

: قال تعالى

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

إِنَّ فِي خُلُقِ السَّمَوَاتِ وَالْأَرْضِ
وَاخْتِلَافِ اللَّيْلِ وَالنَّهَارِ لَآيَاتٍ لِأُولِي
الْأَلْبَابِ الَّذِينَ يَذْكُرُونَ اللَّهَ قِيَامًا
وَقُعُودًا وَعَلَىٰ جُنُوبِهِمْ وَيَتَفَكَّرُونَ
فِي خُلُقِ السَّمَوَاتِ وَالْأَرْضِ رَبَّنَا
مَا خَلَقْتَ هَذَا بَاطِلًا سُبْحَانَكَ فَقِنَا
(عَذَابَ النَّارِ)

صدق الله العظيم

(آل عمران آية 190-191)

Dedication

To.....

My family

My Teachers

My Friends

My Colleagues

Acknowledgements

I extremely grateful to many people who supported me during the preparation of this study. Firstly, I would like to express my deep gratitude to my supervisor Dr. Hussan .Ahmed Hassan for his supports and advice

Also great thanks to the staff of radiology department in Khartoum teaching hospital and royle care hospital for their helps to complete the study. And I would like to thank every one who has participated in the completion of this .study

Contents

No.	Item	Page No.
	Dedication.....	II

Acknowledgements	III
Contents.....	IV
List of tables	IX
List of figures	X

Chapter One: Introduction

1.1	INTRODUCTION	1
1.2	Research Problems	2
1.3	Objectives of study	2
1.4	Significance of the study	2
1.5	Overview of the study	2
		

Chapter Two: Theoretical Background

2.1	Thyroid anatomy	4
2.1.1	structure	4
2.1.2	Fascia and ligament	5
2.1.3	Relation with strap muscle	5
2.1.4	Vascular Anatomy And Relation With Laryngeal Innervation	7
2.2.5	Superior thyroid artery and superior laryngeal nerve	7

2.1.6	Inferior thyroid artery and recurrent laryngeal nerve	
2.1.7	Venous drainage	9
2.1.8	Lymphatic drainage	10
2.1.9	Innervation of the thyroid gland.....	10
2.1.10	Embryological development	10
2.1.11	Histology	11
2.2.	Thyroid gland physiology	12
2.2.1	T3 and T4 production and action	12
2.2.2	T3 and T4 regulation	13
2.2.3.	Calcitonin.....	13
2.2.4.	Significance of iodine	14
2.3	Thyroid disorders	15
2.3.1.	Sick euthyroid syndrome	15
2.3.2.	Diseases of the thyroid gland	16
2.3.2.1	Causes.....	17
2.3.3	Congenital Thyroid Diseases	18
2.3.4.	Autoimmune Thyroid Disease	18
2.3.5.	Graves disease.....	18
2.3.6.	Hashimoto's	19
2.3.7.	Subacute thyroiditis	20
2.3.8	Postpartum thyroiditis	20
2.3.9	Miscellaneous conditions	20
2.3.10	Thyroid neoplasia	21
2.3.10.1	Papillary thyroid carcinoma	21

2.3.10.2	Follicular thyroid carcinoma	22
2.3.10.3	Anaplastic thyroid cancer	22
2.3.10.4	Medullary thyroid carcinoma	22
2.3.10.5	Other thyroid malignancies	23
2.3.11	Miscellaneous	23
2.3.12	Hypothalamo pituitary diseases	23
2.3.13	Thyroid hormone resistance syndrome	24
2.3.14	Special situations	24
2.3.14.1	Pregnancy and thyroid diseases	24
2.3.14.2	Thyroid disease in the elderly	26
2.3.14.3	Thyroid diseases in children	26
2.3.15	Iodine and thyroid diseases	27
2.3.16	Thyroid disorders after radiation exposure	29
2.3.17	Thyroid crisis	29
2.3.18	Thyrotoxicosis factitia	30
2.3.19	Endocrine association	30
2.3.19.1	Autoimmune polyendocrinopathy	31
2.3.19.2	Multiple endocrine neoplasia	31
2.4	Previous studies	34

Chapter Three: Materials and methods

3.1	Patient's	38
3.2	Machine used.....	38
3.3	Techniques used	38
3.3.1	CT measurements	39

Chapter Four: Results

4.1.	General characteristics of the sample studied	41
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Chapter Five: Discussion

5.1	Discussion	46
5.2	Conclusion	47
5.3	Recommendations	49
	References.....	50

Appendixes.....	53
------------------------	-----------

List of tables

Table	Item	Page No.
2.1	Diseases of the thyroid gland	17
2.2	Thyroid disease in relation to pregnancy	25
2.3	Consequences of iodine imbalance in the body	27
2.4	Common iodine containing preparation	28
2.5	thyroid hormone abnormality effects	32
4.1	Gender distribution	42
4.2	Age distribution	43
4.3	CT number measurement	44
4.4	CT distance measurement	44
4.5	Texture of mass	46

List of figures

Figure	Item	Page No.
---------------	-------------	---------------------

2.1	Thyroid gland- Anatomy and relationship	6
2.2	Thyroid gland(blood supply and innervation)	9
3.1	show CT scan machine (Toshiba).....	40
3.2	show control panel of CT scan	40
4.1	Gender distribution	42
4.2	Age distribution	43
4.3	The AP diameter in different level	45
4.4	The Right to left diameter in different level	45

Abstract

CT scan is play important role in diagnostic radiology and valuable in Sudan have amore advantage like study of sectional anatomy, evaluate the texture of soft tissue, three damnation imaging and fast sequence examination.

The aim of This study intended to measurement the retrosternal goiter mass, level of extension and texture of mass. Random samples consist of 22 patients who underwent CT scan for chest or neck examination. The patients

were registered (age, gender, HU, AP diameter, right to left diameter, texture of mass and extension) . Out of this sample,15(68%) patients were females while the 7(32%) were males and their ages ranged from 20 to 80 years old. The study was done in – (Royal care) and (Khartoum teaching hospital) hospital-Khartoum.

The study finding mean CT number was 119.2 ± 24.2 and the range was 97 to 163 HU for middle level per procedure, The mean of AP diameter in middle level 59.2 ± 13.5 mm and rang 37 to 91 , The mean of Right to lift diameter in middle level is about 50.2 ± 18.5 mm and rang 19 to 86, the most texture are calcified and the extension level in most patient C4-5 to T4-5.

The study shows measurement of retrosternal goiter for this study were smaller than the most previous study.

ملخص البحث

تمثل الأشعة المقطعية دورا هاما في مجال الأشعة التشخيصية و توفرها في السودان لها عدة مميزات مثل دراسة التشريح المقطعي؛ تقييم قوام الأنسجة الرخوة؛ التصوير ثلاثي الأبعاد و فحص تسلسلي سريع

الغرض من هذه الدراسة تتمثل في قياس أورام الغدة الدرقية؛ مدى امتدادها داخل الصدر و قوامها. أخذت عينة عشوائية تحتوي علي 22 مريض تم عمل الفحص لهم بالأشعة المقطعية للعنق أو الصدر وتم تسجيل العمر؛ النوع؛ وحدة هونسفيلد؛ القطر الأمامي الخلفي؛ القطر من اليمين اليسار؛ و قوام الكتلة و امتداد 15 من الإناث و 7 من الذكور تتراوح أعمارهم بين 20 إلي 80

سنة تم عمل الفحص لهم في مستشفى وريال كير و مستشفى الخرطوم .
التعليمي

متوسط وحدة هونسفيلد $24.2 + 114.2$ و المدى بين 97 إلي 163 و ال قطر
الأمامي الخلفي بمتوسط $13.5 + 59.2$ بمدى 37 إلي 97 ملم و ال قطر من اليمين
معظم ال قوام T4-5 — C4-5 إلي اليسار $18.5 + 50.2$ بمدى 19 إلي 86 ملم و
متكلس و مدى امتدادها في معظم الحالات

هذه الدراسة أوضحت قياس أورام الغدة الدرقية اصغر من الدراسات
السابقة.