

Primary hyperparathyroidism with multisystem involvement: a case report

Abstract

Primary hyperparathyroidism is the unregulated overproduction of parathyroid hormone (PTH) resulting in abnormal calcium homeostasis. Other than calcium, it act on phosphate and vitamin D homeostasis. So it affects many systems.

This 47 year old patient presented with symptoms and signs of hypercalcemia and its complications such as recurrent acute pancreatitis, GORD, renal stone disease, nephrocalcinosis, chronic kidney disease, neuropsychiatric manifestations and hypertension. Investigations were arranged to confirmed the diagnosis, find out the etiology of hypercalcemia and detect complications. Primary hyperparathyroidism was confirmed based on biochemical changes and further investigations were perform to detect complications. .

Initially patient was managed medically and once stable, he was referred for surgical intervention as it is the management of choice for symptomatic primary hyperparathyroidism with organ involvement.

As primary hyperparathyroidism affect multiple organ and systems it is very important to take all these complications in to the account when arriving the final diagnosis.

Key words: primary hyperparathyroidism, neuropsychiatric manifestations, nephrocalcinosis