

**INCIDENCE OF PARATHYROID GLAND INJURY IN TOTAL  
THYROIDECTOMY PREDICTED BY PARATHORMONE HORMONAL  
ASSESSMENT**

By

**Hesham Wageh Ezzat Abd Rabbo**

A Thesis submitted in partial fulfillment

Of

The requirements for the

**Master degree**

In

**General Surgery**

Department of General Surgery

Faculty of Medicine

**FAYOUM UNIVERSITY**

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Thesis:

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Submitted for master degree in general surgery by:

**Hesham Wageh Ezzat Abd Rabbo**

under supervision:

**Prof. Ayman Essawy**

**Dr. Mohammed Ibrahim**

**Dr. Mohamed Fathy**

This Study has been written to discuss the incidence of parathyroid glands injury after total thyroidectomies as a common complication that faces both surgeons and patients in our community.

Parathyroid dysfunction leading to symptomatic hypocalcaemia is not uncommon following a total or completion thyroidectomy and is often associated with significant patient morbidity and prolonged hospital stay.

A simple, reliable indicator to identify patients at risk would permit earlier pharmacologic prophylaxis to avoid these adverse outcomes.

We decided to search that in this topic as an attempt to identify to which extent that complication is common and how early we can manage it.

We have exhibited some history of thyroid and parathyroid surgeries, thyroid surgery complications, perioperative value of PTH and other methods to predict integrity of parathyroid glands, our methodology, results and our recommendations.

Our study is to detect the incidence of parathyroid gland injury in total thyroidectomy operations by perioperative (pre and postoperative) accurate laboratory measurements of parathormone hormonal levels.

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