

### Presented By:



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### Newly Diagnosed Primary Hyperparathyroidism Presented As Acute Onset of Hypercalcemia Requiring ED Admission

41-year-old white male presented to the emergency room complaining of foot pain and swelling of bilateral feet for approximately 1 week accompanied by paresthesia of his toes. The patient was in good health up until the week prior when he was seen at Southern Ocean Medical Center. There, he was told his calcium was high and he needed to see an endocrinologist. The patient went to his primary care physician and had a full work up. His pain increased, his feet swelled, and he reported to the emergency room where his calcium level was 12.3. The patient himself denies any medical problems, except hypertension. He denied any kidney stones, no fractures. He once again saw his primary care physician, and had repeated blood work. Again, his calcium was elevated, and he was referred to the hospital. He was admitted to Jersey Shore University Medical Center. Laboratory data on admission showed Calcium level 12.7, PTH level of 225.

A surgical evaluation by Alexander Shifrin, M.D. was performed and the patient underwent an urgent parathyroidectomy with findings of intrathyroidal large parathyroid adenoma on the right side. His intraoperative PTH levels significantly dropped from 500 before the removal of the adenoma down to 40 after the removal of the adenoma. Patient successfully recovered and went home the next day with normal calcium and PTH levels.

The Endocrine Surgery Program at Jersey Shore University Medical Center has gained international recognition for clinical excellence in the management of complex endocrine diseases including thyroid, parathyroid, adrenal problems and endocrine syndromes. For a consult, please call 732-776-4770.

Figure 1

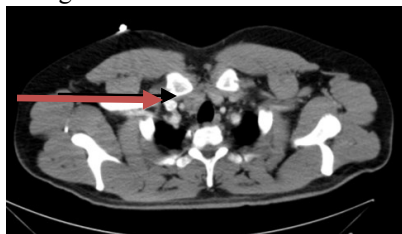


Figure 2

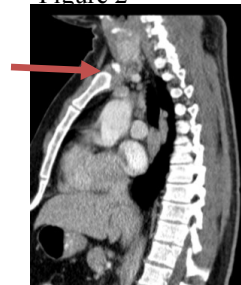


Figure 1. CT scan showing large intrathyroidal parathyroid adenoma in the inferior pole on the right side Figure 2. CT scan showing large intrathyroidal parathyroid adenoma in the inferior pole on the right side

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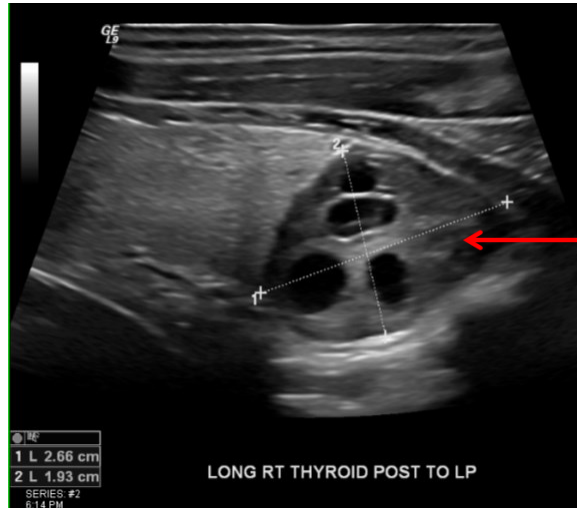


Figure 3. Thyroid ultrasound showing large intrathyroidal parathyroid adenoma in the inferior pole on the right side (longitudinal view)

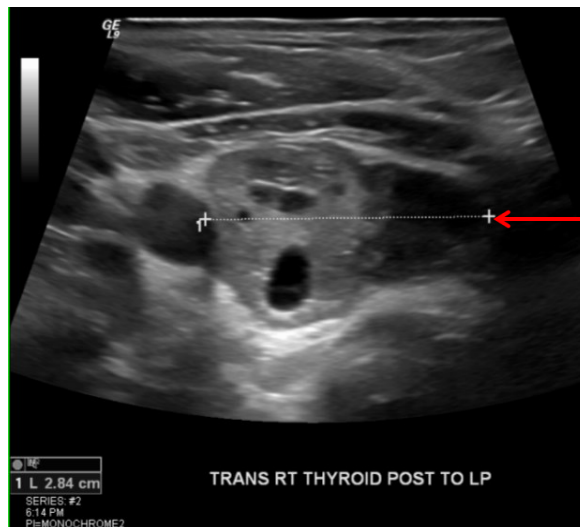


Figure 4. Thyroid ultrasound showing large intrathyroidal parathyroid adenoma in the inferior pole on the right side