Table of Contents

1	Physical principles of cardiovascular imaging	1
2	Quantitation of ventricular function	77
3	Quantitation of myocardial perfusion	
4	Imaging of myocardial antigens, receptors, hypoxia, necrosis, apoptosis, metabolism, and viability	146
5	Evidence-based medicine : a guide to cardiac imaging	161
6	Diagnostic decision making	171
7	Cost effectiveness of imaging techniques in the medical marketplace	183
8	Coronary heart disease - acute coronary syndromes	191
9	Chronic coronary heart disease	228
10	Heart failure	257
11	Valvular heart disease	280
12	Pulmonary embolism, pulmonary hypertension, and cor pulmonale	339
13	The role of cardiac imaging and hemodynamic assessment in pericardial disease	354
14	Imaging of the adult with congenital heart disease	366
15	Cardiac imaging of masses, tumors, and thrombi	414
16	Peripheral arterial, aortic, renal artery, and carotid artery diseases	438