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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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لم ترد بالأصل



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Growth Factors In Psoriasis

Thesis

Submitted for the partial fulfillment of Masters
degree in Dermatology.

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Abstract

Insulin-like growth factor-I (IGF-I)/somatomedin C is an important mediator of keratinocyte growth, and the expression of IGF-I in the basal layer of normal epidermis suggests that this growth pathway may function in the regulation of keratinocyte growth in vivo as well. The purpose of this study was to obtain a better understanding of IGF-I role in development of psoriasis and to investigate the contribution of dermal fibroblasts to the development of psoriasis. METHODS. We carried out our study on 35 cases, 25 psoriatic patients and 10 controls. Punch skin biopsies were taken and the expression of level of insulin-like growth factor-I (IGF-I) was measured by IRMA. Results: marked increase of expression of IGF-I in involved and uninvolved skin of psoriatic patients in comparison to control. CONCLUSION: Elevated levels of IGF-I in psoriatic plaques suggest an important role exerted by this growth factor on the development of psoriatic plaques possibly through its hyperproliferative effect on keratinocytes.

Key words:

Growth Factors - Insulin growth Factor-I - Psoriasis.

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List of abbreviations

APCs	: Antigen presenting cells.
ARF	: Acute renal failure.
bFGF	: Basic fibroblast growth factor.
BPs	: Binding proteins.
CF	: Control fibroblasts.
CLA	: Skin homing receptors.
CSF	: Colony stimulating factor.
CVDs	: Cardiovascular diseases.
DM	: Diabetes Mellitus.
EGF	: Epidermal growth factor.
EGFRs	: Epidermal growth factor receptors.
ELISA	: Enzyme linked immunosorbent assay.
EPO	: Erythropoietin.
ESAF	: Endothelial cell stimulating angiogenesis factor.
FDR	: Fetal liver kinase insert domain containing receptors.
FGF	: Fibroblast growth factor.
FGFRs	: Fibroblast growth factor receptors.
FIK	: Fetal liver tyrosine kinase I.
GFs	: Growth factors.
GH	: Growth hormone.
GM-CSF	: Granulocyte macrophage colony stimulating factor.

HCC	: Hepatocellular carcinoma.
HIV	: Human immunodeficiency virus.
HLA	: Human lymphocyte antigen.
HMS	: Human bone marrow stromal osteoblasts.
ICAM	: Intercellular adhesion molecule.
IFNs	: Interferons.
IGF-I	: Insulin like growth factor -I.
IGF-II	: Insulin like growth factor -II.
IGFBPs	: Insulin like growth factor binding proteins.
IGFRs	: Insulin like growth factor receptors.
IL	: Interleukin.
KARs	: Killer cells activating receptors.
KC	: Keratinocytes.
KGF	: Keratinocytes growth factor.
KGF-2	: Keratinocytes growth factor-2.
KGFRs	: Keratinocytes growth factor receptors.
KIRs	: Killer cells inhibitory receptors.
LAK	: Lymphokine activated killer cells.
LPs	: Lipopolysaccharides.
MAP	: Mitogen activated protein.
MHC	: Major histocompatibility complex.
MMPs	: Matrix metalloproteinases.
NF	: Normal fibroblasts.