Covers the fundamental principles of cardiovascular imaging modalities and their applications for the diagnosis of cardiovascular diseases. The main focus is on the comprehensive diagnosis of clinical conditions/disease entities through the most effective cardiovascular imaging test or combination. The authors discuss the clinical utility and relative value of each test to address specific clinical questions, based on evidence and expert opinion. Each chapter presents information in the following format: overview, discussion of pathophysiology, differential diagnosis/diagnostic evaluation; prognosis; therapeutic guidance with illustration of treatment pathway.