



Cardiovascular imaging : arterial and aortic valve inflammation and calcification

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Contents: Part I. Preclinical Imaging of Mechanisms of Atherosclerosis and Its Complications – 1. Pathobiology and Mechanisms of Atherosclerosis – 2. Ultrasound Molecular Imaging of Endothelial Cell Activation and Damage in Atherosclerosis – 3. Molecular Imaging of Macrophages in Atherosclerosis – 4. Intravascular Molecular Imaging of Proteolytic Activity – 5. Optical Molecular Imaging of Inflammation and Calcification in Atherosclerosis – 6. Molecular Imaging of Oxidation-Specific Epitopes to Detect High-Risk Atherosclerotic Plaques – 7. Live Cell Multiphoton Microscopy of Atherosclerotic Plaques in Mouse Aortas – 8. Imaging of Complications in Atherosclerosis: Thrombosis and Platelet Aggregation – Part II. Imaging Insights into Mechanisms of Calcific Aortic Valve Disease (CAVD) and Calcification – 9. Pathobiology and Optical Molecular Imaging of Calcific Aortic Valve Disease – 10. PET/CT Imaging of Inflammation and Calcification in CAVD: Clinical Studies – 11. Ultrasound Imaging of Calcific Aortic Valve Disease – 12. Innovations in Microscopic Imaging of Atherosclerosis and Valvular Disease – Part III. Clinical Imaging of Cardiovascular Inflammation and Calcification – 13. Molecular MR Imaging of Atherosclerosis – 14. Cardiac PET Imaging in Coronary Artery Disease – 15. PET/CT Imaging of Inflammation and Calcification – 16. Clinical Feasibility and Monitoring of the Effects of Anti-inflammatory Therapy in Atherosclerosis.

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