MANAGEMENT OF MALIGNANT OVARIAN GERM CELL TUMORS

Essay

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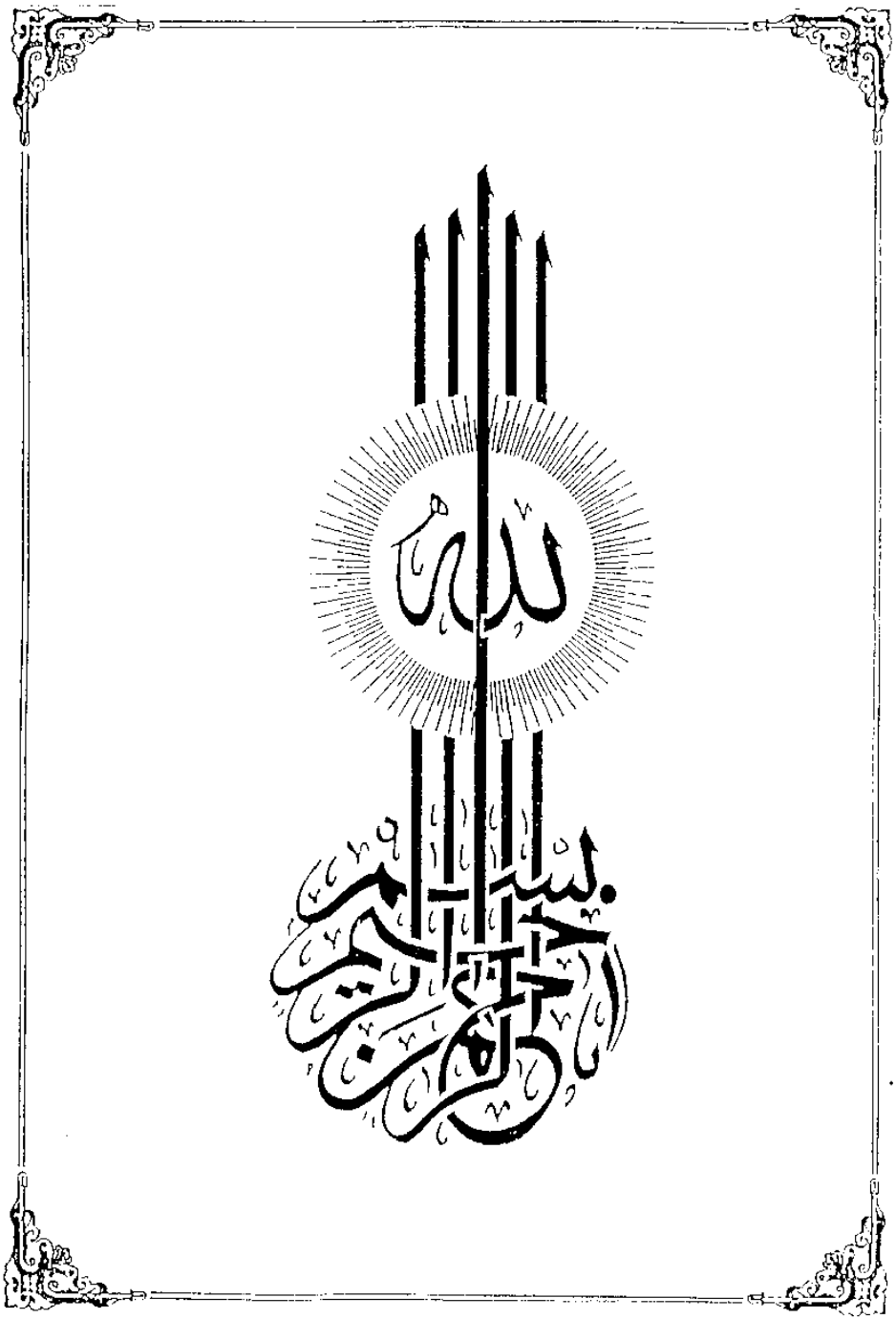
1995

TO THE MEMORY OF MY GRAND-MOTHER

TO THE MEMORY OF MY GRAND-FATHER

TO THE MEMOPΨ OΦ MΨ ΓPANΔ-MOTHEP

TO THE MEMOPΨ OΦ MΨ ΓPANΔ-ΦATHEP



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LIST OF ABBREVIATIONS

ACE	Adriamycin, Cyclophosphamide, Etoposide.
AFP	Alpha-feto protein.
ASUHS	RT and NMD Ain Shams University Hospitals. Radiotherapy and Nuclear Medicine Department.
BEP	Bleomycin, Etoposide, Cisplatin.
BOMP.	Bleomycine, oncovine, methotrexate, platinole.
CA 125	Cancer Antigen 125.
CA 19.9	Cancer Antigen 19.9.
CEA	Carcino embryonic Antigen.
CR	Complet response.
CT	Computed Tomography.
EMA-Co	Etoposide, Methotrexate, Dactinomycin. D.
FNAB	Fine needle aspiration biopsy.
GCT	Germ cell tumors.
Gd DTPA	Gadolinum DTPA.
hCG	Human chorionic gonadotropine.
KD	Kilodalton.
LAG.	Lymphangiography.
LCA	Lense cullinaris haemagglutinin.
LDH	Lactic dehydrogenase.
MOGCT	Malignant ovarian germ cell tumors.
MRI	Magnetic Resonance Imaging.
NCI	National Cancer Institute.
NSE	Neuron specific enolase.
NUSM	Nagoya University School of Medicine.
OMP	Vinblastin, Methotrexate, Platinole.
PAV	Platinole, Adriamycin, Vinblastin.
PR	Partial response.
TAS	Trans abdominal sonography.
TPA	Tissue polypeptide Antigen.
TVS	Trans vaginal sonography.
UTMDACC	University of Texas M D. Anderson Cancer Center.
VAC	Vincristine-Actinomycine D-Cyclophosphamide.

VBP	Vinblastine, Bleomycin, Cisplatin.
VIP	Vinblastine, Ifosfamide, Cisplatin.

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INTRODUCTION

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Ovarian germ cell tumors (OGCT) are a heterogenous and complex group of disease. Study of these fascinating neoplasms is hampered by their complexity and rarity. However, these neoplasms have importance beyond their numerical incidence, because they typically occur in young women and improvement of treatment will enable a substational majority of these patients not only to survive their disease but, also to preserve their fertility.

Among ovarian neoplasms many germ cell tumors possess the unique property of producing biologic markers which can be detected in the serum. The development of specific and sensitive radioimmuno assay techniques for measuring hCG and AFP has led to dramatic improvements in monitoring of patients with these tumors, thus, helping the diagnosis of these tumors and more importantly, may be used in monitoring the response to treatment as well as in detecting subclinical disease recurrence.

AIM OF THE
SUBJECT

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This essay's aim is to review the most recent publications in the subject of management of ovarian malignant germ cell tumors (OMGCT), and to evaluate the impact of the recent advances in early diagnosis and management on both survival and fertility in young patients who got OMGCT.

ANATOMY &
HISTOLOGY