

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Ultra-High Frequency Ultrasound, A Promising Diagnostic Technique: Review of the Literature and Single-Center Experience</a>	Canadian Association of Radiologists Journal		2020	Rossana, Izzetti, Saverio, Vitali, Giacomo, Aringhieri, Marco, Nisi, Teresa, Oranges, Valentina, Dini, Francesco, Ferro, Chiara, Baldini, Marco, Romanelli, Davide, Caramella, Mario, Gabriele	Yes
<a href="#">Vascular structure and stiffness in pediatric Mulibrey nanism using ultra-high frequency ultrasound</a>	Veins and Lymphatics		2023	Taisto, Sarkola, Marita, Lipsanen-Nyman, Hannu, Jalanko, Eero, Jokinen	No
<a href="#">Tube-in-Tube Phalloplasty with Tailor-made Bilateral Superficial Circumflex Iliac Artery Perforator Flaps Using Preoperative High-resolution Ultrasound</a>	Plastic and Reconstructive Surgery - Global Open		2023	Hidehiko, Yoshimatsu, Ryo, Karakawa, Yuma, Fuse, Tomoyuki, Yano	No
<a href="#">Deep Fat Saving Elevation of the Superficial Circumflex Iliac Artery Perforator Flap</a>	Medicina (Lithuania)		2022	Yuma, Fuse, Hidehiko, Yoshimatsu, Ryo, Karakawa, Tomoyuki, Yano	No
<a href="#">Ultrasound centre frequency shifts as a novel approach for diagnosing giant cell arteritis</a>	Scandinavian Journal of Rheumatology	<a href="https://doi.org/10.1080/03009742.2022.2056979">https://doi.org/10.1080/03009742.2022.2056979</a>	2022	M., Naumovska, R., Sheikh, J., Albinsson, B., Hammar, U., Dahlstrand, M., Malmjö, T., Erlöv	No
<a href="#">Arterial health during early childhood following abnormal fetal growth</a>	BMC Pediatrics	<a href="https://doi.org/10.1186/s12887-021-02951-2">https://doi.org/10.1186/s12887-021-02951-2</a>	2022	Rasmus F.W., Olander, Johnny K.M., Sundholm, Sanna, Suonsyrjä, Taisto, Sarkola	No
<a href="#">Validation and Feasibility of an Automated System for the Assessment of Vascular Structure and Mechanical Properties in the Digital Arteries: An Ultrahigh-Frequency Ultrasound Study</a>	Ultrasound in Medicine and Biology		2022	Federica, Poli, Catherine, Fortier, Hakim, Khettab, Francesco, Fata, Saverio, Vitali, Giacomo, Aringhieri, Lorenzo, Ghiadoni, Stefano, Taddei, Laurence, Amar, Aurelien, Lorthioir, Pierre, Boutouyrie, Rosa Maria, Bruno	No
<a href="#">Assessing mechanical vibration-altered wall shear stress in digital arteries</a>	Journal of Biomechanics		2022	Christophe, Noël, Nicla, Settembre	No
<a href="#">Ideal cardiovascular health and vascular phenotype associations in mothers with obesity and their six-year-old children</a>	Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy		2021	Linda, Litwin, Johnny K.M., Sundholm, Jelena, Meinilä, Janne, Kulmala, Tuija H., Tammelin, Kristiina, Rönö, Salla B., Koivusalo, Johan G., Eriksson, Taisto, Sarkola	No
<a href="#">Photoacoustic imaging of the spatial distribution of oxygen saturation in an ischemia-reperfusion model in humans</a>	Biomedical Optics Express		2021	Aboma, Merdasa, Josefine, Bunke, Magdalena, Naumovska, John, Albinsson, Tobias, Erlöv, Magnus, Cinthio, Nina, Reistad, Rafi, Sheikh, Malin, Malmjö	No

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<a href="#">In vivo photoacoustic assessment of the oxygen saturation changes in the human radial artery: a preliminary study associated with age</a>	Journal of Biomedical Optics		2021	Taeheon, Bok, Eno, Hysi, Michael C., Kolios	No
<a href="#">Photoacoustic imaging for non-invasive examination of the healthy temporal artery – systematic evaluation of visual function in healthy subjects</a>	Acta Ophthalmologica	<a href="https://onlinelibrary.wiley.com/doi/10.1111/aos.14566">https://onlinelibrary.wiley.com/doi/10.1111/aos.14566</a>	2021	Rafi, Sheikh, Björn, Hammar, Magdalena, Naumovska, Ulf, Dahlstrand, Bodil, Gesslein, Tobias, Erlöv, Magnus, Cinthio, Malin, Malmström	No
<a href="#">Clinical effectiveness and radial artery remodeling assessment via very-high-frequency ultrasound/ultra biomicroscopy after applying slender 7Fr sheath for transradial approach in left main bifurcation disease</a>	Current Medical Research and Opinion	<a href="https://doi.org/10.1080/03007995.2020.1815684">https://doi.org/10.1080/03007995.2020.1815684</a>	2020	Yingkai, Xu, Yingkai, Li, Hua, Shen, Beibei, Zhang, Qi, Zhao, Yujing, Cheng, Ziwei, Zhao, Qianyun, Guo, Jiaqi, Yang, Yujie, Zhou	No
<a href="#">Motivational Interview to improve vascular health in Adolescents with poorly controlled type 1 Diabetes (MIAD): a randomized controlled trial</a>	BMJ open diabetes research & care		2020	Mari Anne, Pulkkinen, Anna Kaisa, Tuomaala, Matti, Hero, Daniel, Gordin, Taisto, Sarkola	No
<a href="#">Early Arterial Intimal Thickening and Plaque Is Related with Treatment Regime and Cardiovascular Disease Risk Factors in Young Adults Following Childhood Hematopoietic Stem Cell Transplantation</a>	Journal of Clinical Medicine		2020	Johnny, Sundholm, Anu, Suominen, Taisto, Sarkola, Kirsi, Jahnukainen	No
<a href="#">Long-term renal prognosis and risk for hypertension after myeloablative therapies in survivors of childhood high-risk neuroblastoma: A nationwide study</a>	Pediatric Blood & Cancer	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/pbc.28209">https://onlinelibrary.wiley.com/doi/abs/10.1002/pbc.28209</a>	2020	Anu, Suominen, Timo, Jahnukainen, Tiina H., Ojala, Taisto, Sarkola, Maila, Turanlahti, Ulla M., Saarinen-Pihkala, Kirsi, Jahnukainen	No
<a href="#">Diagnostic performance and utility of very high-resolution ultrasonography in diagnosing giant cell arteritis of the temporal artery</a>	Rheumatology Advances in Practice	<a href="https://academic.oup.com/rheumap/article/doi/10.1093/rap/rkz018/5528503">https://academic.oup.com/rheumap/article/doi/10.1093/rap/rkz018/5528503</a>	2019	Johnny K M, Sundholm, Tom, Pettersson, Anders, Paetau, Anders, Alback, Taisto, Sarkola	No
<a href="#">Maternal obesity and gestational diabetes: Impact on arterial wall layer thickness and stiffness in early childhood - RADIEL study six-year follow-up</a>	Atherosclerosis	<a href="https://doi.org/10.1016/j.atherosclerosis.2019.01.037">https://doi.org/10.1016/j.atherosclerosis.2019.01.037</a>	2019	Johnny K.M., Sundholm, Linda, Litwin, Kristiina, Rönö, Salla B., Koivusalo, Johan G., Eriksson, Taisto, Sarkola	No
<a href="#">Feasibility and precision of transcutaneous very-high resolution ultrasound for quantification of arterial structures in human neonates – Comparison with conventional high resolution vascular ultrasound imaging</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2015.02.016">http://dx.doi.org/10.1016/j.atherosclerosis.2015.02.016</a>	2015	Johnny K.M., Sundholm, Rasmus F.W., Olander, Tiina H., Ojala, Sture, Andersson, Taisto, Sarkola	No

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<a href="#">Semi-automatic border detection software for the quantification of arterial lumen, intima-media and adventitia layer thickness with very-high resolution ultrasound</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2014.03.006">http://dx.doi.org/10.1016/j.atherosclerosis.2014.03.006</a>	2014	Johnny, Sundholm, Tomas, Gustavsson, Taisto, Sarkola	No
<a href="#">Transcutaneous very-high resolution ultrasound for the quantification of carotid arterial intima-media thickness in children - Feasibility and comparison with conventional high resolution vascular ultrasound imaging</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2012.06.054">http://dx.doi.org/10.1016/j.atherosclerosis.2012.06.054</a>	2012	Taisto, Sarkola, Cameron, Slorach, Wei, Hui, Timothy J., Bradley, Andrew N., Redington, Edgar, Jaeggi	No
<a href="#">Non-Invasive Vascular Very-High Resolution Ultrasound to Quantify Artery Intima Layer Thickness: Validation of the Four-Line Pattern</a>	Ultrasound in Medicine & Biology	<a href="https://linkinghub.elsevier.com/retrieve/pii/S0301562919301747">https://linkinghub.elsevier.com/retrieve/pii/S0301562919301747</a>	2019	Johnny K.M., Sundholm, Anders, Paetau, Anders, Alback, Tom, Pettersson, Taisto, Sarkola	No
<a href="#">Diagnostic performance and utility of very high-resolution ultrasonography in diagnosing giant cell arteritis of the temporal artery</a>	Rheumatology Advances in Practice	<a href="https://academic.oup.com/rheumap/article/doi/10.1093/rap/rkz018/5528503">https://academic.oup.com/rheumap/article/doi/10.1093/rap/rkz018/5528503</a>	2019	Johnny K M, Sundholm, Tom, Pettersson, Anders, Paetau, Anders, Alback, Taisto, Sarkola	No
<a href="#">Advanced ultrasound techniques for pediatric imaging</a>	Pediatrics		2019	Misun, Hwang, Maclej, Piskunowicz, Kassa, Darge	No
<a href="#">Radial artery remodeling following transradial percutaneous coronary intervention in men and women: insights from serial ultrahigh frequency ultrasonography</a>	Cardiovascular Revascularization Medicine	<a href="https://doi.org/10.1016/j.carrev.2019.05.006">https://doi.org/10.1016/j.carrev.2019.05.006</a>	2019	Wayne, Batchelor, Vishal, Dahya, Behnam, Tehrani, Abdulla, Damluji, Matthew, Sherwood, Scott, Barnett, Kelly, Epps, Alexander, Truesdell, Nadim, Geloo, John, Katopodis, William, Dixon, Shahram, Yazdani, Thomas, Noel	No
<a href="#">Maternal obesity and gestational diabetes: Impact on arterial wall layer thickness and stiffness in early childhood - RADIEL study six-year follow-up</a>	Atherosclerosis	<a href="https://linkinghub.elsevier.com/retrieve/pii/S0021915019300644">https://linkinghub.elsevier.com/retrieve/pii/S0021915019300644</a>	2019	Johnny K.M., Sundholm, Linda, Litwin, Kristiina, Rönö, Salla B., Koivusalo, Johan G., Eriksson, Taisto, Sarkola	No
<a href="#">The 'ALSPAC in London' dataset: adiposity, cardiometabolic risk profiles, and the emerging arterial phenotype in young adulthood</a>	Wellcome Open Research	<a href="https://wellcomeopenresearch.org/articles/3-162/v1">https://wellcomeopenresearch.org/articles/3-162/v1</a>	2018	Scott T., Chiesa, Alicja, Rapala, Marietta, Charakida, Kaitlin H., Wade, Nicholas J., Timpson, John E., Deanfield	No
<a href="#">Clinical translation of a novel photoacoustic imaging system for examining the temporal artery</a>	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control	<a href="https://ieeexplore.ieee.org/document/8466655/">https://ieeexplore.ieee.org/document/8466655/</a>	2018	Rafi, Sheikh, Magnus, Cinthio, Ulf, Dahlstrand, Tobias, Erlov, Magdalena, Naumovska, Bjorn, Hammar, Sophia, Zackrisson, Tomas, Jansson, Nina, Reistad, Malin, Malmjö	No

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<a href="#">Photoacoustic Oxygenation Quantification in Patients with Raynaud's: First-in-Human Results</a>	Ultrasound in Medicine and Biology	<a href="https://doi.org/10.1016/j.ultrasmedbio.2018.04.017">https://doi.org/10.1016/j.ultrasmedbio.2018.04.017</a>	2018	John R., Eisenbrey, Maria, Stanczak, Flemming, Forsberg, Fabian A., Mendoza-Ballesteros, Andrej, Lyshchik	No
<a href="#">Intimal and medial arterial changes defined by ultra-high-frequency ultrasound: Response to changing risk factors in children with chronic kidney disease</a>	PLOS ONE	<a href="http://dx.plos.org/10.1371/journal.pone.0198547">http://dx.plos.org/10.1371/journal.pone.0198547</a>	2018	Frida, Dangardt, Marietta, Charakida, Scott, Chiesa, Devina, Bhowruth, Alicja, Rapala, Daniela, Thurn, Franz, Schaefer, John, Deanfield, Rukshana, Shroff	No
<a href="#">High birth weight was associated with increased radial artery intima thickness but not with other investigated cardiovascular risk factors in adulthood</a>	Acta Paediatrica	<a href="http://doi.wiley.com/10.1111/apa.14414">http://doi.wiley.com/10.1111/apa.14414</a>	2018	I W, Johnsson, T, Naessén, F, Ahlsson, J, Gustafsson	No
<a href="#">Ultrahigh-resolution ultrasound characterization of access site trauma and intimal hyperplasia following use of a 7F sheathless guide versus 6F sheath/guide combination for transradial artery PCI: Results of the PRAGMATIC trial</a>	American Heart Journal	<a href="https://doi.org/10.1016/j.ahj.2017.11.017">https://doi.org/10.1016/j.ahj.2017.11.017</a>	2018	Wayne, Batchelor, Vishal, Dahya, Dan, McGee, John, Katopodis, William, Dixon, James, Campbell, Ashley, Meredith, Patty, Knap, Mathew, Parkin, Thomas, Noel	No
<a href="#">Clinical and biological markers of premature aging after autologous SCT in childhood cancer</a>	Bone Marrow Transplantation	<a href="http://www.nature.com/doi/10.1038/bmt.2016.334">http://www.nature.com/doi/10.1038/bmt.2016.334</a>	2017	A, Vatanen, M, Hou, T, Huang, O, Söder, T, Jahnukainen, M, Kurimo, T H, Ojala, T, Sarkola, M, Turanlahti, U M, Saarinen-Pihkala, K, Jahnukainen	No
<a href="#">Neonatal Arterial Morphology Is Related to Body Size in Abnormal Human Fetal GrowthCLINICAL PERSPECTIVE</a>	Circulation: Cardiovascular Imaging	<a href="http://www.ncbi.nlm.nih.gov/pubmed/27601367">http://www.ncbi.nlm.nih.gov/pubmed/27601367</a>	2016	Rasmus F.W., Olander, Johnny K.M., Sundholm, Tiina H, Ojala, Sture, Andersson, Taisto, Sarkola	No
<a href="#">Epidermal Thickness and Biomechanical Properties of Plantar Tissues in Diabetic Foot</a>	Ultrasound in Medicine and Biology		2011	Clare Y L, Chao, Yong Ping, Zheng, Gladys L Y, Cheing	No
<a href="#">Assessment of early radial injury after transradial coronary intervention by high-resolution ultrasound biomicroscopy: Innovative technology application</a>	Chinese Medical Journal		2012	Hua, Shen, Yu jie, Zhou, Yu yang, Liu, Jie, Du, Xiao li, Liu, Zhen xian, Yan, Zhi jian, Wang, Fei, Gao, Shi wei, Yang, De an, Jia, Hong ya, Han, Miao, Yu, Qian, Ma, Xiao han, Xu	No
<a href="#">The potential influence of diabetic history on peripheral blood flow in superficial skin</a>	Microvascular Research		2013	Gladys Lai Ying, Cheing, Jiahui, Sun, Rachel Lai Chu, Kwan, Yongping, Zheng	No
<a href="#">Radiotherapy-related arterial intima thickening and plaque formation in childhood cancer survivors detected with very-high resolution ultrasound during young adulthood</a>	Pediatric Blood & Cancer	<a href="http://doi.wiley.com/10.1002/pbc.25616">http://doi.wiley.com/10.1002/pbc.25616</a>	2015	Anu, Vatanen, Taisto, Sarkola, Tiina H., Ojala, Maila, Turanlahti, Timo, Jahnukainen, Ulla M., Saarinen-Pihkala, Kirsi, Jahnukainen	No

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<a href="#">Radial artery intima-media thickness predicts major cardiovascular events in patients with suspected coronary artery disease</a>	European Heart Journal Cardiovascular Imaging		2014	Charlotte, Eklund, Elmir, Omerovic, Inger, Haraldsson, Peter, Friberg, Li Ming, Gan	No
<a href="#">Increased Rate of Arterial Stiffening with Obesity in Adolescents: A Five-Year Follow-Up Study</a>	PLoS ONE	<a href="http://dx.plos.org/10.1371/journal.pone.0057454">http://dx.plos.org/10.1371/journal.pone.0057454</a>	2013	Frida, Dangardt, Yun, Chen, Krister, Berggren, Walter, Osika, Peter, Friberg	No
<a href="#">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</a>	The World Journal of Biological Psychiatry	<a href="http://informahealthcare.com/doi/abs/10.3109/15622970902789122">http://informahealthcare.com/doi/abs/10.3109/15622970902789122</a>	2010	Hannes, Bohman, Ulf, Jonsson, Anne-Liis Von, Knorrning, Lars Von, Knorrning, Gunilla, Olsson, Aivar, Päären, Marita, Larsson, Tord, Naessen	No
<a href="#">Obese children show increased intimal wall thickness and decreased pulse wave velocity</a>	Clinical Physiology and Functional Imaging		2008	Frida, Dangardt, Walter, Osika, Reinhard, Volkmann, Li Ming, Gan, Peter, Friberg	No
<a href="#">The Rotterdam Radial Access Research</a>	Circulation: Cardiovascular Interventions	<a href="http://circinterventions.ahajournals.org/lookup/doi/10.1161/CIRCINTERVENTIONS.1...">http://circinterventions.ahajournals.org/lookup/doi/10.1161/CIRCINTERVENTIONS.1...</a>	2016	Francesco, Costa, Maarten a.H., van Leeuwen, Joost, Daemen, Roberto, Diletti, Floris, Kauer, Robert-Jan, van Geuns, Jurgen, Ligthart, Karen, Witberg, Felix, Zijlstra, Marco, Valgimigli, Nicolas M., Van Mieghem	No
<a href="#">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</a>	Heart and Vessels	<a href="http://link.springer.com/10.1007/s00380-011-0217-2">http://link.springer.com/10.1007/s00380-011-0217-2</a>	2013	Taisto, Sarkola, Edgar, Jaeggi, Cameron, Slorach, Wei, Hui, Timothy, Bradley, Andrew N., Redington	No
<a href="#">Increased intima thickness of the radial artery in individuals with prehypertension and hypertension</a>	Atherosclerosis		2010	Anna, Myredal, Li Ming, Gan, Walter, Osika, Peter, Friberg, Mats, Johansson	No
<a href="#">Increasing peripheral artery intima thickness from childhood to seniority</a>	Arteriosclerosis, Thrombosis, and Vascular Biology		2007	Walter, Osika, Frida, Dangardt, Julia, Grönros, Ulf, Lundstam, Anna, Myredal, Mats, Johansson, Reinhard, Volkmann, Tomas, Gustavsson, Li Ming, Gan, Peter, Friberg	No
<a href="#">Assessment of vascular phenotype using a novel very-high-resolution ultrasound technique in adolescents after aortic coarctation repair and/or stent implantation: relationship to central haemodynamics and left ventricular mass</a>	Heart	<a href="http://heart.bmj.com/cgi/doi/10.1136/hrt.2011.226241">http://heart.bmj.com/cgi/doi/10.1136/hrt.2011.226241</a>	2011	Taisto, Sarkola, Andrew N, Redington, Cameron, Slorach, Wei, Hui, Timothy, Bradley, Edgar, Jaeggi	No

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<a href="#">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</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2011.08.036">http://dx.doi.org/10.1016/j.atherosclerosis.2011.08.036</a>	2011	Taisto, Sarkola, Arvin A, Abadilla, Nita, Chahal, Edgar, Jaeggi, Brian W., McCrindle	No
<a href="#">Transcutaneous very-high-resolution ultrasound to quantify arterial wall layers of muscular and elastic arteries: Validation of a method</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2010.06.043">http://dx.doi.org/10.1016/j.atherosclerosis.2010.06.043</a>	2010	Taisto, Sarkola, Andrew, Redington, Fred, Keeley, Timothy, Bradley, Edgar, Jaeggi	No
<a href="#">High-Frequency Ultrasound for Evaluation of Intimal Thickness</a>	Journal of the American Society of Echocardiography	<a href="http://dx.doi.org/10.1016/j.echo.2009.06.021">http://dx.doi.org/10.1016/j.echo.2009.06.021</a>	2009	Emile R Mohler, Iii, Alexandra A, Sibley, Susan M, Schultz, Lifeng, Zhang, Chandra M, Sehgal	No
<a href="#">High-resolution ultrasound showing increased intima and media thickness of the radial artery in patients with end-stage renal disease</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2010.01.031">http://dx.doi.org/10.1016/j.atherosclerosis.2010.01.031</a>	2010	Mats, Johansson, Anna, Myredal, Peter, Friberg, Li Ming, Gan	No
<a href="#">Arteriovenous Fistulas for Hemodialysis: Application of High-Frequency US to Assess Vein Wall Morphology for Cannulation Readiness</a>	Radiology	<a href="http://pubs.rsna.org/doi/abs/10.1148/radiol.11102439">http://pubs.rsna.org/doi/abs/10.1148/radiol.11102439</a>	2011	Arash, Jaber, Derek, Muradali, Rosa M, Marticorena, Niki, Dacouris, Adrien, Boutin, Anna M, Mulligan, Peter D, Ballyk, Vikramaditya, Prabhudesai, Vern M, Campbell, Sandra M, Donnelly	No
<a href="#">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</a>	Atherosclerosis	<a href="http://dx.doi.org/10.1016/j.atherosclerosis.2011.12.035">http://dx.doi.org/10.1016/j.atherosclerosis.2011.12.035</a>	2012	Charlotte, Eklund, Peter, Friberg, Li-ming, Gan	No
<a href="#">High-frequency micro-ultrasound for vascular access in young children--a feasibility study by the High-frequency UltraSound in Kids studY (HUSKY) group.</a>	Paediatric anaesthesia	<a href="http://www.ncbi.nlm.nih.gov/pubmed/23445349">http://www.ncbi.nlm.nih.gov/pubmed/23445349</a>	2013	Gregory J, Latham, Melissa L, Veneracion, Denise C, Joffe, Adrian T, Bosenberg, Sean H, Flack, Daniel K, Low	No