

BOOK REVIEW

Essential radiology

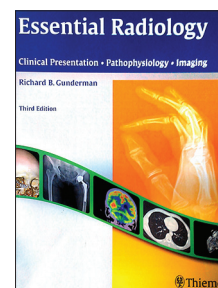
Author: Richard B. Gunderman

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This book reveals the importance of knowing anatomy, physiology, and pathology in our day-to-day clinical practice to interpret the available radiological modalities, may it be conventional radiology, CT, MRI, or ultrasonography.

Today, all the non-radiologist clinicians have to include a radiology department in their post-emergency grand round for seeking answers to their cases, especially those with clinical dilemmas.

The book is categorized into various systems with the first important chapter giving an introduction to radiology. Later, it covers all the systems and has a special chapter on neuroimaging.

The first chapter deals with the physics of almost all modalities, including a brief history of each. The same chapter deals with the contrast agents used in radiology and imaging. The most interesting of all is the “thought process” that helps in our thinking and approach toward any case.

In total, six systems are dealt with and three more other topics, i.e. pediatric imaging, acute abdomen. And last but not the least, normal cross-sectional anatomy is written separately.

The anatomy and physiology of each system is dealt with in the beginning, and the available imaging modalities are discussed with illustrious examples. This is followed by radiological pathologies with appropriate radiological images and brief radiological description.

The images (radiographs, conventional procedures, DSA, CT, MRI, etc.) and the appropriate pathology specimens and line/sketch diagrams are of high quality.

The chapter on acute abdomen deals with non-trauma-related emergency with sub-headings, covering the epidemiology, pathophysiology, and clinical and imaging features.

The chapter on neuroimaging and MSK is dealt with little differently, categorizing it into congenital, tumor, infection, trauma, vascular, and a special feature on the common lifestyle problem of low backache.

I would recommend this book for radiology residents and for use during on call (emergency).

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