

Annual Audit for the Year 2021 for Patients with Hyperparathyroidism: Not as Rare an Entity as We Believe

Authors : Antarip Bhattacharya, Dhritiman Maitra

Abstract : Primary hyperparathyroidism (PHPT) is the most common cause of hypercalcemia due to autonomous production of parathormone (PTH) and the third most common endocrine disorder. Upto 2% of postmenopausal women could have this condition. Primary hyperparathyroidism is characterized by hypercalcemia with a high or insufficiently suppressed level of parathyroid hormone and is caused by a solitary parathyroid adenoma in 85-90% of patients. PHPT may also be caused by parathyroid hyperplasia (involving multiple glands) or parathyroid carcinoma. Associated morbidities and sequelae include decreased bone mineral density, fractures, kidney stones, hypertension, cardiac comorbidities and psychiatric disorder which entail huge costs for treatment. In the year 2021, by virtue of running a Breast and Endocrine Surgery clinic in a Tier 1 city at a tertiary care hospital, the opportunity to be associated with patients of hyperparathyroidism came our way. Here, we shall describe the spectrum of clinical presentations and customisation of treatment for parathyroid diseases with reference to the above patients. A retrospective analysis of the data of all patients presenting with symptoms of parathyroid diseases was made and classified according to the cause. 13 patients had presented with symptoms of hyperparathyroidism and each case presented with unique symptoms and necessitated detailed evaluation. The treatment or surgery offered to each patient was tailored to his/her individual disease and led to favourable outcomes. Diseases affecting parathyroid are not as rare as we believe. Each case merits detailed clinical evaluation, investigations and tailoring of suitable treatment with regard to medical management and extent of surgery. Intra-operative frozen section/iOPPTH monitoring are really useful adjuncts for intra-operative decision making.

Keywords : hyperparathyroidism, parathyroid adenoma, parathyroid surgery, PTH

Conference Title : ICES 2022 : International Conference on Endocrine Surgery

Conference Location : Kuala Lumpur, Malaysia

Conference Dates : August 30-31, 2022