

CONTENTS

- Introduction1
- Aim of the work.....4
- Functional anatomy of knee5
- Biomechanics of total knee arthroplasty knee 18
- Diagnosis of knee osteoarthritis and Preoperative protocol 28
- Conventional total knee arthroplasty 39
- Indication and patient selection minimally invasive total knee arthroplasty 57
- Approaches and SURGICAL technique & instrumentation of minimally invasive total knee 60
- Complication of minimally invasive total knee arthroplasty 91.
- Comparison between traditional total knee replacement and minimally invasive total knee replacement 95
- Summary& Conclusion 100
- References 103
- Arabic summary.