

Table 1.

Parameter	Case 1	Case 2	Case 3	Normal range
Calcium (mg/dl)	13.89	14.5	16.65	8.5 – 10.3
	18.86	15.44	15.2	
	15.7		14.3	
Phosphate (mg/dl)	1.45	2.3	2.64	2.5 – 4.5
	1.85	1.9	2.4	
	2.42			
PTH (pg/ml)	1600	643	1172	15 - 65
Parathyroid tumor	right	left	right	
	lower	lower	lower	
	adenoma	adenoma	adenoma	
Complications	nitrogen retention	nitrogen retention	osteitis fibrosa cystica	
	osteitis fibrosa cystica	nephrolithiasis	nephrolithiasis	