

CONTENTS

	Page
I Introduction	1
II Aim of the work	4
III Review of the literature	5
- Low back pain knowledge base	5
- Low back pain syndromes	58
- Information technology	153
- Artificial intelligence (AI) and Expert system (ES)	178
IV Materials and methods	185
- The patients	
- The system	
V Results	191
- The patients	
- The system	
VI Discussion	203
VII Conclusion	210
VII Summary	211
VIII Bibliography	212
IX Appendix	230
- Letters	
- Examination sheets	
- Figures	
- Tables	
X Arabic Summary	