

CONTENTS

	Page No.
* Introduction.....	1
* Aim of Work.....	4
❖General properties of Fungi	5
- Classification of fungi.....	7
- Genus Candida.....	12
- Morphology and ultra structure of Candid species.....	17
- Antigenic structure of Candida.....	21
- Virulence factors of Candida.....	26
- Epidemiology.....	30
❖Immunity to Candida infection	
- Non-immune host mechanisms.....	32
- Immune host mechanisms.....	32
❖Fungal infections in patients with hematological malignancy	37
- Predisposing factors.....	38
- Causative organism.....	42
- Infection caused by Candida.....	42
- Candidemia	51
❖Laboratory diagnosis of Candida	57
- Direct methods.....	59
-Serological methods	78
- Molecular approaches for typing Candida species.....	83
❖Real Time Polymerase Chain Reaction (PCR)	86
❖Antifungal agents	103
*Subjects and Methods.....	122
*Results.....	149
*Discussion.....	166
*Summary.....	180
*Conclusion and Recommendation.....	186
*Reference.....	187
*Arabic Summary.....	236