

**An Analysis of Arterial Pulse Wave Time Features and Pulse Wave Velocity Calculations Based on Radial Electrical Bioimpedance Waveforms in Patients Scheduled for Coronary Catheterization**

Lotamõis, Kristina; Uuetoa, Tiina; **Krivošei, Andrei; Annus, Paul; Metshein, Margus; Rist, Marek; Margus, Sulev; Min, Mart; Tamberg, Gert** Journal of Cardiovascular Development and Disease 2025 / art. 237 <https://doi.org/10.3390/jcdd12070237>

**Assessing hemodynamics from the photoplethysmogram to gain insights into vascular age : a review from VascAgeNet**

Charlton, Peter H.; Paliakaite, Birute; **Pilt, Kristjan**; Bachler, Martin; Zanelli, Serena; Kulin, Daniel; Allen, John; Hallab, Magid; Bianchini, Elisabetta; Mayer, Christopher C. American journal of physiology-heart and circulatory physiology 2022 / p. H493-H522 <https://doi.org/10.1152/ajpheart.00392.2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Association between optical signal derived aortic augmentation index and cardiovascular risk factors in healthy volunteers**

**Pikta, Marika; Viigimaa, Margus; Pilt, Kristjan; Kõõts, Kristina; Meigas, Kalju** Reports on global health research 2020 / art. 119, 8 p. : ill <https://doi.org/10.29011/rghr-119.100019> <https://www.gavinpublishers.com/article/view/association-between-optical-signal-derived-aortic-augmentation-index-and-cardiovascular-risk-factors-in-healthy-volunteers>

**Construction of gender-specific regression models for aortic length estimation based on computed tomography images**

**Zemtsovskaja, Galina; Pilt, Kristjan; Samarin, Andrei; Albina, Jelena; Meigas, Kalju; Viigimaa, Margus** Health and technology 2020 / p. 679–687 : ill <https://doi.org/10.1007/s12553-019-00391-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Determinants and a predictive equation for the aortic length estimation**

**Zemtsovskaja, Galina; Šamarin, Andrei; Abina, Jelena; Meigas, Kalju; Viigimaa, Margus** International journal of innovative research in science, engineering and technology 2016 / p. 3336-3350 : ill [https://www.ijirset.com/upload/2016/march/115\\_Determinants\\_hard\\_foriegn.pdf](https://www.ijirset.com/upload/2016/march/115_Determinants_hard_foriegn.pdf)

**Modeling the dynamics of lung tissue with pulsating blood-flow in pulmonary arteries for bioimpedance simulation**

**Gordon, Rauno; Annus, Paul** International Workshop on Impedance Spectroscopy : WIS 2013 : abstract book : September 25-27, 2013, Chemnitz University of Technology, Germany 2013 / p. 94-65 : ill

**Possibility to use Finapres signal for the estimation of aortic pulse wave velocity [Electronic resource]**

**Pilt, Kristjan; Meigas, Kalju; Viigimaa, Margus; Temitski, Kristina** IFMBE proceedings ; Vol. 37 2011 / p. 524-527 : ill [CD-ROM] [https://link.springer.com/chapter/10.1007/978-3-642-23508-5\\_136](https://link.springer.com/chapter/10.1007/978-3-642-23508-5_136)

**System for bioimpedance signal simulation from pulsating blood flow in tissues**

**Gordon, Rauno; Pesti, Ksenija** International workshop on impedance spectroscopy 2012 / p. 22-23 : ill

**System for bioimpedance signal simulation from pulsating blood flow in tissues**

**Gordon, Rauno; Pesti, Ksenija** Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 51-58 : ill

**The aortic pulse wave velocity estimation for arterial stiffness assessment**

**Pilt, Kristjan; Kõõts, Kristina; Meigas, Kalju; Šamarin, Andrei; Zemtsovskaja, Galina; Viigimaa, Margus** 6th European Conference of the International Federation for Medical and Biological Engineering, MBEC 2014, 7–11 September 2014, Dubrovnik, Croatia 2015 / p. 294-297 [https://doi.org/10.1007/978-3-319-11128-5\\_73](https://doi.org/10.1007/978-3-319-11128-5_73) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)