

## CONTENTS

|                                                              | PAGE |
|--------------------------------------------------------------|------|
| INTRODUCTION .....                                           | 1    |
| AIM OF THE WORK .....                                        | 3    |
| REVIEW OF LITERATURE .....                                   | 4    |
| * Lipoproteins .....                                         | 11   |
| * Apolipoproteins .....                                      | 24   |
| * Myocardial infarction .....                                | 44   |
| * Hereditary and familial aspects .....                      | 48   |
| * Changes in serum lipoproteins and<br>Apolipoproteins ..... | 55   |
| SUBJECTS AND METHODS .....                                   | 55   |
| * Cases .....                                                | 56   |
| * Samples .....                                              | 56   |
| * Methods .....                                              | 74   |
| * Statistical analysis .....                                 | 76   |
| RESULTS .....                                                | 88   |
| ANALYSIS OF RESULTS .....                                    | 97   |
| DISCUSSION .....                                             | 102  |
| SUMMARY AND CONCLUSION .....                                 | 105  |
| REFERENCES .....                                             |      |
| ARABIC SUMMARY .....                                         |      |