

**FP 5: A Retrospective Study of Hypocalcemic Patients with Benign or Malignant Thyroid Mass Who Underwent Total Thyroidectomy at Vicente Sotto Memorial Medical Center, Cebu City**

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**Abstract**

This study aims to use the physical signs of hypocalcemia and estimate the corresponding level of ionized calcium, for patients who underwent total thyroidectomy for early diagnosis, treatment and further progression of hypocalcemia. This study, conducted at the Department of Otorhinolaryngology, Head and Neck Surgery of Vicente Sotto Memorial Medical Center, made use of the descriptive research method employing the retrospective cohort research design. Using purposive sampling technique, the participants, all hypocalcemic patients diagnosed with benign or malignant thyroid mass and who have undergone total thyroidectomy were selected. The objective of the study is early diagnosis, treatment and prevention from the dreadful complications of hypocalcemia. Using the data collected, these hypocalcemic signs are correlated with the levels of ionized calcium and determine its significance. Hypocalcemic signs, namely, Chvostek's and Trousseau signs, are physical signs that suggest significant derangement of the calcium levels in the body. These signs may serve as warning and help in the diagnosis, treatment and prevent further progression of hypocalcemia.

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**Keywords:** Hypocalcemic, Thyroidectomy, Ionized Calcium, Chvostek's and Trousseau Signs