

**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; Kööts, 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**

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

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

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

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