

Contents

Part I The History and Philosophy of Medical Imaging

- 1 Re: Viewing Observation. The Philosophy of Medical Imaging 3**
Neil Horne and Paul Siemers

Part II Innovation in Imaging Technologies

- 2 Emerging Imaging Techniques in Anatomy: For Teaching, Research and Clinical Practice 19**
Shavana Govender, Jessica Yvonne Cronjé, Natalie Keough, Abraham Johannes Oberholster, Albert-Neels van Schoor, Edwin John de Jager, and Jade Naicker
- 3 Mapping of Orthopaedic Fractures for Optimal Surgical Guidance 43**
Roopam Dey
- 4 Visualising the Dural Venous Sinuses Using Volume Tracing, a Novel Approach 61**
Francesca du Toit and Graham Louw
- 5 Placental Morphology and Morphometry: Is It a Prerequisite for Future Pathological Investigations? 85**
Nalini Govender, Lelika Lazarus, Tashlen Abel, and Thajasvarie Naicker

Part III Art-based Practice and Body Science

- 6 Drawing: A Dialogue across Disciplines 109**
Jenny Wright and Neil Shah
- 7 Visualizing the Human Body Using an Artistic Approach 129**
Elisa Crossing, Lillian Smyth, Krisztina Valter, and Alexandra Webb
- 8 Construction of Facial Composites from Eyewitness Memory 149**
Colin Getty Tredoux, Charlie Frowd, Annelies Vredeveltdt, and Kyra Scott