INHALTSVERZEICHNIS

Rethy Chhem, Heiner Fangerau, Irmgard Müller, Shih-chang Wang
    Foreword: Medical Imaging: Challenges, reflections and actions ........ 7

I. MEDICAL PERSPECTIVES – USE AND REFLECTION ................. 9

Rethy K Chhem
    Medical Image: Imaging or Imagining? ......................... 11

Shih-chang (Ming) Wang
    Philosophical Aspects of Medical Imaging from a Radiologist’s
    Perspective ........................................... 19

II. IMAGING: ONTOLOGY AND TRUTH IN REPRESENTATION ........ 43

Irmgard Müller, Heiner Fangerau
    Medical Imaging: Pictures, “as if” and the Power of Evidence .... 45

James A. Overton and Cesare Romagnoli
    Radiology, Philosophy, and Ontology ........................ 61

Kirsten Brukamp
    Scientific images from functional brain imaging in contemporary
    neuroscience – complex and problematic processing procedures .... 75

Frédéric Gilbert, Lawrence Burns, Timothy M. Krahn
    The Inheritance, Power and Predicaments of the ‘Brain-Reading’
    Metaphor .................................................. 83

Heiner Fangerau, Robert Lindenber
    Neuroimagi(ni)ng in Past and Present – Representation, Epistemology
    and Circulatory References ................................. 103
III. IMAGING THE BODY – PRACTICES AND MEDIA. ................. 119

*Fabio Zampieri, Alberto Zanatta, Maurizio Rippa Bonati*
Iconography and Wax Models in Italian Early Smallpox Vaccination. . . 121

*Katsiaryna Laryionava*
Medical Imaging and Contemporary Art: Redefinition of the Human Body ................................................................. 145

*Richard Hoppe-Sailer, Rainer-M. E. Jacobi, Sarah Sandfort*
Image – Body – Knowledge: An interdisciplinary and critical appraisal of images ......................................................... 153

*Kathrin Friedrich*
‘Sehkollektiv’: Sight Styles in Diagnostic Computed Tomography . . . . 163

IV. ETHICAL CONSIDERATIONS. ............................................. 179

*Santiago Sia*
Looking Behind the Image: Philosophical and Ethical Issues in Medical Imaging ......................................................... 181