

## **PART I Background**

1. AI in Radiology—Past and Present
2. AI in Radiology—Future
3. Technical Principles

## **PART II Interpretive Applications**

4. Interpretive Applications of Artificial Intelligence in Breast Radiology
5. Artificial Intelligence in Cardiovascular Imaging
6. Interpretive Applications: Chest
7. Artificial Intelligence in Emergency Radiology
8. Artificial Intelligence in Gastrointestinal Imaging
9. Genitourinary
10. Artificial Intelligence in Head and Neck Radiology: Current Innovations, Challenges, and Future Directions
11. Interpretive Applications: Musculoskeletal
12. Neuroradiology
13. Interpretive Applications of Artificial Intelligence in Interventional Radiology
14. Artificial Intelligence in Nuclear Radiology: Unlocking the Potential for Enhanced Patient

## **PART III Noninterpretive Applications**

15. Patient Facing Noninterpretive Artificial Intelligence Applications
16. Navigating the Radiologic Technologist's Landscape: Current Innovations and Future Directions of Artificial Intelligence in Radiology
17. Business-Facing Approaches
18. Noninterpretive Application of Artificial Intelligence in Radiology: Population Health

## **PART IV Develop Your Application**

19. Data Curation
20. Artificial Intelligence Network Training and Validation in Radiology: Recent Developments and Real-World Examples
21. Regulatory Considerations for Radiology Artificial Intelligence/Machine Learning Devices

## **PART V Case Studies**

22. Response to COVID With Artificial Intelligence—Assisted Radiologic Diagnosis
23. Arterys Artificial Intelligence: Inception, Development, Growth
24. Viz.ai—Pioneering Artificial Intelligence in Healthcare