

Adaptive segmentation of burst-suppression pattern in isoflurane and enflurane anesthesia

Lipping, Tarmo; Jäntti, Ville; Yli-Hankala, Arvi; Hartikainen, Kaisa International journal of clinical monitoring and computing 1995 / 12, p. 161-167: ill

Analysis of EEG patterns during midazolam sedation in critically ill patients for brain monitoring purposes

Lipping, Tarmo; Jäntti, Ville; **Rätsep, Indrek;** **Ferenets, Rain** 2nd International Baltic Congress of Anaesthesiology and Intensive Care. 8th Congress of Estonian Anaesthesiologists : Tallinn, Estonia, 26-28 October 2006 : final programme. Proceedings of the congress 2006 / p. 89 <https://researchportal.tuni.fi/en/activities/analysis-of-eeq-patterns-during-midazolam-sedation-in-critically->

Analysis of respiratory related evoked potentials using independent component analysis

Lipping, Tarmo; Akay, M. Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 418-419 <https://researchportal.tuni.fi/publications/analysis-of-respiratory-related-evoked-potentials-using-independe>

Biomedical engineering education and professional accreditation in Estonia

Hinrikus, Hiie; **Lipping, Tarmo;** **Meigas, Kalju** Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 682-683

Bispectrum for the detection of the effect of photic and microwave stimulation on human EEG

Parts, Maie; **Lipping, Tarmo;** **Lass, Jaanus;** **Hinrikus, Hiie** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 3 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 2327-2330 : ill

Comparing entropy/complexity of EEG during propofol and sevoflurane anesthesia at burst-suppression level

Ferenets, Rain; **Lipping, Tarmo;** Puumala, Pasi; Jäntti, Ville; Sonkajärvi, Eila; Heikkinen, Esa; Karvonen, Elina; Suominen, Katri The proceedings of 5th International Workshop on Biosignal Interpretation : September 6-8, 2005, Tokyo, Japan 2005 / p. 187-190 : ill <https://researchportal.tuni.fi/en/publications/comparing-entropcomplexity-of-eeq-during-propofol-and-sevoflurane>

Comparing time-frequency methods for estimating instantaneous frequency of spindles during propofol anesthesia [Electronic resource]

Ferenets, Rain; Jäntti, Ville; Huotari, Ari-Matti; Alahuhta, Seppo; **Lipping, Tarmo** Medicon and Health Telematics 2004 "Health in the Information Society" : Xth Mediterranean Conference on Medical and Biological Engineering : July 31 - August 5, 2004, Ischia, Napeles-Italy 2004 / [4] p. : ill. [CD-ROM]

DC-level detection of burst-suppression EEG

Lipping, Tarmo; Loula, P.; Jäntti, Ville; Yli-Hankala, Arvi Methods of information in medicine 1994 / 1, p. 35-38: ill

Digitaalne signaali- ja pilditöötlus : loengukonspekt

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

EEG independent component and coherence analysis from scalp and depth electrodes during propofol anesthesia

Lipping, Tarmo; **Ferenets, Rain;** Puumala, Pasi Digest of 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : a new Beginning for Human Health : Cancun, Mexico, 2003 2003 / p. 2471-2474 <https://ieeexplore.ieee.org/document/1280416/similar#similar>

EEG patterns and regularity properties during propofol induced anesthesia/sedation

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

EEG signal in monitoring brain function in anesthesia and intensive care : a review

Lipping, Tarmo; Jäntti, Ville Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 95-109 : ill

Effects of hypoxia on the complexity of respiratory patterns during maturation

Akay, M.; **Lipping, Tarmo;** Moodie, K.; Hoopes, P.M. Early human development 2002 / p. 55-71 <https://www.sciencedirect.com/science/article/abs/pii/S0378378202000749>

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

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

Exploring the IBIS data library contents - tools for data visualisation, (pre-)processing and screening

Tomsen, C.; Cluitmans, L.; **Lipping, Tarmo** Computer methods and programs in biomedicine 2000 / 3, p. 187-201

Fractal dimension analysis of the effects of photic and microwave stimulation on the brain function [Electronic resource]

Lipping, Tarmo; Olejarczyk, E.; **Parts, Maie** Proceedings of World Congress on Medical Physics and Biomedical Engineering : Sydney, Australia, 2003 2003 / [4] p. [CD-ROM]

Higuchi fractal dimension and spectral entropy as measures of depth of sedation in intensive care unit

Anier, Andres; Lipping, Tarmo; Melto, S.; Hovilehto, S. Proceedings of the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : San Francisco, CA, USA, September 1-5, 2004. Vol. 1 2004 / p. 526-529 : ill <https://pubmed.ncbi.nlm.nih.gov/17271729/>

Low-level microwave effects on EEG alpha and theta waves [Electronic resource]

Parts, Maie; Lass, Jaanus; Lipping, Tarmo; Tuulik, Viuu; Hinrikus, Hiie Proceedings of World Congress on Medical Physics and Biomedical Engineering : Sidney, Australia, 2003 2003 / [4] p. [CD-ROM] <https://researchportal.tuni.fi/en/publications/low-level-microwave-effects-on-eeeg-alpha-and-theta-waves>

Monitoring trends in cardiac surgery

Lipping, Tarmo; Mandersloot, G.; Prior, P. Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [4] p

Non-linear algorithms for processing biological signals

Cerutti, S.; Carrault, G.; Cluitmans, P.J.M.; Kinie, A.; **Lipping, Tarmo;** Nikolaidis, N.; Pitas, I.; Signorini, M.G. Computer methods and programs in biomedicine 1996 / 1/2, p. 51-73: ill

Nonlinear digital filtering of physiological signals

Lipping, Tarmo Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 73-76: ill

Nonlinear interpretation of respiratory sinus arrhythmia in anesthesia

Loula, P.; **Lipping, Tarmo;** Jäntti, Ville; Yli-Hankala, Arvi Methods of information in medicine 1994 / 1, p. 52-57: ill <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0038-1634982>

Nonlinear order statistics based methods in physiological signal processing

Lipping, Tarmo 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 1996 / p. 11-13

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

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

Signaalitöötuse abil turvalisemate operatsioonide poole : [intervjuu Tarmo Lipping'uga tema doktoriväitekirjast, kaitstud Tampere Tehnikaülikooli Pori osakonnas]

Lipping, Tarmo; Ummelas, Mart Mente et Manu 2001 / 13. märts, lk. 1, 3 : portr https://www.ester.ee/record=b1242496*est

Synchronization of brain activity during induction of propofol anesthesia : comparison of methods

Lipping, Tarmo; Saareleht, Jaanika; Olejarczyk, Elzbieta; Sonkajarvi, Eila; Ylinen, Tuomo; Jantti, Ville 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2016 / art. 7591973 <https://doi.org/10.1109/EMBC.2016.7591973> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tehnika elu kvaliteedi parandamiseks - biomeditsiinitehnika

Hinrikus, Hiie; Lass, Jaanus; Lipping, Tarmo; Meigas, Kalju; Riipulk, Jevgeni Teadusmõtte Eestis : tehnikateadused 2002 / lk. 31-37 : ill

Trends in nonlinear signal processing

Hämäläinen, M.; **Lipping, Tarmo;** Neuvo, Y. Methods of information in medicine 1994 / 1, p. 4-9: ill

User interface for analysis of polygraphic recordings of physiological signals in European Data Format

Lipping, Tarmo; Anier, Andres Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 4, p. 304-311: ill