Contents

Subject	Page
❖ <u>Introduction</u>	1
❖ Aim of the work	4
❖ Biology of immune system;	
Definition of immune system	5
Layered defense in immunity	6
Cancer immunology	17
❖ Multiple Myeloma (MM)	
Epidemiology of Multiple Myeloma	22
Mortality/Morbidity of (MM)	23
Pathophysiology of Multiple myeloma	25
Workup for Multiple Myeloma	34
Diagnostic criteria of Multiple Myeloma	49
❖ <u>Differentials of Multiple myeloma</u>	
Monoclonal gammopathy of undetermined	51
significance	
Solitary bone plasmacytoma	58
Asymptomatic multiple myeloma	63
Waldenström macroglobulinemia	71

 Amyloidosis 	74	
Other Plasma Cell Disorders	76	
* Treatment of Multiple myeloma		
Conventional Therapies of MM	77	
Novel Therapies	79	
Combination Therapy	82	
Hematopoietic Stem Cell Transplant in MM	84	
Emerging Agents in clinical trials	89	
Supportive care of MM	94	
❖ Prognosis of Multiple Myeloma	105	
* Future directions of multiple myeloma	112	
❖ Multiple Myeloma Manifesto	113	
* Summary	116	
* References	119	
❖ Arabic summary		