Error and Uncertainty in Diagnostic Radiology

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- The first book to directly address the topic of radiologists’ errors
- Provides an overview of the issue of accountability for error, including the “Just Culture” concept
- Gives a historical perspective into the issue of diagnostic error in radiology
- Explains how artificial intelligence and computer learning methods can lead to practical improvements in radiologist performance in the future

Error and Uncertainty in Diagnostic Radiology opens the ‘black box,’ of medical imaging, exposing the remarkable inner workings of the process of diagnostic radiology—including how and why it can sometimes go tragically wrong. The occurrence of radiological error is shown to be fundamentally intertwined with the underlying high level of uncertainty known to be present in the diagnostic process. As a foremost expert on radiology quality and safety, Dr. Bruno provides insight into the various types of radiologist error, along with a conceptual framework for understanding error and uncertainty in radiology, leading to practical strategies for error prevention and for reducing the risk of harm to patients when errors inevitably occur.

This book is essential for radiologists, members of the Society to Improve Diagnosis in Medicine, emergency physicians, medical educators, medical and hospice administrators, especially quality and safety officers, as well as malpractice insurance carriers.

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