

CONTENT

| Items | Page |
|---|------|
| List of tables | II |
| List of figures related to result | IV |
| List of figures related to literature review | VI |
| List of abbreviations | VII |
| Abstract | |
| <u>Introduction</u> | 1 |
| <u>Aim of the study</u> | 3 |
| <u>Review of literature</u> | 4 |
| Definition | 4 |
| Magnitude of the problem | 5 |
| Predisposing Factors | 7 |
| Pathophysiology | 9 |
| Clinical Manifestations | 11 |
| Diagnosis | 23 |
| Prevention of Rheumatic Heart Disease | 26 |
| Complications | 29 |
| Prognosis | 34 |
| Medical Management | 35 |
| Nursing Management | 38 |
| <u>Subjects & Methods</u> | 43 |
| <u>Results</u> | 47 |
| <u>Discussion</u> | 66 |
| <u>Conclusion</u> | 75 |
| <u>Recommendation</u> | 76 |
| <u>Summary</u> | 77 |
| <u>References</u> | 82 |
| Appendices | |
| Arabic summary | |

LIST OF TABLES

| Table | Page |
|---|------|
| 1. Socio demographic characteristics of children with RF..... | 48 |
| 2. Number & percentage distribution of mothers according to their socio demographic characteristics | 50 |
| 3. Number & percentage distribution of children according to environmental circumstances | 53 |
| 4. Mother's knowledge regarding rheumatic fever | 54 |
| 5. Number & percentage distribution of Mother's practice regarding care of their children with rheumatic fever..... | 55 |
| 6. Number & percentage distribution of mothers practice toward treatment of their children with RF..... | 56 |
| 7. Mother's practice regarding their children follows up..... | 57 |
| 8. Relation between mother's knowledge and age..... | 58 |
| 9. Relation between mother's knowledge and their level of education. | 59 |
| 10. Relation between mother's occupation and their total knowledge about rheumatic fever..... | 60 |
| 11. Relation between mothers practice and their age..... | 62 |
| 12. Relation between mothers practice and level of education..... | 63 |
| 13. Relation between mothers practice & their housing condition..... | 64 |
| 14. Comparison between mothers practice and environmental circumstances..... | 65 |

LIST OF FIGURES

Figures related to result:

| Figure | Page |
|---|------|
| 1. Socio demographic characteristics of children according to their gender | 49 |
| 2. Distribution of the mothers according to their level of education | 51 |
| 3. Distribution of the studied mothers according to their occupation | 52 |
| 4. Correlation between mother's occupation and their total knowledge about rheumatic fever..... | 61 |

List of Figures of Literature Review:

| Figure | Page |
|---|------|
| 1. Chest radiograph of an 8 years old patient with acute carditis before treatment..... | 12 |
| 2. Aortic valve showing active valvulitis. The valve is slightly thickened and displays small vegetations | 13 |
| 3. Cardiovascular Pathology | 14 |
| 4. Rheumatic heart disease at autopsy with characteristic findings..... | 15 |
| 5. Poststreptococcal reactive arthritis | 17 |
| 6. Chorea | 19 |
| 7. Chorea | 19 |
| 8. Erythema marginatum | 20 |
| 9. Erythema marginatum | 20 |
| 10. Subcutaneous rheumatic nodules | 21 |
| 11. Subcutaneous nodule on the extensor surface of elbow of a child with acute | 22 |
| 12. Use of echocardiography in diagnosis of acute rheumatic fever..... | 25 |
| 13. Tow dimensional parasternal long axis view..... | 26 |
| 14. The management of RF..... | 37 |
| 15. Rheumatic fever | 41 |
| 16. Rheumatic fever | 42 |

LIST OF ABBREVIATIONS

| Abb. | Meaning |
|-------|--|
| 2-D | Two Dimension |
| AHA | American Heart Association |
| AIHW | Australian Institute of Health and Welfare |
| AO | Aorta |
| ARF | Acute Rheumatic fever |
| ASOT | Antistreptolysin O Titer |
| CHD | Congestive Heart Disease |
| CNS | Central Nervous System |
| CRP | C-reactive Protein |
| ESR | Erythrocyte Sedimentation Rate |
| GABHS | Group A. Beta hemolytic Streptococcus |
| GAS | Group A. Streptococcus |
| LA | Left Atrium |
| LV | Left Ventricle |
| PR | Prolonged |
| RA | Right Atrium |
| RHD | Rheumatic Heart Disease |
| RV | Right Ventricle |
| SC | Sydenham's Chorea |
| U. | Unit |
| WBC | White Blood Cells |