بسم الله الرحمن الرحيم

قال تعالى :

وَالضُّحَى (١) وَاللَّيْلِ إِذَا سَجَى (٢) مَا وَدَّعَكَ رَبُّكَ وَمَا قَلَى (٣) وَلَلْآخِرَةُ خَيْرٌ لَّكَ مِنَ الْأُولَى (٤) وَلَسَوْفَ يُعْطِيكَ رَبُّكَ فَتَرْضَى (٥) أَلَمْ يَجِدْكَ يَتِيمًا فَآوَى (٦) وَوَجَدَكَ ضَالًّا فَهَدَى (٧) وَوَجَدَكَ عَائِلًا فَأَغْنَى (٨) فَأَمَّا الْيَتِيمَ فَلَا تَقْهَرْ (٩) وَأَمَّا السَّائِلَ فَلَا تَنْهَرْ (١٠) وَأَمَّا بِنِعْمَةِ رَبِّكَ فَحَدِّثْ (١١)

صدق الله العظيم

سورة الضحى

Dedication

I dedicate my dissertation work to my family
To my husband who made my life shining
To my love mother
To my father and to my brothers
I dedicate to my sisters have never left my side and are very special
I dedicate this work and give special thanks to my best friend Gowreeia

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Abstract

This is a hospital based descriptive retrospective study conducted in Omdurman Teaching Hospital during the period from January2015to July 2016.The study aimed to investigate the comparison between the expression of high molecular weight cytokeratin (HMWCK) in basal cell carcinoma and squamous cell carcinoma of skin.

A total of 38 formalin fixed paraffin blocks previously diagnosed as skin cancer were selected for this study. Sections of three microns were cut and stained using immunohistochemical method (biogenex indirect technique) for HMWCK detection. The data obtained was analyzed using SPSS computer program version 11.5. The patient ages ranged between 4-93 years with mean age of 55 years, most of them above 50 years.Most of the patients were males.

Out of thirty-eight samples with skin cancer, histopathological diagnosis revealed that 27(71.1%) samples were squamous cell carcinoma and the remaining 11(28.9%) samples were basal cell carcinoma.

Positive expression of HMWCK was found in 20(52.6%) samples of squamous cell carcinoma and in 8(21.1%) samples of basal cell carcinoma with insignificant relation between HMWCK expression and types of cancer (P. value 0.932).

The study concluded that HMWCK expression cannot differentiate between squamous cell carcinoma and basal cell carcinoma of skin.

ملخص البحث

أجريت هذه الدراسة التراجعية الوصفية في مستشفى أمدرمان التعليمي خلال الفترة من يناير 2015 إلى يوليو 2016 بهدف المقارنة بين ظهور السايتوكيراتين ذو الوزن الجزيئي العالي في سرطان الخلايا القاعدية وسرطان الخلايا الحرشفية في الجلد.

جمع 38 قالب محضرة في البرافينومثبة بالكحول تم تشخيصها مسبقا سرطان الجلد. تم قطع مقاطع بسمك ثلاثة مايكرونوصبغها بطريقة الكشف النسيجي الكيميائي المناعي (Biogenex)غير المباشرة للكشف عن المعلم السرطاني (HMWCK).وتم تحليل البيانات التي تم الحصول عليها باستخدام برنامج الحزم الاحصائية للعلوم الاجتماعية إصدار11,5.وتراوحت أعمارالمرضي بين 4_93 سنة مع متوسط عمر 55عاما،ومعظم أعمارالمرضي كانت فوق 50عاما. معظم المرضي كانوا من الذكور.

ثمانية وثلاثون عينة سرطان جلد منها 27(71,1%)كانت سرطان الخلايا الحرشفية والباقي 11(28,9%)كانت سرطان الخلايا القاعدية.

أعطي(HMWCK)عينة ايجابية في 20(52,6%) عينة سرطان الخلايا الحرشفية وفي 8(21,1%) عينات سرطان الخلايا القاعدية مع عدم وجود علاقة بين تعبير(HMWCK)وأنواع سرطان الجلد (قيمة.P 0,932).

خلصت الدراسة إلى أن تعبير (HMWCK) لايمكن من التفريق بين سرطان الخلايا الحرشفية وسرطان الخلايا القاعدية في الجلد.

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List of Abbreviations

BSC	Basal cell carcinoma
DAB	3,3- diaminobenzidene tetra hydrochloride
DNA	Deoxyribonucleic acid
DPX	Distyrene plasticizer xylene
HMWCK	High molecular wieght cytokeratin
HIV	Human immunodeficiency
IF	Intermediate filament
NMSC	Non melanoma skin cancer
PCR	Polymerase chain reaction
SCC	Squamous cell carcinoma
SPSS	Statistical package for the social sciences
UV	Ultra violet

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