

Accurate dialysis dose evaluation and extrapolation algorithms during online optical dialysis monitoring

Fridolin, Ivo; Karai, Deniss; Kostin, Sergei; Ubar, Raimund-Johannes IEEE transactions on biomedical engineering 2013 / p. 1371-1377 : ill <https://doi.org/10.1109/TBME.2012.2234458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Activity classification for real-time wearable systems : effect of window length, sampling frequency and number of features on classifier performance

Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES) : Kuala Lumpur, 4-8 December 2016 2016 / p. 460-464 : ill <https://doi.org/10.1109/IECBES.2016.7843493>

Adaptive secure data transmission method for OSI level 1

Lallo, Pauli; Meigas, Kalju 2005 <https://digi.lib.ttu.ee/i/?15> https://www.ester.ee/record=b1733221*est

The analysis of finger photoplethysmographic waveform in healthy volunteers and diabetes patients [Electronic resource]

Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus IFMBE proceedings ; Vol. 38 2013 / p. 55-58 : ill [CD-ROM] https://doi.org/10.1007/978-3-642-34197-7_14 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Areng kasvatab ootusi : [arvamusi TTÜ raamatukogu kohta]

Kübarsepp, Jakob; Kallavus, Urve; Kalev, Kaia Mente et Manu 2014 / lk. 10 https://www.ester.ee/record=b1242496*est

Arterial pulse waveform dependence on applied pressure

Pilt, Kristjan; Meigas, Kalju; Viigimaa, Margus; Kaik, Jüri; Kattai, Rain; Karai, Deniss BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 277-280 : ill

Biomeditsiinitehnika tehnomeedikumis, ehk, "Kas haigus hüüab tülles?"

Fridolin, Ivo Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 248-252

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

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

Blood pressure and LDL-cholesterol targets for prevention of recurrent strokes and cognitive decline in the hypertensive patient: Design of the European Society of Hypertension-Chinese Hypertension League Stroke in Hypertension Optimal Treatment randomized trial

Zanchetti, Alberto; Liu, Lisheng; Mancina, Giuseppe; Parati, Gianfranco; Grassi, Guido; Stramba-Badiale, Marco; Silani, Vincenzo; Bilo, Grzegorz; Corrao, Giovanni; Viigimaa, Margus Journal of hypertension 2014 / p. 1888-1897 <https://doi.org/10.1097/HJH.0000000000000254> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Blood pressure and low-density lipoprotein-cholesterol lowering for prevention of strokes and cognitive decline: A review of available trial evidence

Zanchetti, Alberto; Liu, Lisheng; Mancina, Giuseppe; Parati, Gianfranco; Grassi, Guido; Stramba-Badiale, Marco; Silani, Vincenzo; Bilo, Grzegorz; Corrao, Giovanni; Viigimaa, Margus Journal of hypertension 2014 / p. 1741-1750 <https://doi.org/10.1097/HJH.0000000000000253> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Brain functional connectivity in depression : gender differences in EEG

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Hinrikus, Hiie; Järveld, Mari 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES) : Kuala Lumpur, 4-8 December 2016 2016 / p. 270-273 : ill <https://doi.org/10.1109/IECBES.2016.7843456>

Brain-to-brain loop concept in application to porphyrias : 10-year experience at North Estonia Medical Centre

Zemtsovskaja, Galina; Pikta, Marika; Borissova, Julia; Pille, Viive; Luman, Merike; Viigimaa, Margus Eesti Arst 2016 / p. 61 <http://ojs.utlib.ee/index.php/EA/article/viewFile/12917/8000> http://www.ester.ee/record=b4600434*est

Can removal of middle molecular uremic retention solutes be estimated by UV-absorbance measurements in spent dialysate?

Lauri, Kai; Luman, Merike; Holmar, Jana; Tomson, Ruth; Kalle, Sigrid; Arund, Jürgen; Uhlin, Nils Fredrik Arne; Fridolin, Ivo World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada 2015 / p. 1297 - 1300 https://doi.org/10.1007/978-3-319-19387-8_315 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Coherent photodetection with a laser

Meigas, Kalju 1997 https://www.ester.ee/record=b1059446*est

Consenso sobre tratamiento farmacológico de la dislipidemia aterogénica con terapia combinada estatina-fenofibrato

Aguiar, Carlos; Alegria, Eduardo; Bonnadonna, Ricardo C.; Viigimaa, Margus Clinica e Investigacion en Arteriosclerosis 2016 / p.

Continuation of the ESH-CHL-SHOT trial after publication of the SPRINT : rationale for further study on blood pressure targets of antihypertensive treatment after stroke

Zanchetti, Alberto; Liu, Lisheng; Mancina, Giuseppe; **Viigimaa, Margus** Journal of hypertension 2016 / p. 393-396

<https://doi.org/10.1097/HJH.0000000000000853> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Could urea in spent dialysate be a marker for monitoring removal of 4-pyridoxic acid?

Kalle, Sigrid; Tanner, Risto; Arund, Jürgen; Tomson, Ruth; Luman, Merike; Fridolin, Ivo XIII Baltic Nephrology Conference : October 13-15, 2016, Jūrmala, Latvia : final programme 2016 / p. 6 <http://nefrologs.lv/wp-content/uploads/2016/10/XIII-BNC.pdf>

Darapladib for preventing ischemic events in stable coronary heart disease

White, Harvey D.; Held, Claes; Stewart, Ralph; Tarka, Elizabeth; Brown, Rebekkah; Davies, Richard Y.; Budaj, Andrzej; Harrington, Robert A.; Steg, P. Gabriel; **Viigimaa, Margus** New England journal of medicine 2014 / p. 1702-1711

<https://doi.org/10.1056/NEJMoA1315878> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of the effect of weak stressors on human resting electroencephalographic signal = Nõrkade stressorite mõju avastamine inimese puhkeoleku elektroentsefalograafilises signaalis

Suhhova, Anna 2012

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

Detrended fluctuation analysis of EEG in depression

Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Adamsoo, Kaire; Vöhma, Ülle; **Hinrikus, Hiie-Agnes** XIII Mediterranean Conference on Medical and Biological Engineering and Computing 2013, MEDICON 2013, 25-28 September 2013, Seville, Spain 2014 / p. 694-697 https://doi.org/10.1007/978-3-319-00846-2_172 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Development of an optical monitoring technology for urea rebound assessment

Tomson, Ruth; Fridolin, Ivo; Luman, Merike The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Development of an optical monitoring technology for urea rebound assessment

Tomson, Ruth; Fridolin, Ivo; Luman, Merike International journal of bioelectromagnetism 2015 / p. 52-56 : ill

Development of the model for the optical multiwavelength monitoring of creatinine in the spent dialysate

Tomson, Ruth; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Jerotskaja, Jana; Lauri, Kai; **Luman, Merike** BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 261-264 : ill

Dialysis dose and nutrition assessment by an optical method = Dialüüsravi doosi ja patsientide toitumuse hindamine optilise meetodiga

Luman, Merike 2010 https://www.ester.ee/record=b2599301*est

Digitaalne signaali- ja pilditöötlus : loengukonspekt

Lipping, Tarmo 2007 http://www.ester.ee/record=b2234022*est

Digitaalne signaalitöötlus : valitud FIR-filtrite disainimine

Ferenets, Rain 2011 http://www.ester.ee/record=b2737258*est

EEG patterns and regularity properties during propofol induced anesthesia/sedation

Ferenets, Rain 2007 http://www.ester.ee/record=b2301505*est

EEG spectral asymmetry index for detection of depression at individual and fixed frequency bands [Electronic resource]

Suhhova, Anna; Bachmann, Maie; Lass, Jaanus; Adamsoo, Kaire; Vöhma, Ülle; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2012 / p. 589-592 : ill [CD-ROM]

https://link.springer.com/chapter/10.1007/978-3-642-29305-4_154 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Eestlase tervise tulevik: kas paks, poolpime ja -kurt, kõvera kaelaga ning depressioonis?

Viiron, Kristiina; Viigimaa, Margus Eesti Päevaleht 2015 / lk. 18-19

Effect of coffee on EEG spectral asymmetry

Saifudinova, Maie; Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie World Congress on Medical Physics and Biomedical

Engineering, June 7–12, 2015, Toronto, Canada 2015 / p. 1030-1033 https://doi.org/10.1007/978-3-319-19387-8_251 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The effect of Kt/V on post dialysis urea rebound in hemodialysis and hemodiafiltration

Tomson, Ruth; Fridolin, Ivo; Luman, Merike; Holmar, Jana Nephrology dialysis transplantation 2016 / p. i490
<https://doi.org/10.1093/ndt/gfw194.3>

Effect of modulated microwave radiation on human resting electroencephalographic signal = Moduleeritud mikrolaineikiirguse mõju inimese puhkeoleku elektroentsefalograafilisele signaalile

Bachmann, Maie 2008 http://www.ester.ee/record=b2373842*est

Electromagnetic fields and waves for biomedical engineers : course material

Fridolin, Ivo 2008 https://www.ester.ee/record=b2364625*est

Erectile dysfunction in hypertension and cardiovascular disease : a guide for clinicians

2015 https://www.ester.ee/record=b4447797*est

Estimation of dialysis patients' survival through combined approach of small molecule uremic markers

Holmar, Jana; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Fernström, Anders; Luman, Merike Proceedings of the Estonian Academy of Sciences 2014 / p. 227-233 : ill https://artiklid.elnet.ee/record=b2680559*est

Estimation of removed uremic toxin indoxyl sulphate during hemodialysis by using optical data of the spent dialysate

Holmar, Jana; Uhlin, Nils Fredrik Arne; Ferenets, Rain; Lauri, Kai; Tanner, Risto; Arund, Jürgen; Luman, Merike; Fridolin, Ivo The 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) proceedings 2013 / p. 6707-6710 : ill <https://doi.org/10.1109/EMBC.2013.6611095> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Estimation of the complexity of the electroencephalogram for brain monitoring in intensive care = Electroentsefalogrammi kompleksuse hindamine äju monitooringul intensiivravis

Anier, Andres 2014 http://www.ester.ee/record=b3050804*est

Estimation of the influence of K/V on post dialysis urea rebound in HD and HDF with traditional and optical methods

Tomson, Ruth; Fridolin, Ivo; Luman, Merike XIII Baltic Nephrology Conference : October 13-15, 2016, Jurmala, Latvia : final programme 2016 / p. 2 <http://nefrologs.lv/wp-content/uploads/2016/10/XIII-BNC.pdf>

Evaluation of automatic speech recognition prototype for Estonian language in radiology domain : a pilot study

Paats, Andrus; Alumäe, Tanel; Meister, Einar; Fridolin, Ivo 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 96-99 https://doi.org/10.1007/978-3-319-12967-9_26 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluation of the ACR MRI phantom for quality assurance tests of 1.5 T MRI scanners in Estonian hospitals

Kaljuste, Doris; Nigul, Mait Proceedings of the Estonian Academy of Sciences 2014 / p. 240-246 : ill
https://artiklid.elnet.ee/record=b2680567*est

Fluorescence of Beta-2-microglobulin in the spent dialysate

Kalle, Sigrid; Kressa, H.; Tanner, Risto; Holmar, Jana; Fridolin, Ivo 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 59-62 : ill
https://doi.org/10.1007/978-3-319-12967-9_16 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Foreword : [special issue on biomedical engineering]

Fridolin, Ivo Proceedings of the Estonian Academy of Sciences 2014 / p. 199

Free fraction of protein-bound uremic solutes in case of different dialysis modalities

Arund, Jürgen; Tanner, Risto; Luman, Merike; Fridolin, Ivo XIII Baltic Nephrology Conference : October 13-15, 2016, Jurmala, Latvia : final programme 2016 / p. 17 <http://nefrologs.lv/wp-content/uploads/2016/10/XIII-BNC.pdf>

Health risks to computer-workers in various indoor facilities [Electronic resource]

Tint, Piia; Toomeoja, K.; Tuulik, Viiu; Karai, Deniss; Meigas, Kalju Riga Technical University 54th International Scientific Conference Scientific Conference on Economics and Entrepreneurship (SCEE'2013) : proceedings 2013 / [2] p [CD-ROM]

Hetked ja aastad

Hinrikus, Hiie 2014 https://www.ester.ee/record=b4431974*est

Impact of smoking: All-cause and cardiovascular mortality in a cohort of 55-year-old Swedes and Estonians

Jensen Urstad, Mats; Lenhoff, Hanna; Johansson, Jan; Viigimaa, Margus; Sammul, Sirje Scandinavian journal of public health 2014 / p. 780-785 : ill <https://doi.org/10.1177/1403494814550177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In the backwater of convective dialysis: Decreased 25-hydroxyvitamin D levels following the switch to online hemodiafiltration

Uhlin, Nils Fredrik Arne; Magnusson, Per; Larsson, Tobias E.; Fernström, Anders Clinical nephrology 2015 / p. 315-321 : ill <https://doi.org/10.5414/CN108468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of porphyrias : 10-year experience at the North Estonia Medical Centre

Zemtsovskaja, Galina; Pikta, Marika; Borissova, Julia; **Pille, Viive;** Luman, Merike; **Viigimaa, Margus** Eesti Arst 2016 / p. 61 <http://ojs.utlib.ee/index.php/EA/article/viewFile/12917/8000> http://www.eester.ee/record=b4600434*est

Is fluorescence valid to monitor removal of protein bound uremic solutes in dialysis?

Arund, Jürgen; Luman, Merike; **Uhlin, Nils Fredrik Arne;** Tanner, Risto; **Fridolin, Ivo** PLoS ONE 2016 / art. e0156541, p. 1-12 : ill <https://doi.org/10.1371/journal.pone.0156541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Joint biomedical engineering and medical physics master's curriculum project in Estonia

Meigas, Kalju; Kepler, Kalle; **Holmar, Jana** World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2013 / p. 1691 - 1693 https://doi.org/10.1007/978-3-642-29305-4_444 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Kardioloog Margus Viigimaa: Eesti arstiabi kõrge tase tuleb ödede ja arstide palkade arvelt

Oja, Triin; **Viigimaa, Margus** Pealinn 2016 / lk. 8-9 https://artiklid.elnet.ee/record=b2767051*est

Kolesterool : üks kolmest peamisest südame-veresoonkonna haiguste riskitegurist

Eero, Kersti Õhtuleht 2015 / lk. 8-9 <https://www.oh tuleht.ee/tervis/661866/kolesterool-uks-kolmest-peamisest-sudame-veresoonkonna-haiguste-riskitegurist>

Kui head ja vajalikud on ikkagi statiinid?

Heinsalu, Kadi; **Viigimaa, Margus** Äripäev 2016 / Terviseuudised, lk. 4-5 <https://dea.digar.ee/article/terviseuudised/2016/05/04/6.2>

Kui kõrge vererõhk on ohutu?

Viigimaa, Margus Kodutohter 2014 / lk. 30-34 ; 5, lk. 22-25 : ill https://artiklid.elnet.ee/record=b2665873*est

Kuidas oma südame eest hoolt kanda? Kolesterool: millal on põghjust muretseda?

Paavle, Silja; **Viigimaa, Margus** Õhtuleht 2016 / Tervis, lk. 2-3 <https://www.oh tuleht.ee/tervis/738240/kolesterool-millal-on-poghjust-muretseda>

Kuidas vähendada kodus elektromagnetvälja mõju?

Kenk, Kaire; **Koppel, Tarmo;** **Hinrikus, Hiie** Naised 2016 / lk. 28-29 : ill

Lean body mass assessment based on UV absorbance in spent dialysate and dual-energy x-ray absorptiometry

Tomson, Ruth; **Fridolin, Ivo;** Luman, Merike International journal of artificial organs 2015 / p. 311-315 : ill <https://doi.org/10.5301/ijao.5000415> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lean body mass assessment based on UV-absorbance in spent dialysate

Tomson, Ruth; **Fridolin, Ivo;** Luman, Merike BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 185-188 : ill

Lempel Ziv complexity of EEG in depression

Bachmann, Maie; **Kalev, Kaia;** **Suhhova, Anna;** **Lass, Jaanus;** **Hinrikus, Hiie** 6th European Conference of the International Federation for Medical and Biological Engineering, MBEC 2014, 7-11 September 2014, Dubrovnik, Croatia 2015 / p. 58-61 : ill https://doi.org/10.1007/978-3-319-11128-5_15 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Lifestyle modification in erectile dysfunction and hypertension

Viigimaa, Margus Erectile dysfunction in hypertension and cardiovascular disease : a guide for clinicians 2015 / p. 167-174

Lipoproteiiniga seostunud fosfolipaas A2 kui uus sõltumatu kardiovaskulaarne riskitegur ja ravi sihtmärk

Viigimaa, Margus Eesti Arst 2013 / lk. 92-97 : ill https://artiklid.elnet.ee/record=b2604075*est

Lugeja küsib, asjatundja vastab: kogu tõe vererõhust

Rudi, Hanneli; **Viigimaa, Margus** Postimees 2014 / lk. 20-21 <https://tervis.postimees.ee/3028127/lugeja-kusib-asjatundja-vastab-kogu-tode-vererohust>

Majandus on tervenemas, teadus veel mitte

Tanner, Risto Sirp 2014 / lk. 25 <https://www.sirp.ee/s1-artiklid/c9-sotsiaalia/majandus-on-tervenemas-teadus-veel-mitte/>

Major chromophores and fluorophores in the spent dialysate as cornerstones for optical monitoring of kidney replacement therapy = Peamised kromofoorid ja fluorofoorid heitdialüsaadis neeruasendusravi optilise monitooringu nurgakividena

Arund, Jürgen 2016 http://www.ester.ee/record=b4574893*est

Margus Viigimaa : Eesti arst teeb väikese rahaga väga head tööd

Kerge, Rainer; **Viigimaa, Margus** Õhtuleht 2016 / lk. 18-19 <https://www.oh tuleht.ee/elu/758257/margus-viigimaa-eesti-arst-teeb-vaikese-rahaga-vaga-head-tood>

Margus Viigimaa: hirm surma ees on mõnegi inimese ellu tagasi aidanud

Oll, Sulev; **Viigimaa, Margus** Maaleht 2016 / lk. 38-39 <https://www.oh tuleht.ee/tervis/732252/sudamearst-margus-viigimaa-hirm-surma-ees-on-monegi-inimese-ellu-tagasi-aidanud>

Me ise infarktitõrjujad. Mis annab infarktist märku?

Ende, Üllar; **Viigimaa, Margus** Kodutohter 2015 / lk. 30-33 : fot https://artiklid.elnet.ee/record=b2719395*est

A meta-analysis of gene expression signatures of blood pressure and hypertension

Huan, Tianxiao; Esko, Tõnu; Peters, Marjolein J.; Pilling, Luke C.; Schramm, Katharina; Schurmann, Claudia; Chen, Brian H.; Liu, Chunyu; Joeanes, Roby; Johnson, Andrew D.; **Viigimaa, Margus** PLoS Genetics 2015 / art. e1005035
<https://doi.org/10.1371/journal.pgen.1005035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mida on uut Ameerika äsja ilmunud südame-veresoonkonnahaiguste preventsiiooni juhendites?

Viigimaa, Margus Eesti Arst 2014 / lk. 103 https://artiklid.elnet.ee/record=b2661967*est

Mikrolaine- ja optiline tehnika : loengumaterjalid biomeditsiinitehnika ja meditsiinifüüsika magistriõppe üliõpilastele

2012 http://www.ester.ee/record=b2860846*est

Need karmid i-tähed haigused : [vastavad Margus Viigimaa ja Andrus Kreis]

Viigimaa, Margus; Kreis, Andrus Tervis Pluss 2013 / lk. 30-32

The neural network classification algorithms with applications to averaged EEG data

Raja, Aimur; Tuulik, Viu; Lossmann, Eerik; Meister, Ants The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 347-348

Noise characterization and exposure on a research ship

Kalle, Sigrid; Tint, Piia XX World Congress on Safety and Health at Work 2014 : Global Forum for Prevention : 24-27 August 2014, Frankfurt, Germany 2014 / [1] p

Närvisüsteemi funktsionaalsete häirete varajane diagnostika tööstustöölistel toksiliste ainetega professionaalse kontakti puhul = The functional disorders of central nervous system of chemistry workers : [dissertatsiooni teesid]

Tuulik, Viu 1994 https://www.ester.ee/record=b1065761*est

Office and industrial workers complaint detection and prevention of professional upper limb overuse

Pille, Viive; Tuulik-Leisi, Varje-Riin; Tint, Piia; Tuulik, Viu; Hazak, Aaro Scientific journal of Riga Technical University. Safety of technogenic environment 2014 / p. 23-27 : tab

On-line monitoring of dialysis adequacy using diaseens optical sensor: accurate Kt/V estimation by smoothing algorithms

Talisainen, Aleksei; Kostin, Sergei; Karai, Deniss; Fridolin, Ivo; Ubar, Raimund-Johannes BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 273-276 : ill

Optical measurement of 4-pyridoxic acid in the spent dialysate : algorithm development

Kalle, Sigrid; Tanner, Risto; Arund, Jürgen; Tomson, Ruth; Fridolin, Ivo BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 115-118 : ill http://www.ester.ee/record=b2150914*est

Optical measurement of creatinine in spent dialysate

Tomson, Ruth; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Holmar, Jana; Lauri, Kai; Luman, Merike Clinical nephrology 2013 / p. 107-117 : ill <https://doi.org/10.5414/CN107338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical method for cardiovascular risk marker uric acid removal assessment during dialysis

Holmar, Jana; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Lauri, Kai; Luman, Merike The scientific world journal 2012 / p. 1-8 : ill <https://pubmed.ncbi.nlm.nih.gov/22701094/>

Optical method for uric acid removal assessment during dialysis = Optiline meetod kusihaape eemaldamise määramiseks

dialüüsiravi käigus

Holmar, Jana 2013 https://www.ester.ee/record=b3004743*est

Optical pulse wave signal analysis for determination of early arterial ageing in diabetic patients = Optilise pulsilaine signaali analüüs arterite varase vananemise määramiseks diabeedihaigetel

Pilt, Kristjan 2014 https://www.ester.ee/record=b3049979*est

Optical urea rebound estimation during dialysis

Tomson, Ruth; Uhlin, Nils Fredrik Arne; Fridolin, Ivo 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 109-112 : ill https://doi.org/10.1007/978-3-319-12967-9_30 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Paracetamol interferes uric acid levels in uraemic patients revealed by monitoring spent dialysate

Tanner, Risto; Arund, Jürgen; Fridolin, Ivo; Luman, Merike ISRN nephrology 2013 / p. 1-4 : ill

Photoplethysmographic signal rising front analysis for the discrimination of subjects with increased arterial ageing

Pilt, Kristjan; Meigas, Kalju; Kööts, Kristina; Viigimaa, Margus Proceedings of the Estonian Academy of Sciences 2014 / p. 221-226 : ill

Photoplethysmographic signal waveform index for detection of increased arterial stiffness

Pilt, Kristjan; Ferenets, Rain; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus Physiological measurement 2014 / p. 2027-2036 : ill <https://doi.org/10.1088/0967-3334/35/10/2027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Physical overload disease detection and prevention of industrial and office workers [Electronic resource]

Pille, Viive; Tuulik-Leisi, Varje-Riin; Tint, Piia; Tuulik, Viuu; Hazak, Aaro SCEE 2014 : Scientific Conference on Economics and Entrepreneurship : 55th International Riga Technical University conference : Latvia, Riga, 14-17 October 2014 / 2 p. [CD-ROM]

Prevalence and determinants of hypertension in Estonian adults

Kaldmäe, Margit; Annuk, Margus; Viigimaa, Margus; Zemtsovskaja, Galina; Kaart, Tanel; Abina, Jelena Scandinavian journal of public health 2014 / p. 504-510 : ill <https://doi.org/10.1177/1403494814532565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Prevalence of dyslipidemia in statin-treated patients in the Baltic states (Estonia, Latvia, and Lithuania): Results of the Dyslipidemia International Study (DYSIS)

Viigimaa, Margus; Erglis, Andrejs; Latkovskis, Gustavs; Mäeots, Ene; Petrulioniene, Žaneta; Šlapikas, Rimvydas; Gocentiene, Anete; Bramlage, Peter; Brudi, Philippe Medicina (Lithuania) 2014 / p. 44-53 : ill <https://doi.org/10.1016/j.medici.2014.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Prevention of computer worker health disturbances caused by physical and physiological risk

Pille, Viive; Oha, Kristel; Lauri, Mariliis; Tint, Piia; Tuulik-Leisi, Varje-Riin; Tuulik, Viuu; Meigas, Kalju Proceedings of the Latvian Academy of Sciences. Section B, Natural, exact, and applied sciences 2016 / p. 308-314 : ill <https://doi.org/10.1515/prolas-2016-0047> [Journal metrics at Scopus](#) [Article at Scopus](#)

Prevention of MSDs and psychological stress at computer-equipped workplaces

Reinhold, Karin; Pille, Viive; Tuulik-Leisi, Varje-Riin; Tuulik, Viuu; Tint, Piia Revista de la Universidad Industrial de Santander. Salud 2014 / p. 221-226

Prevention of physiological and psychological stress at computer-equipped workplaces

Tint, Piia; Meigas, Kalju; Tuulik, Viuu; Pille, Viive; Oha, Kristel; Reinhold, Karin; Karai, Deniss; Tuulik-Leisi, Varje-Riin; Lauri, Mariliis Human factors : sustainable life and mobility : proceedings of the Human Factors and Ergonomics Society Europe Chapter 2013 Annual Conference 2014 / p. 229-240 : ill

Processing EEG during anaesthesia and cardiac surgery with nonlinear order statistics based methods

Lipping, Tarmo 2001 https://www.ester.ee/record=b1476353*est

Pulse wave registration from radial artery using photoplethysmographic method

Pilt, Kristjan; Leier, Mairo; Silluta, Sandra; Kööts, Kristina; Meigas, Kalju; Viigimaa, Margus Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 6425-6428 : ill <https://doi.org/10.1109/EMBC.2015.7319863> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Quantitative assessment of lean skeletal muscle hydration using water-fat MRI

Romu, Tobias; Tunon, Patrik; Uhlin, Nils Fredrik Arne Radiological Society of North America 2016 Scientific Assembly and Annual Meeting : November 27 - December 2, 2016, Chicago IL 2016 / [1] p <http://archive.rsna.org/2016/16044450.html>

Reduction of urea and indoxyl sulphate concentration during different dialysis treatment modalities

Holmar, Jana; Luman, Merike; **Arund, Jürgen;** Lauri, Kai; **Tomson, Ruth;** Tanner, Risto; **Kalle, Sigrid;** Fridolin, Ivo International journal of artificial organs 2016 / p. 379 <http://dx.doi.org/10.5301/ijao.5000508>

Revealing small hidden changes in human EEG by Higuchi's fractal dimension [Electronic resource]

Bachmann, Maie; Suhhova, Anna; **Lass, Jaanus;** Hinrikus, Hiie IFMBE proceedings ; Vol. 38 2013 / p. 47-50 : ill [CD-ROM] https://doi.org/10.1007/978-3-642-34197-7_12 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Selection of EEG frequency bands for detection of depression

Kalev, Kaia; **Bachmann, Maie** 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 55-58 https://doi.org/10.1007/978-3-319-12967-9_15 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Smart photoplethysmographic sensor for pulse wave registration at different vascular depths

Leier, Mairo; **Pilt, Kristjan;** **Karai, Deniss;** **Jervan, Gert** Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 1849-1852 : ill <https://doi.org/10.1109/EMBC.2015.7318741> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Smart photoplethysmographic sensor for pulse wave registration at different vascular depths

Leier, Mairo; **Jervan, Gert;** **Pilt, Kristjan** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 67-70 : ill

SMi ravi - neuroloogia uuestisünd

Gross-Paju, Katrin Äripäev 2016 / Terviseuudised, lk. 13

Spectral asymmetry and Higuchi's fractal dimension measures of depression electroencephalogram

Bachmann, Maie; **Lass, Jaanus;** **Suhhova, Anna;** **Hinrikus, Hiie** Computational and Mathematical Methods in Medicine 2013 / art. 251638 <https://doi.org/10.1155/2013/251638> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spectral asymmetry index and Higuchi's fractal dimension for detecting microwave radiation effect on electroencephalographic signal

Bachmann, Maie; **Lass, Jaanus;** **Suhhova, Anna;** **Hinrikus, Hiie** Proceedings of the Estonian Academy of Sciences 2014 / p. 234-239 : ill https://artiklid.elnet.ee/record=b2680563*est

Südamepuudulikkus algab hiilivalt

Heinsalu, Kadi; **Viigimaa, Margus** Äripäev 2016 / Terviseuudised, lk. 6-7 <https://dea.digar.ee/article/terviseuudised/2016/07/06/8.1>

Teadus on tootlik jõud. Paneme ta tööle.

Tanner, Risto Eesti Päevaleht 2016 / lk. 11 <https://epl.delfi.ee/artikkel/73943069/teadus-on-tootlik-joud-paneme-ta-toole#!>

Tervisedenduse tähendus nüüdisaja ühiskonnas

Viigimäe, Moonika; Lipand, Andrus; Javed, Pille; Mägi, Sandra; Vals, Kaire Eesti Arst 2016 / lk. 308-313 https://artiklid.elnet.ee/record=b2777153*est

The aortic pulse wave velocity estimation for arterial stiffness assessment

Pilt, Kristjan; **Kööts, 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 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The computer workers' working conditions influencing the health in modern buildings

Tint, Piia; **Karai, Deniss;** Oha, Kristel; **Koppel, Tarmo;** **Tuulik-Leisi, Varje-Riin;** **Tuulik, Viuu;** **Meigas, Kalju** Intelligent Technologies in Logistics and Mechatronics Systems ITLMS'2013 : proceedings of the 8th international conference 2013 / p. 247-253 : ill

The prevention of physiological and psychological stress at computer-equipped workplaces

Tint, Piia; **Tuulik, Viuu;** **Tuulik-Leisi, Varje-Riin** Human factors : sustainable life and mobility : October 16-18, 2013, Torino, Italy : programme, abstracts book 2013 / p. [30]

The working conditions of office-workers in modern buildings

Tint, Piia; **Karai, Deniss;** Oha, Kristel; **Koppel, Tarmo;** **Tuulik-Leisi, Varje-Riin;** **Tuulik, Viuu;** **Meigas, Kalju** Human factors : sustainable life and mobility : October 16-18, 2013, Torino, Italy : programme, abstracts book 2013 / p. [64]

Tooth loss is independently associated with poor outcomes in stable coronary heart disease

Vedin, Ola; Hagström, Emil; Budaj, Andrzej; **Viigimaa, Margus** European journal of preventive cardiology 2016 / p. 839-846 : ill <https://doi.org/10.1177/2047487315621978> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Total removed beta 2-microglobulin and urea during different dialysis treatment modalities

Holmar, Jana; Luman, Merike; Lauri, Kai; Fridolin, Ivo XIII Baltic Nephrology Conference : October 13-15, 2016, Jurmala, Latvia : final programme 2016 / p. 21-22 : ill <http://nefrologs.lv/wp-content/uploads/2016/10/XIII-BNC.pdf>

Traditsioonilised ja uued ravimid aterogeense düslipideemia ravis

Viigimaa, Margus Eesti Arst 2016 / lk. 299-306 : ill https://artiklid.elnet.ee/record=b2777149*est

TTÜ Tehnomeedikum. Biomeditsiinitehnika instituut

Hinrikus, Hiie; Meigas, Kalju Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 92-96 : ill https://www.ester.ee/record=b2412718*est

Urea rebound assessment based on UV absorbance in spent dialysate

Tomson, Ruth; Uhlin, Fredrik; Fridolin, Ivo Asaio journal 2014 / p. 459-465 : ill <https://doi.org/10.1097/MAT.0000000000000091>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Waves, oscillations and optics in biomedical engineering : research in the Department of Biomedical Engineering 1994-2014

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 200-210 : phot https://artiklid.elnet.ee/record=b2680530*est