

Albert de Roos, MD, PhD

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Albert de Roos is Professor of Radiology at the Leiden University Medical Center (LUMC) in Leiden, the Netherlands. He has a longstanding interest in cardiovascular and thoracic imaging using, in particular, computed tomography and magnetic resonance imaging. His research and clinical work is mainly related to the evaluation of grown-up congenital heart disease, adult cardiology, and multi-organ imaging in systemic disease, like diabetes, stroke and obesity. A particular focus of the Leiden group is developing and implementing innovative acquisition techniques and imaging concepts for cardiovascular applications. For example, techniques have been implemented and clinically evaluated at LUMC for measuring cardiac function and pulmonary flow by using magnetic resonance imaging in patients after surgical correction of Tetralogy of Fallot and other congenital heart diseases. Multi-organ imaging in systemic disease, like obesity (e.g. Leiden NEO study in population cohort of over 6000 subjects), diabetes and metabolic syndrome has been a main topic over the last years. A national, multicentre project on heart-brain imaging has been started from Leiden. The multi-disciplinary collaboration of the Leiden group has been productive since 1985 and has resulted in many publications, theses, book chapters and books (promotor of thesis: 50 theses completed, 5 (in preparation); h-index= 80).

Dr. de Roos is co-editor of the book "CT and MRI of the cardiovascular system" 3th edition, 2013, deputy editor of the journal RADIOLOGY for cardiac papers, has served as president of the Society of Cardiovascular Magnetic Resonance 2013.