



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية  
@ ASUNET



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

## قسم

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



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of  
15-25- c and relative humidity 20-40%

# بعض الوثائق الأصلية تالفة

# بالرسالة صفحات لم ترد بالاصل



**Extra Corporeal Shock Wave  
Lithotripsy  
In Management of Ureteric Calculi**

B 4931

*Sayed*  
*Ed*  
*95*  
*3*

Essay

Submitted for Partial Fulfillment  
Of the master degree

*ref*  
*ms*

In

Urology

By

**Ashraf Sabry Kamel**

Supervised by

**Prof. Dr. Mohamed Amin El Baz**

Prof. of Urology

Faculty of Medicine (Ain Shams University)

**Dr. Hany Mostafa**

Lecture of Urology

Faculty of Medicine (Ain Shams University)

(1997)



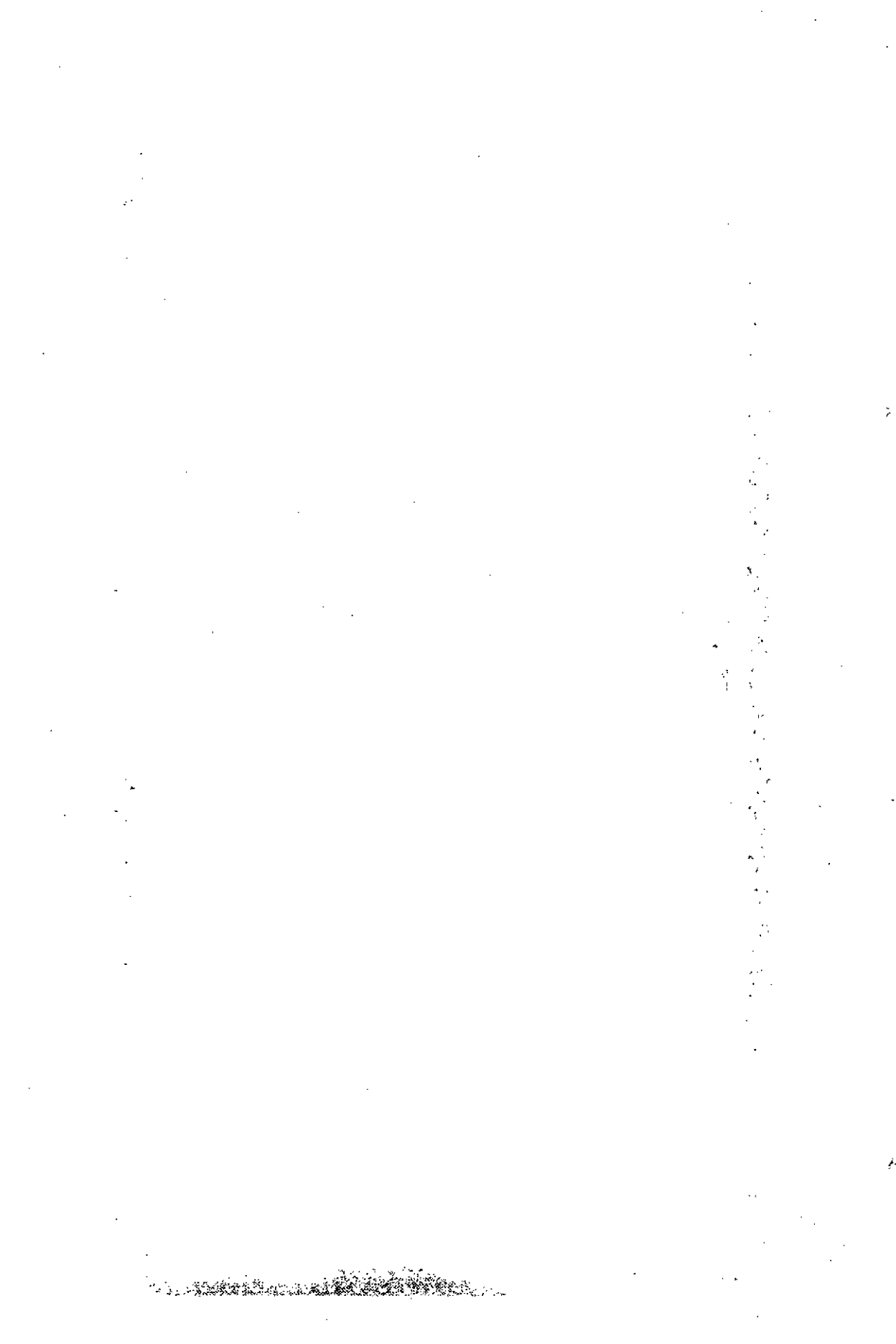
# contents





# Contents

- Acknowledgment	3
- Introduction	4
- Historical development of ESWL	5
- Physics of ESWL	14
- Stone composition and and fragility	31
- Indication of ESWL	35
- Contra indicantion for lithotripsy	38
- Anatomy of the ureter	42
- Treatment of ureteric stones with ESWL	47
- ESWL in ureteric stone at different level	49
- Stenting versus non stenting of the ureter with ESWL.	61
- Complication of ESWL	69
-English summary	78
- Reference	79
- Arabic summary	99





# Acknowledgment



## **ACKNOWLEDGMENT**

I wish to express my sincere gratitude and deep appreciation to Professor **Mohamed Amin El Baz**, Professor of Surgical Urology at Ain Shams University; for his continuous encouragement, elegant choice of the subject, sincere devotion, valuable cooperation, honest and generous guidance, and for giving me the privilege of working under his supervision during the preparation of this work.

No word can express my gratitude, thanks and appreciation to Doctor **Hany Mostafa**, Lecturer of Surgical Urology at Ain Shams University; who spared no time or effort to guide me throughout this work. His constructive criticism and revision of all details had a great impact on the outcome of this work.

Also I wish to express my sincere and deep appreciation to all members staff of urological department at Ain Shames University.



