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شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم



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BETA-CATENIN EXPRESSION IN HEPATOCELLULAR CARCINOMA

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Thesis

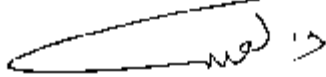
Submitted for Partial Fulfillment of Master Degree in
Pathology.

By

Mervat Mahmoud Ismail Sultan
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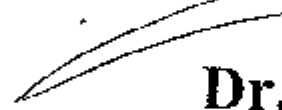
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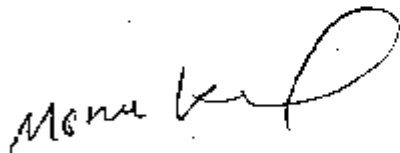
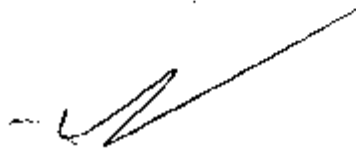

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BETA-CATENIN EXPRESSION IN HEPATOCELLULAR CARCINOMA

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List of abbreviations

- A1AT** alpha-1-antitrypsin deficiency disease
- AFP** Alpha fetoprotein
- ALT** alanine transaminase.
- AST** aspartate transaminase
- B-cat** Beta-catenin
- BSA** Bovine serum albumen
- CBC** complete blood count.
- CEA** carcinoembryonic antigen
- COX** cyclooxygenase
- CT** Computerized Tomography
- CTNNB1** gene encoding β -catenin protein
- ELISA** enzyme - linked immunosorbent assay.
- EGF** epidermal growth factor
- FFPE** Formalin-fixed, paraffin-embedded
- Fig** Figure
- F-test** Anova test
- GSK3** glycogen synthase kinase 3
- HAI** histological activity index or hepatic activity index.
- HBsAg** hepatitis B surface antigen.
- HBV** hepatitis B virus.
- HCC** hepatocellular carcinoma.
- HCV** hepatitis C virus.
- HIV** Human immuno-deficiency virus
- HPI** Hepatocellular prognostic index
- Hx.&E** hematoxyline and eosin
- IGF-II** Insulin-like growth factor II
- LCD** liver cell dysplasia

MMP matrix metalloproteinase

MRNs macroregenerative nodules

Modified HAI modified histological activity index.

MOIVC Membranous obstruction of the inferior vena cava

No. Number.

PAR plasminogen activator receptor

PBC Primary biliary cirrhosis

P.B.S phosphate buffer saline

PCR polymerase chain reaction.

PD-ECGF Platelet derived endothelial cell growth factor

PT prothrombin time.

RER rough endoplasmic reticulum.

RNA ribonucleic acid

S Significant

SD standard deviation.

TCF/LEF T cell factor/lymphoid enhancer factor

TGF transforming growth factor

T-test Student' t-test

UICC Union International Conter le Cancer

U/S Ultraso-nography

U.S.A. United State of America

WHO World Health Organization

X Arithmetic mean

X² Chi-square test