

Contents

1. Design Principles	1
<i>Amrit Goyal, Jose A Rodriguez</i>	
2. Bone Cuts in Total Knee Arthroplasty	17
<i>Satit Thiengwittayaporn, Aree Tanavalee</i>	
3. Total Knee Arthroplasty in Varus Deformity	25
<i>Rajesh Malhotra, Amite Pankaj</i>	
4. The Valgus Knee	43
<i>Jacob B Manuel, Amrit Goyal, Amar Ranawat</i>	
5. Total Knee Arthroplasty in Flexion Deformity	57
<i>Rajesh Malhotra, Vijay Kumar, Surya Bhan</i>	
6. Total Knee Arthroplasty for the Stiff Knee	71
<i>Rajesh Malhotra, E Krishna Kiran</i>	
7. Management of Femoral Bone Defects in Knee Arthroplasty	81
<i>Artit Laoruengthana, Thanainit Chotanaphuti</i>	
8. Management of Tibial Defects in Primary Total Knee Arthroplasty	93
<i>Rajesh Malhotra, Bhavuk Garg, Vijay Kumar</i>	
9. Cementing Techniques	105
<i>Piers J Yates</i>	
10. Cementless Total Knee Arthroplasty	113
<i>Ian Mackenzie Rogan</i>	
11. Cruciate Retaining Total Knee Replacement	121
<i>Prashant Deshmane, Lawrence D Dorr</i>	
12. Constrained Condylar Knee Arthroplasty	133
<i>Raman R Thakur, Ajit J Deshmukh, Jose A Rodriguez</i>	
13. Patellofemoral Arthroplasty	141
<i>Amit Gupta, Vikas Khanduja</i>	
14. Fixed Bearing Unicompartmental Knee Replacement	151
<i>SKS Marya, Chandeeep Singh, Ashish Jaiman</i>	
15. Mobile Bearing Unicompartmental Knee Arthroplasty	165
<i>Rajesh Malhotra, Vijay Kumar</i>	
16. Noiles Rotating Hinge Knee Replacement	181
<i>Rhidian Morgan-Jones</i>	
17. Computer-aided Total Knee Arthroplasty	189
<i>Ken Lee Puah, Seng Jin Yeo</i>	
18. Two Stage Revision for Infected Total Knee Arthroplasty	201
<i>Rajesh Malhotra, Vijay Kumar, Surya Bhan</i>	
19. Extra-articular Deformity: Femur	217
<i>Arun Mullaji, Gautam M Shetty</i>	

20. Extra-articular Deformity: Tibia	223
<i>Arun Mullaji, Gautam M Shetty</i>	
21. Total Knee Arthroplasty in Fracture	229
<i>Ajit J Deshmukh, Raman R Thakur, Jose A Rodriguez</i>	
22. Periprosthetic Fractures of the Tibia and Femur after Total Knee Arthroplasty	245
<i>Piers J Yates, Jorg Kampshoff</i>	
 <i>Index</i>	 263