	97%	340	94%
2005	Chen et al ⁵⁶	Retrospective analysis of outcomes of MIP with vs without IPM	188	100%	157	90%
2007	Barczynski et al ⁵⁷	Prospective comparative study of MIP with IPM vs UNE without IPM	115	99.1%	62	91.1%
2010	Sugino et al ⁵⁸	Retrospective analysis of outcomes of MIP with vs without IPM	80	97.5%	87	93.1%
2015	Kim et al ⁵⁹	Retrospective analysis of outcomes of MIP with vs without IPM	14	100%	39	94.9%

IPM: Intraoperative Parathyroid Monitoring; MIP: Minimally Invasive Parathyroidectomy; BNE: Bilateral Neck Exploration; UNE: Unilateral Neck Exploration.