

Dedication

TO

The soul of my father....Abd alrahman

My mother...Fatima

My beloved wife... Mashair

My daughters Ayat...Aythar

My old brother...Mohammed

My other brothers

My sisters

.... All my family

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ABSTRACT

Goitre is a common endocrine disorder worldwide. It is endemic in certain populations. It is more common in women and presents mainly in 4th and 5th decades of life.

The study aimed to assessment of goitre in patients admitted to Omdurman Central Military Hospital.

Descriptive cross sectional design. A number of 36 patients with enlargement of thyroid gland, with more than one nodule palpable or enlarged thyroid gland with nodular surface even toxic and nontoxic goitres were included in the study. The duration of study is three month (September to December 2015). The patients were interviewed by qualified physician regarding necessary information pertaining to thyroid. Each patient history was noted on a Performa. It includes age, sex, thyroid age and signs and symptoms associated with thyroid dysfunction. Goitre size was graded according to WHO criteria; (grade 0: absent goitre, grade 1: goitre palpable but invisible with neck in a normal position, grade II: goitre visible with neck in a normal position and grade III: large goitre perceptible at a distance). Data was analyzed using SPSS version 15.0.

The mean age of patients was 43.5 years. The majority 33 (91.7%) of patients were females. The majority of patients were from out of Khartoum 23 (63.9%).

An association was found between gender and goitre, while no association was found with residence and patient's age. We recommend that Active surveillance should be implemented out of Khartoum mainly Kordofan and Darfur States for goiters.

المستخلص

الإصابة بتضخم الغدة الدرقية هو اضطراب في الغدد الصماء والأكثر شيوعاً في جميع أنحاء العالم. وهو منتشر في قطاعات معينة من السكان وأكثر شيوعاً في النساء، ويكون دائماً بشكل رئيسي في العقدين الرابع والخامس في العمر.

هدفت الدراسة إلى قياس مدى انتشار الإصابة بتضخم الغدة الدرقية في المرضى. الذين تم إدخالهم إلى مستشفى أم درمان العسكري المركزي.

المنهجية المتبعة هي تصميم وصفي مقطعي. وقد وجد أن عدد 36 مريضاً من متضخمى الغدة الدرقية، مع أكثر من واحد من أسطح العقيدات المنتفخة متعدد العقيدات السامة وغير السامة ، الإنتفاخات متعدد العقيدات خلال فترة 3 أشهر(من سبتمبر الى ديسمبر 2015). وأجريت مقابلات مع المرضى. من قبل طبيب مؤهل

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List of Abbreviations

Abbreviation	Meaning
Multinodular Goitre	MNG
Cardiovascular System	CVS
United Kingdom	UK
World Health Organization	WHO
Fine Needle Aspiration	FNA
Papillary Thyroid Cancer	PTC
Ultrasound	U/S
Position Emission Tomography	PET

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