سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

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التوثيق الالكتروني والميكروفيلم

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التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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بعض الوثائق الأصلية تالفة

سامية محمد مصطفى

بالرسالة صفحات لم ترد بالأصل

LASER THERAPY IN HEMANGIOMAS AND ARTERIO-VENOUS MALFORMATIONS

THESIS

Submitted For Partial Fulfillment For The Master degree in

General Surgery

By

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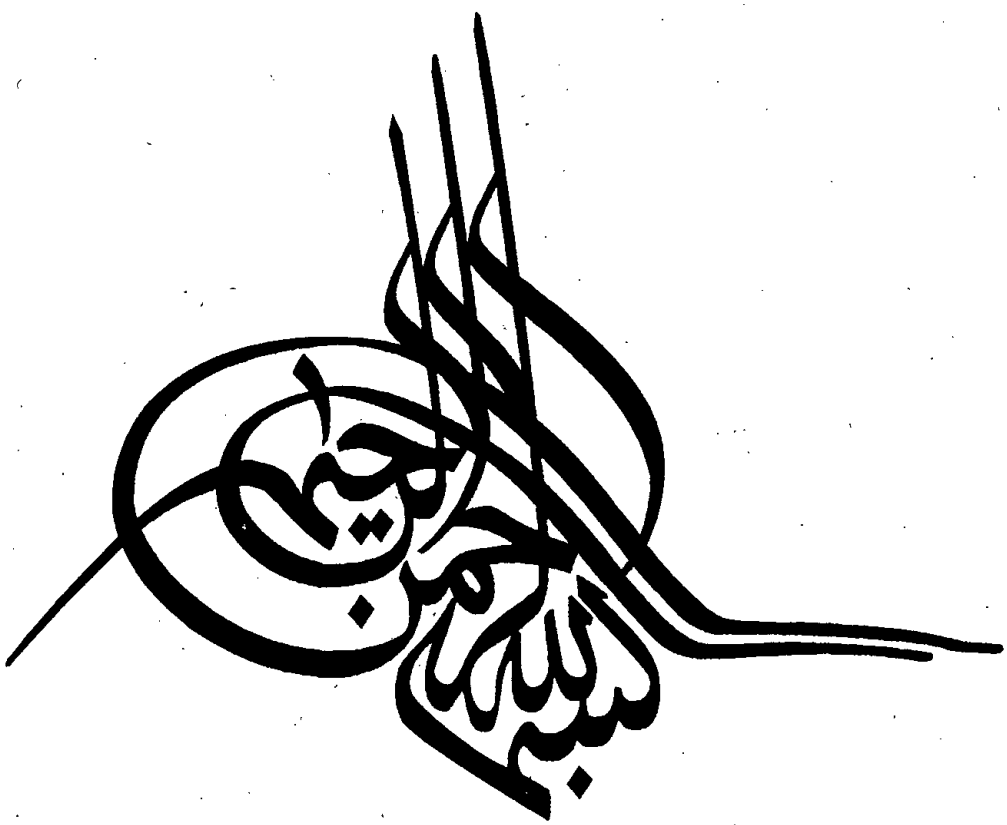
بسم الله الرحمن الرحيم

To My Family

ACKNOWLEDGEMENT

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LIST OF ABBREVIATIONS

A	:	Angstrom
AMs	:	Arterial Malformations
AVFs	:	Arterio-venous fistulae
AVMs	:	Arterio-venous malformations
C.T	:	Computed tomography
CLAVF	:	Capillary lymphatico Arterio-venous fistulae
CLAVMs	:	Capillary lymphatico-Arterio-venous malformations
CLMs	:	Capillary-lymphatic malformations
CLVMs	:	Capillary lymphatico- venous malformations
CMs	:	Capillary Malformations
CO_2	:	Carbon Dioxide
FPDL	:	Flashlamp pulsed Dye laser
in	:	Inch
KTP	:	Potassium Titanyl Phosphate
Laser	:	Light amplification by the stimulated emission of radiation.
LMs	:	Lymphatic Malformations
mm	:	Millimeter
MRI	:	Magnetic resonance imaging
ms	:	Millisecond
Nd:YAG	:	Neodymium Yattrium-Aluminum Garnet Laser
nm	:	Nanommeter
PR	:	Photo Radiation Therapy
PWS	:	Portwine stain
um	:	Micro meter
VMs	:	Venous Malformations
W	:	Watt

CONTENTS

CONTENTS

INTRODUCTION AND AIM OF WORK

INTRODUTION AND AIM OF WORK

Hemangiomas and vascular malformations are the most frequently benign tumours in infants and children (Werner et al., 1998). Intervention is recommended as early as possible since the course of the development of hemangioma cannot be predicted and complications may occur at any time. These complications may be in the form of ulceration and bleeding, involvement of important structures such as the eye lids, rapid growth or psychological distress to the patients or their parents (Landthaler et al., 1995).

Many alternative treatment modalities for hemangiomas and vascular malformations have been advocated. These modalities include steroid therapy, sclerotheroapy, embolization and surgery. Over the past 15 years, laser therapy has found its place among the treatment strategies for vascular anomalies (Wheeland, 1995).

Our aim of this work is to evaluate the role of Nd: YAG laser in the treatment of different types of hemangiomas and vascular malformations.