



# **Relationship between thyroid disorders and neoplastic breast lesions**

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2023**

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**Degree:** Master of Radiology.

**Title of thesis:** Relationship between thyroid disorders and neoplastic breast lesions

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## **Abstract**

### **Background:**

Breast and thyroid diseases are becoming more and more common in the population and significantly impact women's health.

The relationship between breast cancer and thyroid diseases is controversial. Discrepant results have been reported in the literature. Many studies showed that thyroid diseases are common among women with breast cancer, whereas other reports did not confirm such an association of breast cancer with thyroid diseases.

### **Aim of the Work:**

Is to explore the relationship between thyroid disorders and neoplastic breast lesions and investigate possible coexistence of thyroid disease in patients with breast cancer.

### **Methodology:**

This cross-sectional observational study was conducted at Fayoum University Hospital department of radiology.

50 patients sent from Fayoum university hospital general surgery and oncology clinics were recruited, all patients underwent breast ultrasound/mammography and thyroid sonography. features were analyzed according to the latest ACR BI-RADS lexicon and correlated with histopathological results.

### **Results and Conclusion:**

There is a bidirectional relationship between breast cancer and thyroid disease and although many reports indicated an association between thyroid diseases and breast cancer, such an association still remains controversial and further dedicated work up is needed.