

# CONTENTS

|                                                                                  | Page       |
|----------------------------------------------------------------------------------|------------|
| List of Abbreviations                                                            |            |
| List of Figures                                                                  |            |
| List of Tables                                                                   |            |
| <b>Introduction .....</b>                                                        | <b>1</b>   |
| <b>Aim of the Work .....</b>                                                     | <b>3</b>   |
| <b>Review of Literature</b>                                                      | <b>4</b>   |
| <b><i>I. Surgical anatomy of the lacrimal drainage system.....</i></b>           | <b>4</b>   |
| <b><i>II. Disorders of the nasolacrimal duct</i></b>                             | <b>7</b>   |
| 1. Primary acquired nasolacrimal duct obstruction .....                          | 7          |
| 2. Trauma .....                                                                  | 9          |
| 3. Intranasal disorders .....                                                    | 9          |
| <b><i>III. Surgical management of acquired nasolacrimal duct obstruction</i></b> | <b>10</b>  |
| 1. External dacryocystorhinostomy .....                                          | 10         |
| 2. Endoscopic dacryocystorhinostomy .....                                        | 13         |
| 3. Endonasal laser – assisted dacryocystorhinostomy .....                        | 14         |
| 4. Transcanalicular dacryocystorhinostomy .....                                  | 14         |
| 5. Minimally invasive techniques                                                 | 15         |
| A. Silicone intubation .....                                                     | 15         |
| B. Balloon dacryocystoplasty .....                                               | 16         |
| C. lacrimal stent .....                                                          | 16         |
| <b>Patients and Methods .....</b>                                                | <b>18</b>  |
| <b>Results .....</b>                                                             | <b>43</b>  |
| <b>Discussion .....</b>                                                          | <b>92</b>  |
| <b>Summary .....</b>                                                             | <b>102</b> |
| <b>Conclusion .....</b>                                                          | <b>104</b> |
| <b>References .....</b>                                                          | <b>105</b> |
| <b>Arabic Summary</b>                                                            |            |