

C O N T E N T S

	Page
- INTRODUCTION.....	1
- AIM OF THE WORK.....	4
- REVIEW OF LITERATURE:	
I. Normal Defensive Mechanisms Against LUTI.....	5
II. Urethritis.....	9
III. Prostatitis.....	12
Mycoplasma:	
I. Historical Introduction of Mycoplasma.....	36
II. Taxonomy and Classification.....	38
III. Microbiology of Mycoplasma:	
- Colonial morphology.....	42
- Cellular morphology.....	44
- Cultivation.....	45
- Biochemical reactions.....	50
- Chemical composition, metabolism and resistance.....	54
- Antigenic structure and serological methods for identification of mycoplasma.....	55
IV. Virus Infection of Mycoplasma.....	60

	Page
V. Role of Genital Mycoplasma:	
- In diseases of male genital tract.....	61
- In diseases of female genital tract.....	64
- In disorders of reproduction.....	66
- In disorders of the urinary tract.....	68
VI. Laboratory Diagnosis of Mycoplasma:	
1) Isolation of mycoplasma from clinical specimen.....	70
2) Serodiagnosis.....	72
VII. Epidemiology.....	74
- Prevention and treatment.....	76
Chlamydia:	
I. Historical Introduction of Chlamydia.....	78
II. Taxonomy and Classification of Chlamydia.....	79
III. Microbiology of Chlamydia:	
- Developmental cycle.....	86
- Chemical composition and antigenic structure of <i>C.trachomatis</i>	90
- Latent and persistent infections of <i>C.trachomatis</i>	95
- Antichlamydial immunity.....	97

	Page
IV. <i>C.trachomatis</i> Infections:.....	108
- Urogenital <i>C.trachomatis</i> infection in men.....	110
- Urogenital <i>C.trachomatis</i> infection in women.....	111
V. Laboratory Diagnosis of Urogenital <i>C.trachomatis</i> :	
1) Direct microscopy.....	113
2) Direct antigen detection.....	115
3) Isolation and culture.....	118
4) Serological methods.....	125
VI. Prevention and Treatment of <i>C.trachomatis</i>	127
- MATERIALS AND METHODS:	
Subjects of Study.....	129
Materials.....	131
Methods.....	142
- RESULTS:	161
Statistical Analysis.....	166
- DISCUSSION.....	223
- SUMMARY AND CONCLUSION.....	239
- REFERENCES.....	245
- ARABIC SUMMARY.....	