

Contents

Foreword by Nicolai Maass — V

Foreword by Ingo von Leffern — VII

Foreword by Charles Koh — IX

- 1 Introduction — 1**
- 2 Historical development of laparoscopic suturing — 3**
- 3 Laparoscopic needle holder — 9**
- 4 Laparoscopic knot pusher — 11**
- 5 Other Instruments for laparoscopic knotting — 13**
- 6 The needle in laparoscopic suturing — 15**
- 7 Surgical suture materials in laparoscopy — 17**
- 8 Intracorporeal surgical knot - version 1 — 21**
- 9 Intracorporeal surgical knot - version 2 — 31**
- 10 Intracorporeal slip knot — 35**
- 11 Intracorporeal knot - medial trocar placement — 41**
- 12 Intracorporeal knot - ipsilateral trocar placement — 45**
- 13 Barbed suture — 49**
- 14 Extracorporeal single knot — 55**
- 15 Extracorporeal knot according to Roeder — 69**
- 16 Extracorporeal knot according to von Leffern — 81**
- 17 Extracorporeal Weston's knot (without a knot pusher) — 93**
- 18 The robotic-assisted surgical knot on the da Vinci system — 101**