February 01, 2019	Maternal obesity and gestational diabetes: Impact on arterial wall layer thickness and stiffness in early childhood - RADIEL study six-year follow-up	Background and aims: Gestational diabetes (GDM) and maternal obesity are linked to weight gain in childhood and an increased risk of cardiovascular di
December 23, 2018	The 'ALSPAC in London' dataset: adiposity, cardiometabolic risk profiles, and the emerging arterial phenotype in young adulthood	Rising rates of adiposity in the young pose one of the greatest threats to future population burden of cardiovascular disease.
May 23, 2018	High birth weight was associated with increased radial artery intima thickness but not with other investigated cardiovascular risk factors in adulthood	Aim This study investigated whether a high birth weight was associated with increased risk factors for cardiovascular disease when Swedish adults reac
February 05, 2018	The Effect of Different L-Carnitine Administration Routes on the Development of Atherosclerosis in ApoE Knockout Mice	Scope: l-Carnitine (LC) is abundant in red meat and is widely added to health in the body is obtained from dietary supplements and food.
January 01, 2018	Photoacoustic Oxygenation Quantification in Patients with Raynaud's: First-in-Human Results	The purpose of this study was to investigate the use of photoacoustic imaging for quantifying fingertip oxygenation as an approach to diagnosing and m

January 01, 2018	Clinical translation of a novel photoacoustic imaging system for examining the temporal artery	The objective was to provide a clinical setup for photoacoustic imaging (PAI) of the temporal artery in humans and to describe the challenges encounte
April 09, 2017	Clinical and biological markers of premature aging after autologous SCT in childhood cancer	The aim of this study was to analyze the prevalence of frailty and physical health limitations among long-term survivors of high-risk neuroblastoma (H
September 06, 2016	Neonatal Arterial Morphology Is Related to Body Size in Abnormal Human Fetal GrowthCLINICAL PERSPECTIVE	BACKGROUND Restriction in fetal growth is associated with cardiovascular disease in adulthood.
February 02, 2016	The Rotterdam Radial Access Research	Background—Radial artery wall might be damaged after cannulation for cardiac catheterization.
November 01, 2015	Radiotherapy-related arterial intima thickening and plaque formation in childhood cancer survivors detected with very-high resolution ultrasound during young adulthood	PURPOSE: To test intensive alkylator-based therapy in desmoplastic small round-cell tumor (DSRCT).
January 01, 2014	Radial artery intima-media thickness predicts major cardiovascular events in patients with suspected coronary artery disease	AIMS: In the present study, we investigated the prognostic value of radial artery intima-media thickness (rIMT) in patients with suspected coronary ar

June 01, 2013	High-frequency micro-ultrasound for vascular access in young children--a feasibility study by the High-frequency UltraSound in Kids studY (HUSKY) group.	BACKGROUND: Cannulation of small arteries and veins in young children can be challenging.
February 22, 2013	Increased Rate of Arterial Stiffening with Obesity in Adolescents: A Five-Year Follow-Up Study	BACKGROUND: We prospectively and longitudinally determined the effects of childhood obesity on arterial stiffening and vascular wall changes.
January 14, 2013	Assessment of vascular remodeling after the Fontan procedure using a novel very high resolution ultrasound method: arterial wall thinning and venous thickening in late follow-up	The Fontan circulation is associated with an increased central venous pressure, decreased ventricular preload, and increased afterload.
January 01, 2013	The potential influence of diabetic history on peripheral blood flow in superficial skin	Vascular complication occurrence increases with the duration of diabetes.

March 01, 2012	High-resolution radial artery intima-media thickness and cardiovascular risk factors in patients with suspected coronary artery disease – Comparison with common carotid artery intima-media thickness	Objective: The radial artery wall structure can be measured with non-invasive very high-resolution ultrasound with great feasibility and high accuracy
January 01, 2011	Assessment of early radial injury after transradial coronary intervention by high-resolution ultrasound biomicroscopy: Innovative technology application	BACKGROUND: Transradial coronary intervention (TRI) introduces injury to the radial artery (RA) which will affect repeat transradial coronary procedur
December 01, 2011	Feasibility of very-high resolution ultrasound to assess elastic and muscular arterial wall morphology in adolescents attending an outpatient clinic for obesity and lipid abnormalities	Objective: Atherosclerosis beginsduringearlylifeandisacceleratedinindividualswithcardiovascular risk factors.Wehypothesizedthatvery-highresolutionultr

November 01, 2011	Arteriovenous Fistulas for Hemodialysis: Application of High-Frequency US to Assess Vein Wall Morphology for Cannulation Readiness	To determine whether venous wall thickness and hoop (circumferential) stress, as determined with high-frequency ultrasonography (US), can predict cann
January 01, 2010	Epidermal Thickness and Biomechanical Properties of Plantar Tissues in Diabetic Foot	Diabetic foot is a common complication for people with diabetes but it is unclear whether the change is initiated from the skin surface or underneath
October 01, 2010	Transcutaneous very-high-resolution ultrasound to quantify arterial wall layers of muscular and elastic arteries: Validation of a method	Background: High-resolution ultrasound (HRU) is used to measure carotid intima-media thickness (IMT).
July 01, 2010	High-resolution ultrasound showing increased intima and media thickness of the radial artery in patients with end-stage renal disease	Objective: Although clinically relevant atherosclerosis of the upper limb arteries is rarely seen, intimal hyperplasia of the arteries may reflect glo

January 11, 2010	Thicker carotid intima layer, thinner media layer and higher intima/media ratio in women with recurrent depressive disorders: A pilot study using non-invasive high frequency ultrasound	Objectives: Growing evidence indicates that depression is an important risk factor for coronary heart disease.
January 01, 2009	Increased intima thickness of the radial artery in individuals with prehypertension and hypertension	Background: We have used a novel ultra high-frequency (55 MHz) ultrasound technique to non-invasively measure the radial arterial vessel wall and sepa
January 01, 2009	High-Frequency Ultrasound for Evaluation of Intimal Thickness	Background: The measurement of carotid intima–medial thickness is a well-validated measure of cardiovascular risk.
May 01, 2008	Limb Stress-Rest Perfusion Imaging With Contrast Ultrasound for the Assessment of Peripheral Arterial Disease Severity	OBJECTIVES: We hypothesized that stress-rest perfusion imaging of skeletal muscle in the lower extremity with contrast-enhanced ultrasound (CEU) could
January 01, 2008	Obese children show increased intimal wall thickness and decreased pulse wave velocity	OBJECTIVE: Childhood obesity confers an increased risk of vascular changes and adult cardiovascular disease.
January 01, 2007	Increasing peripheral artery intima thickness from childhood to seniority	BACKGROUND: Using new, very high-resolution ultrasound biomicroscopy, we examined the thickness of artificial layers of silicone and intima thickness