

Application of electroencephalographic signal based measures for early detection of depression symptoms in occupational health = Elektroentsefalograafilisel signaalil põhinevate indikaatorite kasutamine depressiooni sümptomite varaseks avastamiseks töötervishoius

Pöld, Toomas 2021 https://www.ester.ee/record=b5473276*est <https://digikogu.taltech.ee/et/Item/c9b2a014-84fc-4003-88a2-85836830038a>
<https://doi.org/10.23658/taltech.61/2021>

Assessment of electroencephalographic measures applied in the detection of depression = Depressiooni avastamiseks kasutatavate elektroentsefalograafilise signaali mõõdikute analüüs

Päeske, Laura 2021 https://www.ester.ee/record=b5411747*est <https://digikogu.taltech.ee/et/Item/44751b09-b47f-4757-847f-dd0f1d39b91b>
<https://doi.org/10.23658/taltech.17/2021>

Brain functional connectivity in depression : gender differences in EEG

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Hinrikus, Hiie; Järvelaid, 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>

CommunityCare : tackling mental health issues with the help of community

Suran, Shweta; Pattanaik, Vishwajeet; Draheim, Dirk iiWAS2020 : The 22st International Conference on Information Integration and Web-based Applications & Services, November 30 - December 2, 2020, Chiang Mai, Thailand : [Proceedings] 2020 / art. 3429114, p. 377-382 <https://doi.org/10.1145/3428757.3429114> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Correlation between COVID-19 pandemic, emotion intelligence and depression

Zineldin, Mosad; Farhat, Anotine; Sogomonjan, Melita Acta scientific neurology 2021 / p. 54-58 : ill
<https://doi.org/10.31080/ASNE.2021.04.0335>

Depressiooni kummimantel

Rohelend, Birk, pseudonüüm Eesti Naine 2024 / lk. 16 https://www.ester.ee/record=b1072072*est

Depressiooni saab tuvastada juba enne sümptomeid

Imeline Teadus 2022 / lk. 20 : fot https://www.ester.ee/record=b2747925*est <https://digikogu.taltech.ee/et/Item/c9b2a014-84fc-4003-88a2-85836830038a>

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

Suhhova, Anna 2012

Detrended fluctuation analysis of EEG in depression

Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Adamsoo, Kaire; Võhma, 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](#)

Editorial: Innovations in depression diagnosis and treatment outcome monitoring

Čukić, Milena B.; Savić, Danko; Bachmann, Maie Frontiers in digital health 2023 / art. 1224999, 3 p
<https://doi.org/10.3389/fgdh.2023.1224999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Suhhova, Anna; Bachmann, Maie; Lass, Jaanus; Adamsoo, Kaire; Võhma, 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](#)

Eesti meditatsiooniäpp astub mitme miljardi dollari suuruse ravimisektori kandadele

Väärtmaa, Taigar arileht.delfi.ee 2023 [Eesti meditatsiooniäpp astub mitme miljardi dollari suuruse ravimisektori kandadele](#)

Eesti teadlaste leid võib sillutada teed uutmoodi depressiooniravile

novaator.err.ee 2025 <https://novaator.err.ee/1609664366/eesti-teadlaste-leid-voib-sillutada-teed-uumoodi-depressiooniravile>
<https://doi.org/10.1523/JNEUROSCI.0313-24.2025>

Effect of negative and positive emotions on EEG spectral asymmetry

Päeske, Laura; Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / p. 8107 - 8110 <https://doi.org/10.1109/EMBC.2015.7320275> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Ensemble approach for detection of depression using EEG features

Avots, Egils; Jermakovs, Klavs; Bachmann, Maie; Päeske, Laura; Ozcinar, Cagri; Anbarjafari, Gholamreza Entropy 2022 / art. 211
<https://doi.org/10.3390/e24020211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estonian scientists' find could pave the way for new depression treatment

err.ee 2025 <https://news.err.ee/1609664915/estonian-scientists-find-could-pave-the-way-for-new-depression-treatment>
<https://doi.org/10.1523/JNEUROSCI.0313-24.2025>

Evaluation of deep learning-based depression detection using medical claims data

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk Artificial intelligence in medicine 2024 / art. 102745, 16 p. : ill <https://doi.org/10.1016/j.artmed.2023.102745> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of deep learning-based depression detection using medical claims data : preprint

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk SSRN 2023 / p. 1-34 : ill
<https://doi.org/10.2139/ssrn.4478987>

Final Trial Report 2nd Wave (cCBT)

Txarramendieta, Jon; Fullaondo, Ana; Manuel Keenoy, Esteban de; Vis, Christiaan; Etzelmuller, Anne; Pinto, Ana G.; Sierra, Modesto; Piera, Jordi; Fernandez, Susana; Cavallo, Marco; **Sogomonjan, Melita** 2017 <https://doi.org/10.48726/Oxye3-4e272>

FPGA-based implementation of EEG analyzer for detection of depressive disorder

Pesonen, Vadim; Gorev, Maksim; Mihhailov, Dmitri Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 67-70 : ill

FPGA-based implementation of EEG analyzer for detection of depressive disorder

Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 69-72 : ill

Fractal analysis of electrophysiological signals to detect and monitor depression : what we know so far?

Čukić, Milena; Olejarczyk, Elzbieta; **Bachmann, Maie** The Fractal Geometry of the Brain 2024 / p. 677 - 692
https://doi.org/10.1007/978-3-031-47606-8_34 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Higuchi's fractal dimension for analysis of the effect of microwave exposure in depression

Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Aadamsoo, Kaire; Võhma, Ülle; Hinrikus, Hiie Proceedings : 7th International Workshop on Biological Effects of Electromagnetic Field : October 2012 (Malta) 2012 / 4 p. : ill

Iga kolmas haigena koju jäänud töötaja on seal stressi või depressiooni tõttu : [artiklis annab selgitusi ka TTÜ teadur Mare Teichmann]

Aljas, Riin Eesti Päevaleht 2014 / lk. 2-3 <https://epl.delfi.ee/artikkel/68402713/iga-kolmas-haigena-koju-jaanud-tootaja-on-seal-stressi-voi-depressiooni-tottu>

The importance of nutrition in mental health

Khalid, Sadia Medical students international 2023 / p. 18-19 <https://ifmsa.org/wp-content/uploads/2023/09/MSI-44-1-1.pdf>

In-phase matrix profile : a novel method for the detection of major depressive disorder

Uudeberg, Tuuli; Belikov, Juri; Päeske, Laura; Hinrikus, Hiie; Liiv, Innar; Bachmann, Maie Biomedical Signal Processing and Control 2024 / art. 105378 <https://doi.org/10.1016/j.bspc.2023.105378> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ivo Fridolin: Living a healthy life is challenge. Science does not fight death

Fridolin, Ivo Estonian Centre of Excellence in ICT Research 2021 / p. 10-15 : ill https://www.ester.ee/record=b5456158*est
<http://www.digar.ee/id/nlib-digar:634779>

Kuidas tuvastada depressiooni enne selle subjektiivsete sümptomite avastamist? [Võrguväljaanne]

jarvateataja.postimees.ee 2021 ["Kuidas tuvastada depressiooni enne selle subjektiivsete sümptomite avastamist?"](https://jarvateataja.postimees.ee/2021/09/01/kuidas-tuvastada-depressiooni-enne-selle-subjektiivsete-symptomite-avastamist/)

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](#)

Lempel-Ziv and multiscale Lempel-Ziv complexity in depression

Kalev, Kaia; Bachmann, Maie; Päeske, Laura; Lass, Jaanus; Hinrikus, Hiie 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / art. 7319310 <https://doi.org/10.1109/EMBC.2015.7319310>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Long-term stability of EEG spectral asymmetry index - preliminary study

Uudeberg, Tuuli; Päeske, Laura; Pöld, Toomas; Lass, Jaanus; Hinrikus, Hiie; Bachmann, Maie XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 276-281 https://doi.org/10.1007/978-3-030-31635-8_33 [Conference proceeding at Scopus](#) [Article at](#)

Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis

Bachmann, Maie; Päeske, Laura; Kalev, Kaia; Aarma, Katrin; Lehtmets, Andres; Ööpik, Pille; **Lass, Jaanus; Hinrikus, Hiie** Computer methods and programs in biomedicine 2018 / p. 11–17 : ill <https://doi.org/10.1016/j.cmpb.2017.11.023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Muutus ajutöös võimaldab märgata depressiooni enne selle avaldumist [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Muutus ajutöös võimaldab märgata depressiooni enne selle avaldumist"](#)

Näitleja Märt Avandi elustiilikonverentsil: Depressioon on haigus, mida tuleb ravida

Kröönström, Kristiina pealinn.ee 2023 [Näitleja Märt Avandi elustiilikonverentsil: Depressioon on haigus, mida tuleb ravida](#)

Occupational health care personnel tackling alcohol overuse - an observational study of work processes and patient characteristics

Kuronen, Jarmo; Winell, Klas; **Hartšenko, Jelena;** Räsänen, Kimmo BMC Public Health 2022 / art. 67 <https://doi.org/10.1186/s12889-021-12473-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predicting psychiatric diseases using autoAI : a performance analysis based on health insurance billing data

Bertl, Markus; Ross, Peeter; Draheim, Dirk Database and Expert Systems Applications : 32nd International Conference, DEXA 2021, Virtual Event, September 27-30, 2021 : proceedings. Part I 2021 / p. 104-111 https://doi.org/10.1007/978-3-030-86472-9_9 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Psychopathological phenomenology and clinical management of patients with depressive episode under conditions of full-scale invasion

Tieroshyna, Iryna; Zelenska, Kateryna; **Chernenko, Inna; Demikhova, Nadiia** Ukrains'kyi Visnyk Psykhonevrolohi 2025 / p. 54-56 <https://doi.org/10.36927/2079-0325-V33-is2-2025-9>

Rapid socio-economic changes, psychosocial factors and prevalence of hypertension among men and women aged 55 years at baseline in Estonia: a 13-year follow-up study

Sammul, Sirje; **Viigimaa, Margus** Blood pressure 2018 / p. 351-357 <https://doi.org/10.1080/08037051.2018.1476054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regulation of extracellular serotonin levels and brain-derived neurotrophic factor in rats with high and low exploratory activity

Mällo, Tanel; Kõiv, Kadri; **Koppel, Indrek;** Raudkivi, Karita; Uustare, Ain; Rinken, Ago; **Timmusk, Tõnis;** Harro, Jaanus Brain research 2008 / p. 110-117 : ill <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2568862/>

A report on the survey. Attitudes of Estonian healthcare professionals to internet-delivered cognitive behavioural therapy

Sogomonjan, Melita; Kerikmäe, Tanel; Ööpik, Pille; **Ross, Peeter** Cogent psychology 2019 / art. 1637623, 12 p

<https://doi.org/10.1080/23311908.2019.1637623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Resting EEG functional connectivity and graph theoretical measures for discrimination of depression

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Järvelaid, Mari; **Raik, Jaan; Hinrikus, Hiie** 4th IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2017 : Orlando, Florida, USA, 16-19 February 2017 2017 / p. 389-392 : ill <https://doi.org/10.1109/BHI.2017.7897287>

A review article on Internet-based psychological interventions in primary care. What is the global experience? How reliable are results from RCTs? Lessons learned from the European, US and Australian case studies

Sogomonjan, Melita; Kerikmäe, Tanel; Ööpik, Pille Baltic journal of European studies 2018 / p. 145-163 : ill <https://content.sciendo.com/view/journals/bjes/8/2/article-p145.xml> <https://doi.org/10.1515/bjes-2018-0019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Single channel EEG analysis for detection of depression

Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie Biomedical signal processing and control 2017 / p. 391-397 : ill <https://doi.org/10.1016/j.bspc.2016.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Stressile aitab kaasa oluliste vitamiinide vaegus

Liebert, Tiit Tervisemeeter 2021 / Lk. 8 https://www.ester.ee/record=b5295006*est <https://dea.digar.ee/cgi-bin/dea?a=cl&cl=CL1&sp=tervisemeeter>

Suur kõht = lühem elu ehk 6 eriti tõhusat tegurit, mis seda riski suurendavad

Viigimaa, Margus Director 2011 / 3, lk. 30-32 https://artiklid.elnet.ee/record=b2283769*est

Suur kõht = lühem elu ehk 6 eriti tõhusat tegurit, mis seda riski suurendavad

Viigimaa, Margus Director 2014 / lk. 62-64

Tallinna pimendamine : [artiklis vihjed ka TTÜ teadlase Mare Teichmanni uuringutele]

Kraas, Andres Postimees 2014 / lk. 12 <https://arvamus.postimees.ee/2985655/andres-kraas-tallinna-pimendamine>

TalTechi suvekoolis loodi alus depressiooni digitaalseks jälgimiseks

Mente et Manu 2020 / lk. 13 https://www.ester.ee/record=b1242496*est

Temporal stability and correlation of EEG markers and depression questionnaires scores in healthy people

Pöld, Toomas; Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Bachmann, Maie Scientific reports 2023 / art. 21996
<https://doi.org/10.1038/s41598-023-49237-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Threshold of radiofrequency electromagnetic field effect on human brain

Hinrikus, Hiie; Lass, Jaanus; Bachmann, Maie International journal of radiation biology 2021 / p. 1505-1515 : ill
<https://doi.org/10.1080/09553002.2021.1969055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Valmis doktoritöö depressiooni tuvastamisest [Võrguväljaanne]

mu.ee 2021 ["Valmis doktoritöö depressiooni tuvastamisest"](#)

Ученый дает советы: как в самый темный период года не набрать лишний вес и не впасть в депрессию

Liebert, Tiit rus.postimees.ee 2023 [Ученый дает советы: как в самый темный период года не набрать лишний вес и не впасть в депрессию](#)