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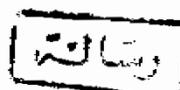
EFFECT OF INTERFERON THERAPY ON ISOTOPIC SCANNING IN CHRONIC LIVER DISEASES

Thesis submitted for partial fulfilment of the
M. Sc. Degree in Internal Medicine

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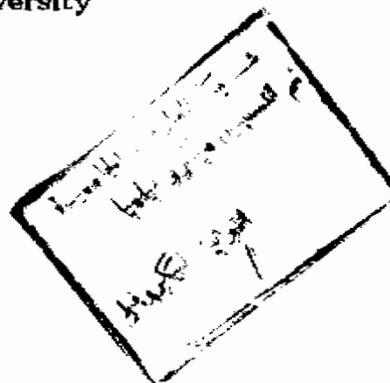
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LIST OF ABBREVIATIONS

Anti HCV	: Antibodies against hepatitis C virus .
ALT	: Alanine transaminase .
AST	: Aspartate transaminase .
CAH	: Chronic active hepatitis .
CPH	: Chronic persistent hepatitis .
DNA	: Deoxy ribonucleic acid .
ELISA	: Enzyme Linked Immunoblot Assay .
FWHM	: Full Width Half Maximum .
Gm/dl	: Gram per deciliter .
HBcAb	: Hepatitis B core antibody .
HBcAg	: Hepatitis e antigen .
HBsAg	: Hepatitis surface antigen .
HBV	: Hepatitis B virus .
HCC	: Hepatocellular carcinoma .
HCV	: Hepatitis C virus .
HLA	: Human leucocytic antigen .
HIV	: Human immune virus .
IgM	: Immunoglobulin M .
MCI	: Millicurie .
Mg/dl	: Milligram per deciliter .
M/U	: Million international unit .
NA , NB	: Non-A , Non-B hepatitis .
NK cells	: Natural killer cells .

L/S ratio: Liver/spleen ratio .

PBMC : Peripheral blood mononuclear cells .

PCR : Polymerase chain Reaction .

PG : Picogram = Micro microgram .

PMN : Picemeal necrosis .

RIBA : Recombinant Immunoblot Assay .

RNA,mRNA : Ribonucleic acid , mesenger RNA .

ROI : Regions of interst .

Ta : The time between the end of arterial and the beginning of portal phase .

Tc-99m : Technitim 99 in metastable state .

Tr : The time between the end of portal phase and the beginning of recirculation phase .

UDCA : Ursodeoxy Cholic acid .

INTRODUCTION AND AIM OF
THE WORK

INTRODUCTION

Isotopic scanning is considered as an established method of diagnosis of chronic liver diseases .

(Fleming et al , 1983)

Cirrhosis or any diffuse hepatocellular disorder such as viral hepatitis is associated with generalized decrease and increase in uptake of the isotope by the liver and , spleen , bone marrow respectively .

(Mc Laren et al , 1985)

Hepatitis C virus is a major cause of morbidity and mortality in patients with chronic liver diseases .

The incidence of chronicity , after acute hepatitis infection , seems to be at least 30 - 40 % .

(Sherlock , 1984)

Extensive studies have been carried out to evaluate the role of interferon therapy in the treatment of viral infection of the liver .

(Howard and Stephen , 1991)

AIM OF THE WORK

The aim of this study is to find out the effect of interferon therapy on isotopic scanning in chronic liver diseases due to hepatitis C infection .