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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



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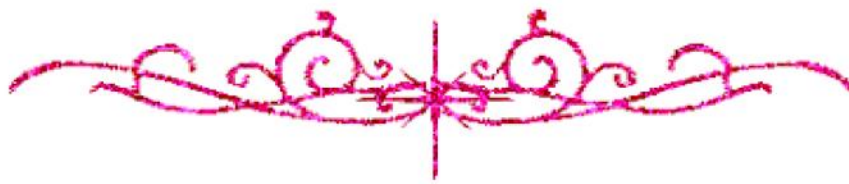
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CLINICAL SIGNIFICANCE OF FIBRONECTIN ASSAY IN RELATION TO HEPATIC AND RENAL DISORDERS

ESSAY SUBMITTED IN PARTIAL FULFILMENT
OF THE MASTER DEGREE

IN CLINICAL AND CHEMICAL PATHOLOGY

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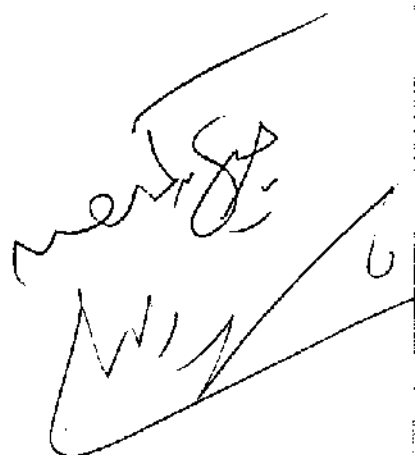
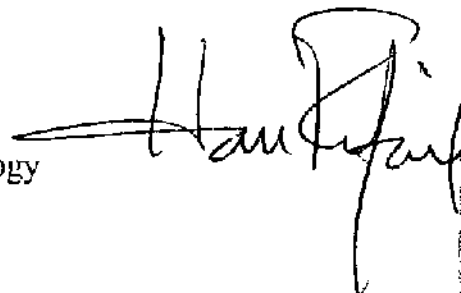
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CONTENTS

I-INTRODUCTION TO FIBRONECTIN	1
A-Definition	1
B-Structure	1
C- Cell Origin and distribution	4
D- Biological functions of fibronectin	7
1-Opsonic Activity	7
2-Role in Haemostasis	8
3-Role in Cutaneous Wound Repair	10
4-Role in Malignant Transformation	11
5-Role in Cell Migration	12
6-Role in cell adhesion	12
7-Role in Restoration of the Cytoskeleton	13
8-Role in Immune Complex Clearance	14
E- Important Interactions of Fibronectin:	14
1-Interaction of fibronectin with Collagens	14
2-Interaction of fibronectin with fibrinogen & fibrin	15
3-Interaction of fibronectin with Actin	16
4-Interaction of fibronectin with Glycosaminoglycans	17
5-Interaction of fibronectin with Cell surfaces	17
6-Interaction of fibronectin with staphylococci	18
7-Interaction of fibronectin with Streptococcus pyogenes	19
8-Interaction of fibronectin with Viruses.	20
9-Interaction of fibronectin with Candida	21

10-Interaction of fibronectin with Parasites	22
F- Physiological Variations in Plasma Fibronectin Levels:	23
1-Age and Sex	
2-Pregnancy	
3-Genetic Factors	
4-Obesity	
G- Pathological Variation in Fibronectin Levels	25
1-Infection	25
2-Burns	26
3-Skin Diseases	26
4-Starvation	26
5-Rheumatic Diseases	27
6-Cardiovascular Disorders	28
7-Blood Diseases	29
8-Splenic Disorders	30
H- Immunological Properties of Fibronectin	30
I-Cell Cultures of Fibronectin	31
 II-FIBRONECTIN IN LIVER DISEASES	 33
1-Fibronectin in Viral Hepatitis	34
2- " " Fulminant Hepatic Failure	35
3- " " Hepatosplenic Schistosomiasis	35
4- " " Hepatic Fibrosis	37
5- " " Liver Cirrhosis	39
6- " " Alcoholic Liver Diseases	40

7-	Fibronectin in Hepatocellular Carcinoma	42
8-	" " the diagnosis of Malignant Ascites	43
9-	" " Fatty Liver	44
 III- FIBRONECTIN IN KIDNEY DISEASES		47
A-	Distribution of Fibronectin in Renal Tissue:	47
	1-In Healthy Kidneys	
	2-In Diseased Kidneys	
B-	Plasma Fibronectin Concentration in Kidney Diseases:	49
	1-In Nephrotic Syndrome	49
	2-In Chronic Uraemia	51
	3-In Haemolytic - Uraemic Syndrome	52
	4-Fibronectin and Dialysis	54
	5-Fibronectin and Renal Transplantation	55
	6-Fibronectin and SLE Nephritis	56
	7-Fibronectin and Renal Cell Carcinoma	58
 IV PLASMA FIBRONECTIN ASSAYS		59
A-	Sample Specifications	59
B-	Assay Methods	59
	1-Electro-immunoassays	61
	a-Rocket electrophoresis	61
	b-Combined electrophoresis-immunofluorescence technique	62
	2- Nephelometric Assay	63

3-Turbidimetry	64
4-Enzyme Linked Immunosorbent Assay(ELISA)	65
5-Radio-Immunoassay (RIA)	66
6-Single Radial Immunodiffusion Method	67
SUMMARY	69
REFERENCES	74

**INTRODUCTION
AND
AIM OF THE WORK**

INTRODUCTION

Fibronectin encompasses a family of high molecular weight adhesive glycoproteins. It is widely distributed in the extravascular matrix and tissue fluids including plasma. Through the ability to bind cells and components of the extracellular matrix, fibronectin plays an important role in normal tissue development and turn over wound repair and inflammatory processes characterized by tissue remodelling (*Waller et al., 1992*). It was found also that fibronectin has a role in inhibition of tumour cell adhesion and metastasis. (*Saik, 1993*).

Increased plasma and tissue fibronectin concentrations were observed with increasing age in some age related diseases such as diabetes mellitus and osteoarthritis. High levels were observed in patients suffering from liver diseases such as hepatic fibrosis (*Yamouchi et al., 1991*), and hepatic malignancy (*Collored et al., 1991*).

Plasma fibronectin variations were found in some autoimmune diseases such as systemic lupus erythramatosus. Such levels were found to correlate well with disease activity (*Herbert et al., 1990*). Increased plasma concentration were also encountered in cases of IgA nephropathy. (*Urae, 1990*).

Aim of the Work:

The aim of the present study is to give a detailed account on fibronectin, its structure, sites of origin, distribution, assay techniques and reference range in plasma and other body fluids. In addition, the clinical significance of fibronectin assays in relation to various disease disorders will be discussed with special reference to its value in the diagnosis and manitoring of various hepatic and renal disorders.

**REVIEW
OF LITERATURE**