

Accurate detection of paroxysmal atrial fibrillation with certified-GAN and neural architecture search

Asadi, Mehdi; Poursalim, Fatemeh; Loni, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Gharehbaghi, Arash Scientific Reports 2023 / art. 11378, 16 p. : ill <https://doi.org/10.1038/s41598-023-38541-8>

Analysis of ventricular repolarization signals in obstructive sleep apnea = Ventrikulaarse repolarisatsiooni signaalide analüüs obstruktiivse uneapnoe korral

Viigimäe, Moonika 2018 <https://digi.lib.ttu.ee/i/?9342> https://www.ester.ee/record=b4761002*est

Biosignal interpretation : study of cardiac arrhythmias and electromagnetic field effects on human nervous system

Lass, Jaanus 2002 http://www.ester.ee/record=b1715357*est

Cardiac dynamics involving arrhythmias and continuum mechanics

Engelbrecht, Jüri; Vendelin, Marko; **Kongas, Olav**; Herten, R. von Trends in continuum physics TRECOP 98 1999 / p. 113-118 <https://research.aalto.fi/en/publications/cardiac-dynamics-involving-arrhythmias-and-continuum-mechanics>

Correlation between the invasive and non-invasive parameters of cardiac ventricular repolarization prolongation and inhomogeneity

Kaik, Jüri; **Hinrikus, Hiie**; **Meigas, Kalju**; **Lass, Jaanus** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [3] p

Driven nonlinear oscillators for modeling cardiac phenomena

Engelbrecht, Jüri; Herten, R. von; **Kongas, Olav** IUTAM Symposium Chaos'97 : Applications of Nonlinear and Chaotic Dynamics in Mechanics, Ithaca, New York, USA, July 27-Aug 1 1997 : abstracts 1997 / p. 24-25 <https://research.aalto.fi/en/publications/driven-nonlinear-oscillators-for-modeling-cardiac-phenomena>

Driven oscillators in modelling of heart dynamics

Engelbrecht, Jüri; **Kongas, Olav** Applicable analysis 1995 / p. 119-144

ECG classification with event-driven sampling

Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry IEEE Access 2024 / p. 25188-25199 <https://doi.org/10.1109/ACCESS.2024.3364115>

Evaluation of level-crossing ADCs for event-driven ECG classification

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev** IEEE Transactions on Biomedical Circuits and Systems 2021 / p. 1129-1139 <https://doi.org/10.1109/TBCAS.2021.3136206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Event-driven ECG classification using an open-source, LC-ADC based non-uniformly sampled dataset

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; John, Deepu 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISCAS51556.2021.9401333> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Kardioloog rütmihäirete ravist: palju sõltub inimesest endast ja millal häired tekivad [Võrguväljaanne]

ohtuleht.ee 2021 / portr <https://tervis.ohtuleht.ee/1002711/kardioloog-rutmihairete-ravist-palju-soltub-inimesest-endast-ja-millal-haired-tekivad>

3 x südamest : kodade virvendus, ablatsioon, stimulaator. 1. osa

Viigimaa, Margus Kodutohter 2020 / lk. 32-36 : ill http://www.ester.ee/record=b1072381*est

Miks perpetuum mobile tõrgub : [südame rütmihäireid selgitab Jüri Kaik]

Kaik, Jüri; Laanepere, Eha Kodutohter 2006 / 7, lk. 22-25 https://artiklid.elnet.ee/record=b2039250*est

Nonlinear dynamics in modeling cardiac arrhythmias

Kongas, Olav 1998 http://www.ester.ee/record=b1060516*est

Nonlinear oscillations in modelling of heart dynamics

Kongas, Olav 1993 http://www.ester.ee/record=b2090083*est

Rängad üleelamised võivad viia ka infarktini

Maasikamäe, Sirje Õhtuleht 2022 / Lk. 14 <https://dea.digar.ee/article/ohtuleht/2022/03/15/13.5>

Slope-based event-driven feature extraction for cardiac arrhythmia classification

Duforest, Julien; Larras, Benoit; John, Deepu; **Märtens, Olev**; Frappe, Antoine 2021 IEEE Biomedical Circuits and Systems Conference 2021 / 4 | <https://doi.org/10.1109/BioCAS49922.2021.9644957>

Streikiv süda rütmi : [küsimustele vastab] Margus Viigimaa

Viigimaa, Margus; **Ende, Üllar** Kodutohter 2010 / 11, lk. 12-14, 16 : ill https://artiklid.elnet.ee/record=b2179302*est

Südamele ohtlik virvendusarütmia areneb hiilivalt

Inselberg, Kadri; **Viigimaa, Margus** Postimees 2012 / lk. 18-19

Tervisepooltund episood 9 : Südame rütmihäired [Võrguväljaanne]

Viigimaa, Margus Tervisepooltund 2019 / podcast <https://soundcloud.com/regionaalhaigla/tervisepooltund-episood-9-sudame-rutmihaired>

2023 ESC Guidelines for the management of cardiovascular disease in patients with diabetes : developed by the task force on the management of cardiovascular disease in patients with diabetes of the European Society of Cardiology (ESC)

Marx, Nikolaus; Federici, Massimo; Schütt, Katharina; **Viigimaa, Margus** European Heart Journal 2023 / p. 4043-4140

<https://doi.org/10.1093/eurheartj/ehad192>