

الآية

بسم الله الرحمن الرحيم

قال الله عز وجل:

إِنَّ اللَّهَ عِنْدَهُ عِلْمُ السَّاعَةِ وَيُنزِلُ الْغَيْثَ وَيَعْلَمُ مَا فِي الْأَرْحَامِ ۗ وَمَا تَدْرِي
نَفْسٌ مَّاذَا تَكْسِبُ غَدًا ۗ وَمَا تَدْرِي نَفْسٌ بِأَيِّ أَرْضٍ تَمُوتُ ۗ إِنَّ اللَّهَ عَلِيمٌ خَبِيرٌ

سورة لقمان (34)

Dedication

*Every challenging work needs God's helping, self-efforts
as well as encouragement and supporting from those
who are very close to our hearts.*

I dedicate my humble effort to my lovely, wise and kind

Mother & Father,

Whose prays in day and night make me in such success.

To the best sisters and brothers in the world

Eman, Enas, Ayman and Ahmed.

To the sister by heart

Rufaidah

To the hard working, open-handed and respected

Teachers

Thank you, I am nothing without you

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Abstract

This is a hospital based analytical retrospective case control study, conducted at Ribat university hospital, Omdurman military hospital, Soba university hospital and Sudan university of science and technology – college of medical laboratory science, during the period from July to October 2016. This study aimed to detect the expression of E-Cadherin in endometrial tumors, using immunohistochemistry.

Forty paraffin blocks were collected from patient previously diagnosed as endometrium tumors, 20 (50%) were malignant and 20 (50%) were benign.

The paraffin blocks were cut by rotary microtome, and then stained immunohistochemically by new indirect method (dextran labeled polymer). The obtained data was analyzed using SPSS program version 20; the mean, frequency and Chi-square test were calculated.

Positive expression of E-Cadherin was found in 17 (42.5%) sample, and negative expression found in 3 (7.5%) sample in both benign and malignant tumors. This result showed insignificant association of E-Cadherin expression and endometrial tumors (P. value = 1.00).

The age of patients were ranged between 25 to 85 years with mean age of 56.35 years. The study revealed that most of patient were older than 60 years representing 22 (55%) and the remaining 18 (45%) were younger than 60 years.

The study concludes there is no association between E-cadherin expression and endometrial tumors.

المستخلص

أجريت هذه الدراسة المستشفوية التحليلية التراجعية حالة و حالة ضابطة في مستشفى الرباط الجامعي والمستشفى العسكري (أم درمان) ومستشفى سوبا الجامعي (ولاية الخرطوم) وجامعة السودان للعلوم و التكنولوجيا-كلية علوم المختبرات الطبية في الفترة من يوليو إلى أكتوبر 2016م، هدفت الدراسة لتحديد ظهور الإيكادريين في أنسجة أورام بطانة الرحم باستخدام كيمياء الأنسجة المناعية.

جمعت أربعون عينة قالب شمعي من عينات مرضى مشخصين مسبقا بأورام بطانة الرحم، 20 (50%) عينة منهم شخصت على انها أورام بطانة الرحم الخبيثة ، والمتبقية 20 (50%) شخصت على أنها أورام بطانة الرحم الحميدة.

قطعت القوالب باستخدام المشراح الدوار و صبغت بواسطة طريقة كيمياء الأنسجة المناعية (الطريقة الجديدة غير المباشرة). واستخدم برنامج الحزم الإحصائية للعلوم الإجتماعية، النسخة 20 لتحليل البيانات. تم حساب المتوسط، الانحراف المعياري، الترددات و مربع كاي.

تراوحت أعمار المرضى بين 25 و 85 عام بمتوسط عمر 56 سنة، أظهرت الدراسة أن معظم المرضى كانت أعمارهم فوق ال60 سنة، و22 مريض (55%) و المتبقي 18 مريضا (45%) أعمارهم دون ال60 سنة.

أظهرت الدراسة أن الإيكادريين موجب الظهور في 17 (42.5%) عينة و سالب الظهور 3 (7.5%) عينة في جميع أورام بطانة الرحم الحميدة و الخبيثة ، مع عدم وجود علاقة ذات دلالة إحصائية بين الإيكادريين و أورام بطانة الرحم (قيمة $P = 1.00$).

خلصت الدراسة إلى عدم وجود علاقة ذات دلالة إحصائية بين إفراز الإيكادريين و أورام بطانة الرحم.

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