

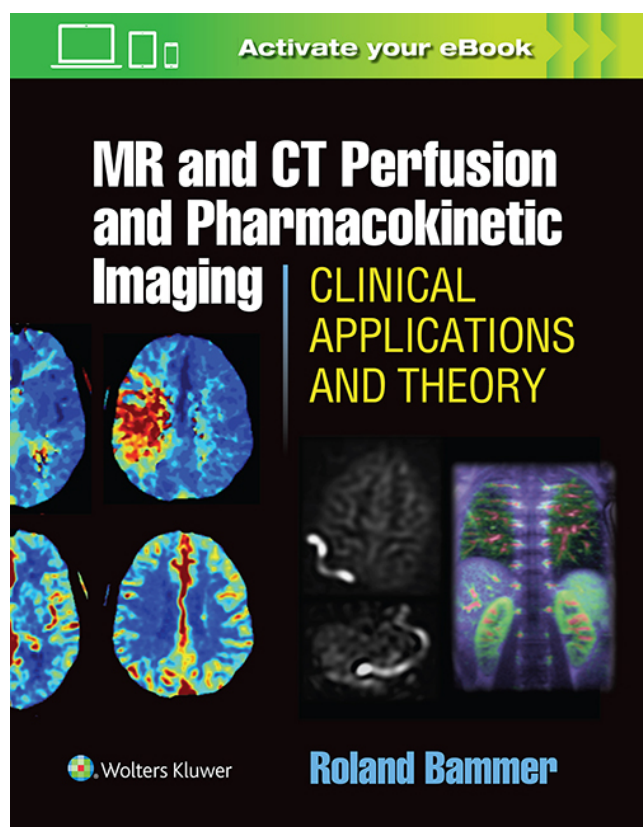
# MR & CT Perfusion Imaging: Clinical Application and Theoretical Principles, Second Edition

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Essential reading for both clinicians and researchers, this comprehensive resource covers what you need to know about the basic principles of perfusion, as well as its many clinical applications. Broad coverage outlines the overarching framework that interlinks methods such as DSC, DCE, CTP, and ASL. International experts in the field demonstrate how perfusion and pharmacokinetic imaging can be effectively used to analyze medical conditions, helping you reach accurate diagnoses and monitor disease progression and response to therapy.

## Key features in the Second Edition:

- Provides thorough coverage of CT and MR perfusion, including clinical applications, in a single, convenient volume.
- Covers every area relevant to perfusion, including image acquisition and reconstruction methods, contrast agent based methods for measuring organ perfusion and pharmacokinetic modeling.
- Contains “pearls” and clinical summaries throughout, helping you quickly grasp the most important points of each topic.
- Places complex technical and mathematical material in separate boxes which can be referred to as needed.
- Offers a basis for understanding potential future applications in the management of oncologic, cerebral, renal, pulmonary, and cardiac pathologies.



### Bibliographic Information

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