

## Table of Contents

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Acknowledgments.....                                        | III       |
| Abbreviations:.....                                         | VI        |
| CBA – Cost Benefit Analysis .....                           | VI        |
| CEA – Cost Effectiveness Analysis.....                      | VI        |
| CMA – Cost Minimization Analysis .....                      | VI        |
| Abstract: .....                                             | VII       |
| <b>1. Introduction.....</b>                                 | <b>1</b>  |
| 1.1. Health Economics .....                                 | 1         |
| 1.2. Thalassemia in Palestine .....                         | 2         |
| 1.3. Problem statement.....                                 | 6         |
| <b>2. Literature review.....</b>                            | <b>11</b> |
| 2.1. Economic Evaluation .....                              | 11        |
| 2.2. Cost Analysis: .....                                   | 21        |
| 2.3. Thalassemia.....                                       | 23        |
| 2.4. Management of thalassemia.....                         | 24        |
| 2.5. Economic Evaluation of iron chelating management ..... | 32        |
| <b>3. Methodology .....</b>                                 | <b>33</b> |
| 3.1. Sampling .....                                         | 33        |
| 3.2. Theoretical framework.....                             | 34        |
| <b>4. Results .....</b>                                     | <b>51</b> |
| 4.1. Qualitative results .....                              | 51        |
| 4.2. Quantitative results .....                             | 58        |
| <b>5. Discussion.....</b>                                   | <b>93</b> |

|                                 |            |
|---------------------------------|------------|
| 5.1. CEA.....                   | 93         |
| 5.2. CUA.....                   | 94         |
| 5.3. CBA .....                  | 98         |
| <b>6. Recommendations:.....</b> | <b>101</b> |
| <b>7. References.....</b>       | <b>104</b> |
| <b>8. Appendix:.....</b>        | <b>112</b> |
| Appendix 1:.....                | 112        |
| Appendix 2:.....                | 131        |
| Appendix 3:.....                | 139        |
| Appendix 4:.....                | 143        |