

LIST of CONTENTS

=====

Page

• Review of the literature:-

1- Introduction & aim of the work.....	1
2- Pathogenesis of lupus nephropathy.....	3
- Genetic Contribution.....	4
- T-cell.....	7
- B-cell.....	9
- Cytokines.....	10
- Auto antibody production.....	15
- Complement.....	21
3- Clinical manifestation.....	22
4- Course & prognosis and overall survival.....	26
5- Pathology of lupus nephritis.....	28
- WHO class I: normal glomeruli.....	28
- WHO class II: Mesangial proliferation (I , II).....	28
- WHO class III: Focal & Segmental LGN.....	34
- WHO class IV: Diffuse proliferative LGN.....	35
- WHO class V: Membranous LGN.....	36
- Pathologic indices of activity & chronicity.....	39
6- Clinicopathological correlation.....	42
7- Subset of lupus syndrome.....	46
- Overlap syndrome.....	46
- Drug-induced lupus.....	46
- Antiphospholipid antibody syndrome.....	47
8- Management of lupus nephritis.....	48
- The therapeutic trials in lupus nephritis.....	51
- The acute phase: Induction treatment.....	51
- Corticosteriod.....	51
- Cytotoxic agents.....	52
- Plasmapheresis	52
- The chronic phase: maintenance treatment	53
- Corticosteriod.....	54
- Cytotoxic agents.....	54

- Mycophenolate mofetil.....	56
- Cyclosporine.....	57
- Intravenous immunoglobulin.....	58
- Chloro-2 Deoxy adenosine	58
- Antimalarials	58
- Monoclonal antibodies	58
- Manipulating on cytokines	59
- Recombinant human DN ase.....	60
- Dialysis and transplantation in lupus nephritis	61
- Complications of lupus and its treatment	61
9- Cyclophosphamide.....	64
- Chemistry.....	64
- Pharmacology.....	64
- Toxicology.....	66
- Clinical pharmacology.....	66
- Pharmacokinetics.....	67
- Concentration-effect relationship.....	70
- Metabolism.....	70
- Pharmaceutics.....	72
- Contraindication.....	73
- Side effects.....	74
- Drug interaction.....	76
- Therapeutic use.....	77
• Materials and Methods	80
• Results	86
• Discussion	134
• Summary and conclusion	143
• References	145
• Arabic Summary	