

CONTENTS

1. INTRODUCTION AND AIMS.....	9
2. DEFINITIONS	10
2.1. Microalbuminuria	10
2.2. Diabetic nephropathy	10
2.3. Nephrotic range albuminuria.....	10
2.4. Progression of diabetic nephropathy.....	11
2.5. Remission	12
2.5.1. Regression of microalbuminuria	12
2.5.2. Remission and regression of diabetic.....	12
nephropathy.....	12
2.5.3. Remission of nephrotic range albuminuria.....	12
3. METHODS	13
3.1. Glomerular filtration rate	13
3.2. Statistical methods.....	13
4. STUDY POPULATIONS	13
5. NATURAL HISTORY OF DIABETIC NEPHROPATHY ...	14
6. INCIDENCE OF SEVERE DIABETIC MICROANGIOPATHY	16
7. INITIATION OF DIABETIC NEPHROPATHY.....	20
7.1. Genetic susceptibility.....	22
7.2. Metabolic changes	23
7.3. Haemodynamic abnormalities	26
7.4. Growth factors and cytokines.....	29
7.5. Other factors associated with development of diabetic nephropathy.....	32
8. PROGRESSION OF DIABETIC NEPHROPATHY	32
8.1 Risk factors for progression	33
8.1.1. Genetics	33
8.1.2. Blood pressure	34
8.1.3. Albuminuria.....	38
8.1.4. Metabolic alterations.....	41
8.1.5. Protein intake.....	43
8.1.6. Smoking	45
8.2. New predictors of progression of diabetic nephropathy	49