

Summary

Fundamentals of Diagnostic Imaging

The book pays attention to the description of the physical background of the radiological and nuclear medicine imaging methods. The basic principles of all imaging modalities are explained such as radiography, computed tomography, magnetic resonance, ultrasound, scintigraphy, single photon emission tomography and positron emission tomography including also the basic of radiochemistry and pharmacology of radiopharmaceuticals and contrast materials.

In proper chapters, the imaging approaches in diagnostics of diseases of musculoskeletal system, lung parenchyma, hepatopancreatobiliary system, urogenital system and vascular system are reviewed and the optimal selection of the imaging method is listed. In the end of the book, the treatment using imaging method is mentioned like endovascular interventional radiology procedures, nonvascular interventions including ablative tumor treatment under imaging guidance or treatment using radiopharmaceuticals.

Doporučená literatura

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Periodika

- Česká radiologie
European Journal of Nuclear Medicine and Molecular Imaging
European Journal of Radiology
European Radiology
Radiology