



Advances in Imaging Techniques in Ischemic Heart Disease (Paperback)

By -

Springer, Netherlands, 2012. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.In recent years there have been tremendous advances in cardiac imaging techniques covering the complete spectrum from echocardiography, nuclear cardiology, magnetic resonance imaging to contrast angiography. With respect to these noninvasive and invasive cardiac imaging modalities, marked technological developments have allowed the cardiologist to visualize the myocardium in a far more refined manner than conventional imaging was capable of. Echocardiography has extended its domain with intravascular ultrasound, cardiovascular nuclear imaging has added positron emission tomography to its line of research, magnetic resonance imaging has been broadened with magnetic resonance angiography and spectroscopy, and finally contrast angiography has widened its scope with excellent quantitation programs. For all these imaging modalities it is true that the application of dedicated quantitative analytic software packages enables the evaluation of the imaging studies in a more accurate, reliable, and reproducible manner. It goes without saying that these extensions and achievements have resulted in improved diagnostics and subsequently in improved patient care. Particularly in patients with ischemic heart disease, major progress has been made to detect coronary artery disease in an early phase of the disease process, to follow...



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