

Abstract-

Primary hyperparathyroidism usually occurs following parathyroid adenoma, multi-glandular hyperplasia or carcinoma. Majority of patients with hypercalcemia are asymptomatic but some patients present with bone related complications including fractures.

My patient is a 38 years old female who had a past history of right patellar fracture following minor trauma 5 years ago. This time she presented with a pathological fracture involving her right neck of femur. Biochemical studies were compatible with primary hyperparathyroidism. Imaging showed brown tumors in the right ulnar and right neck of femur. Tc^{99m} Sestamibi scan and CT scan of neck confirmed parathyroid adenoma. She underwent successful parathyroidectomy which lead to normalization of her calcium levels.

Conclusion- Evaluation for the cause of fractures should be done in all patients who present with pathological fractures. Identification of rare but treatable conditions like parathyroid adenoma will reduce the morbidity and mortality following fractures.