

CONTENTS

	Page
Chapter I : Introduction	
A. Historical Background	1
B. Technical Background	4
Chapter II : Types of Lasers	19
Chapter III : Surgical laser at present in medicine..	23
Chapter IV : 1.Effects on tissues	25
2.Advantages of using laser	27
3.Hazards and safety considerations	29
Chapter V : Laser Arrangment for Endoscopic photocoagulation.....	31
Chapter VI : Uses of laser in gastro-enterology	37
1. Laser Endoscopy for managment of bleeding peptic ulcer.....	
2. Endoscopic management of G.I. Cancer.	
3. Laser treatment of bleeding esophageal varices.....	
4. Uses of laser in liver surgery	
5. Other uses of laser in Gastro-Enterology.	
Chapter VII: Uses of laser in thoracic surgery	83
Chapter VIII: Uses of laser in urology	89
Chapter IX : Uses of laser in cutaneous and plastic- surgery	94

	Page
Chapter X : Other uses of laser	
1. In neurosurgery	100
2. In vascular surgery	102
3. Surgical laser in the future	104
Summary	106
References	108
Arabic Summary	