This fully revised second edition provides a comprehensive core exam review of frequently encountered imaging gamuts in all major radiological subspecialties. Author William O'Brien utilizes the widely acclaimed format of his first edition, with 330 new and updated radiology cases organized into 12 core subspecialty sections. The last section, "Roentgen Classics," includes cases from each of the previous core sections, with imaging findings characteristic of a single diagnosis. This book reflects content included in the current radiology board examinations with accurate and concise descriptions of key differentials, which are integral to acing the boards. Each case is formatted as a two-page unit. The left page features clinical images, succinctly captioned radiographic findings, and pertinent clinical history. The right page includes the key imaging gamut, differential diagnoses rank-ordered by the Top 3, additional diagnostic considerations, and clinical pearls. Key features: More than 700 high quality images, including advanced imaging techniques; rank ordered differentials organized into the Top 3 and additional diagnostic considerations. A high-yield review of important imaging and clinical manifestations for all entities on the list of differentials; imaging pearls at the end of each case provide a quick review of key points. This outstanding resource provides radiologists and trainees with a solid foundation of core radiology topics and a wide spectrum of key imaging findings encountered in clinical practice. It is a must-have for radiology residents preparing for board examinations. Veteran radiologists looking for a comprehensive review of critical topics in radiology will also find this book invaluable.