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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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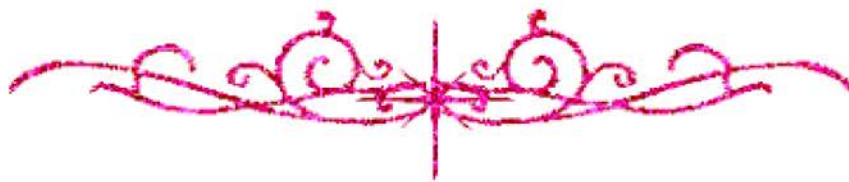
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لم ترد بالأصل



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Expression of E. Cadherin Adhesive Molecules in Melanocytic Naevi And Malignant Melanomas

Thesis

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**Submitted for partial fulfillment of
M.D. in Dermatology and Venereology**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سُبْحَانَكَ

لَا إِلَهَ إِلَّا مَا عَلِمْنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

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List of important abbreviations

• Acral Lentiginous Mucosal Melanoma	A.L.M.M.
• Cadherin	C D
• Cellular adhesion molecules	C A M _s
• E. Cadherin	E.CD
• Endothelial cells	EC _s
• Extra cellular matrix	E.C.M.
• Intercellular adhesion molecules	I.C.A.M.
• Lentigo Maligna	L.M.
• Lentigo Maligna Melanoma	L.M.M
• Malignant Melanoma	M.M.
• Melanocytic Naevi	M.N
• N. Cadherin	N.CD
• Nodular melanoma	N.M.
• P. Cadherin	P.CD
• Superficial Spreading Melanoma	S.S.M.
• Vascular Cell adhesion molecules	V.C.A.M.

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Introduction and Aim of the Work

Expression of E. Cadherin Adhesive Molecules in Melanocytic Naevi And Malignant Melanomas

Introduction

Tumour growth and metastasis involve a series of events from invasion at the site of the primary tumour to growth at distant site. Many of these steps involve changes in the ability of cells to adhere to each other, or to the extra cellular matrix (Baily et al., 1998). X

Cellular adhesion molecules (CAMs) are of fundamental importance at all developmental stages in the vertebrate embryo and adult, as they are required in the establishment and maintenance of tissue structure and functional integrity. Loss of expression of these CAMs on the cell surface may facilitate migration and escape of tumour cells from the primary lesion, resulting in disseminating metastasis (Le- Ming shih et al., 1997).

During tumour progression, it has been well known that one of the critical aspects in tumour invasion and metastasis involves adhesive interactions between tumour cells and between tumour and normal cells in the stroma in a variety of human tumour systems (Herlyn et al., 1997).

Dysregulation in CAMs expression has been frequently observed in association with tumour progression. For example, loss of expression or functional inactivation of the calcium dependent cell – cell adhesion receptor, epithelial Cadherin (E.CD) in epithelial cells may contribute to their transformation (Yleminck et al., 1994).