

الاية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قال تعالى:

اقْرَأْ بِاسْمِ رَبِّكَ الَّذِي خَلَقَ ﴿١﴾ الْإِنْسَانَ مِنْ عَلَقٍ ﴿٢﴾
﴿٣﴾ اقْرَأْ وَرَبُّكَ الْأَكْبَرُ ﴿٤﴾ الَّذِي عَلَّمَ بِالْقَلَمِ ﴿٥﴾ وَالْإِنْسَانُ أَنْهَ الْأُمِّيَّ الْعُظْمُ ﴿٦﴾

صدق الله العظيم.

سورة العلق {الآيات 5.1}

Dedication

To my father who always supported me in every time

To my mother who is the reason

I am here at all, and made me who I am today

If I donated to her every thing in my life , it is not enough to her

Acknowledgment

My deep thanks to my supervisor Dr. Mohammed Mohammed Omeryousif for this contact supervision, I would like to thank also ultrasound department staff in different centres . Finally I would like to thank my friends, teachers ,and colleagues .

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List of Abbreviations

HRT	Hormone Replacement Therapy
IUCD	Intrauterine contraceptive device
SPSS	statistical package social study
AVM	Arterio-venous malformation
RPOC	Retained product of conception

Abstract

This study aimed to identify and evaluate the endometrial thickness of breast cancer patient whose treated by tamoxifen using ultrasonography .

According to the data was collected from 50 patients at diagnostic ultrasound department at many centers in Khartoum state , during the period from first September to fifteenth of October .The investigated by ultrasound to measure their endometrial thickness.

The data was analyzed by using statistical packages for social sciences (SPSS) under windows using T-test between age of patient, duration time of taking tamoxifen, endometrial thickness before and after treatment.

The results of study gived us relationship between the duration time of taking tamoxifen and endometrial thickness of breast cancer patient ,when there is long time of taking tamoxifen there is big thickness of endometrium .

It concluded that Tamoxifen significantly increases the risk of developing abnormally thickened endometrium in breast cancer patients. There is, thus, a true need for gynaecologic surveillance in such patients to early detect neoplastic change of endometrium that may arise as a result of tamoxifen use.

المستخلص

اجريت هذه الدراسة بهدف تقييم وقياس سمك بطانه الرحم لمرضى سرطان الثدي اللاتي عولجن بدواء تاموكسيفين باستخدام الموجات فوق الصوتية.

اجريت هذه الدراسة على خمسين حالة في عدد من المراكز التشخيصية باقسام الموجات فوق الصوتية بولايه الخرطوم في الفترة الزمنية ما بين الأول من يونيو الى الخامس عشر من اكتوبر 2012 حيث تم عمل فحص موجات صوتيه للحوض.

اوضحت نتائج هذه الدراسة التي تم استخدم فيه اختبار (T-test) بين الفترة الزمنية التي اخذ فيها العلاج وسمك بطانه الرحم قبل وبعد العلاج وعمر المريضه .

واوضحت النتائج هذه الدراسة ان هنالك علاقة طردية بين سمك البطانة والفترة الزمنية للعلاج اي كلما زادت فترة العلاج زاد سمك بطانة الرحم لمریضة سرطان الثدي .

وخلصت الدراسة إلى أن تاموكسيفين يزيد بشكل كبير من خطر الإصابة بسماكة بطانة الرحم بشكل غير طبيعي في مرضى سرطان الثدي. بالتالي، هناك حاجة حقيقية لمراقبة مثل هؤلاء المرضى للكشف في وقت مبكر تغيير بطانة الرحم التي قد تنشأ نتيجة لاستخدام تاموكسيفين.