

Ellen Raben Pedersen
SDU Health Informatics
The Maersk Mc-Kinney Moller Institute
Email: erpe@mmmi.sdu.dk



Publications

Sundhedsteknologi er vigtigere end nogensinde. / Pedersen, Ellen Raben.
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Comparison of Hearing Aid Fitting Effectiveness With Audiograms From Either User-Operated or Traditional Audiometry in a Clinical Setting. / Pedersen, Carl; Pedersen, Ellen Raben; Laugesen, Søren et al.
2024. Poster session presented at 47th American Research for Otolaryngology Midwinter meeting, Anaheim, California, United States.

Hearing Loss, Hearing Aid Use, and Risk of Dementia in Older Adults. / Cantuaria, Manuella Lech; Pedersen, Ellen Raben ; Waldorff, Frans Boch et al.
In: JAMA Otolaryngology - Head and Neck Surgery, Vol. 150, No. 2, 08.02.2024, p. 157-164.

Observed issues and their prevalence when patients conduct user-operated audiometry. / Sørensen, Chris Bang; Pedersen, Carl; Pedersen, Ellen Raben et al.
2023. Poster session presented at International Symposium on Auditory and Audiological Research, Nyborg, Denmark.

Two tests for assessing under- and over-amplification with hearing aids. / Pedersen, Carl; Laugesen, Søren; Pedersen, Ellen Raben et al.
2023. Poster session presented at International Symposium on Auditory and Audiological Research, Nyborg, Denmark.

Eye-Tracking on Touch Screen – Evaluating User Interaction. / Nielsen, Camilla Panduro; Nielsen, Jacob; Sørensen, Chris Bang et al.
Caring is Sharing – Exploiting the Value in Data for Health and Innovation. ed. / Maria Hagglund; Madeleine Blusi; Stefano Bonacina; Lina Nilsson; Inge Cort Madsen; Sylvia Pelayo; Anne Moen; Arriel Benis; Lars Lindskold; Paris Gallos. Vol. 302 IOS Press, 2023. p. 631-635 (Studies in Health Technology and Informatics, Vol. 302).

AMTASTM and user-operated smartphone research application audiometry-An evaluation study. / Sørensen, Chris Bang; Adams, Thomas Bording; Pedersen, Ellen Raben et al.
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User-operated audiometry—an evaluation of expert vs. non-expert headphone placement. / Sørensen, Chris Bang; Gyldenlund Pedersen, René; Nielsen, Jacob et al.
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Ambient Noise in Candidate Rooms for User-Operated Audiometry. / Sidiras, Christos; Nielsen, Jacob; Sørensen, Chris Bang et al.
In: Healthcare, Vol. 11, No. 6, 889, 20.03.2023.

Comparison of hearing aid fitting effectiveness with audiograms from either user-operated or traditional audiometry in a clinical setting: a study protocol for a blinded non-inferiority randomised controlled trial. / Pedersen, Carl Christian; Pedersen, Ellen Raben; Laugesen, Søren et al.
In: BMJ Open, Vol. 13, No. 3, e065777, 02.03.2023.

Transportation Noise and Risk of Tinnitus: A Nationwide Cohort Study from Denmark. / Cantuaria, Manuella Lech; Pedersen, Ellen Raben; Poulsen, Aslak Harbo et al.
In: Environmental Health Perspectives, Vol. 131, No. 2, 027001, 02.2023.

Hearing loss and incidence of dementia: A large cohort study covering the Region of Southern Denmark. / Cantuaria, Manuella Lech; Pedersen, Ellen Raben; Waldorff, Frans Boch et al.
2022. Poster session presented at 6th International Conference on Cognitive Hearing Science for Communication, Linköping, Sweden.

User-Operated Audiometry Project (UAud) - Introducing an Automated User-Operated System for Audiometric Testing Into Everyday Clinic Practice. / Sidiras, Christos; Sanchez-Lopez, Raul; Pedersen, Ellen Raben et al.
In: *Frontiers in Digital Health*, Vol. 3, 724748, 07.10.2021.

Hearing examinations in Southern Denmark (HESD) database: a valuable tool for hearing-related epidemiological research. / Cantuaria, Manuella Lech; Pedersen, Ellen Raben; Waldorff, Frans Boch et al.
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Residential exposure to transportation noise in Denmark and incidence of dementia: National cohort study. / Cantuaria, Manuella Lech; Waldorff, Frans Boch; Wermuth, Lene et al.
In: *The BMJ*, Vol. 374, n1954, 08.09.2021.

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2020. Poster session presented at 43rd Annual Midwinter Meeting for the Association for Research in Otolaryngology (ARO), San José, California, United States.

Hearing examinations in Southern Denmark (HESD): Database description and preprocessing. / Cantuaria, Manuella Lech; Pedersen, Ellen Raben; Sørensen, Mette et al.
Proceedings of the International Symposium on Auditory and Audiological Research: Auditory Learning in Biological and Artificial Systems. ed. / Abigail Anne Kressner; Jonathan Regev; Jakob Christensen-Dalsgaard; Lisbeth Tranebjærg; Sébastien Santurette; Torsten Dau. Vol. 7 2020. p. 173-180.

European 17 countries consensus endorses more approaches to APD than reported in Wilson 2018. / Iliadou, Vasiliki Vivian; Ptok, Martin; Grech, Helen et al.
In: *International Journal of Audiology*, Vol. 57, No. 5, 05.2018, p. 395-396.

Letter to the Editor: An Affront to Scientific Inquiry Re: Moore, D. R. (2018) Editorial: Auditory Processing Disorder, *Ear Hear*, 39, 617-620. / Iliadou, Vasiliki Vivian; Chermak, Gail D; Bamiou, Doris-Eva et al.
In: *Ear and Hearing*, Vol. 39, No. 6, 11.2018, p. 1236-1242.

The Danish test battery for auditory processing disorder evaluated with patient and control data. / Raben Pedersen, Ellen.
In: *International Journal of Audiology*, Vol. 57, No. 10, 2018, p. 755-763.

Evaluation of audiological tests used in the clinical practice. / Pedersen, Ellen Raben.
Syddansk Universitet. Det Tekniske Fakultet, 2017.

Reproducibility of Dual-Microphone Voice Range Profile Equipment. / Printz, Trine; Pedersen, Ellen Raben; Juhl, Peter et al.
In: *Journal of Speech, Language, and Hearing Research*, Vol. 60, No. 12, 2017, p. 3369-3377.

Implementation and evaluation of a Danish test battery for auditory processing disorder in children. / Pedersen, Ellen Raben; Dahl-Hansen, Berit; Christensen-Dalsgaard, Jakob et al.
In: *International Journal of Audiology*, Vol. 56, No. 8, 08.2017, p. 538-549.

Simulated Critical Differences for Speech Reception Thresholds. / Pedersen, Ellen Raben; Juhl, Peter Møller.
In: *Journal of Speech, Language, and Hearing Research*, Vol. 60, No. 1, 01.2017, p. 238-250.

A European Perspective on Auditory Processing Disorder-Current Knowledge and Future Research Focus. / Iliadou, Vasiliki; Ptok, Martin; Grech, Helen et al.
In: *Frontiers in Neurology*, Vol. 8, No. NOV, 622, 21.11.2017.

Freelance musicians in Denmark: Musculoskeletal complaints. / Bælum, Jesper; Paarup, Helene M.; Pedersen, Ellen Raben et al.
2016. Abstract from Musicians' Health & Performance 2nd Conference, Odense, Denmark.

Freelance musicians in Denmark: Working conditions. / Bælum, Jesper; Paarup, Helene M.; Pedersen, Ellen Raben et al.
2016. Abstract from Musicians' Health & Performance 2nd Conference, Odense, Denmark.

Speech perception in medico-legal assessment of hearing disabilities. / Pedersen, Ellen Raben; Juhl, Peter Møller; Wetke, Randi et al.
In: *International Journal of Audiology*, Vol. 55, No. 10, 10.2016, p. 547-555.

Discrimination scores used in medico-legal assessment of hearing disabilities. / Pedersen, Ellen Raben; Juhl, Peter Møller; Wetke, Randi et al.
2015. Poster session presented at 5th International Symposium on Auditory and Audiological Research, Nyborg, Denmark.

Statistical uncertainty in speech intelligibility testing. / Pedersen, Ellen Raben; Juhl, Peter Møller.
2015. Poster session presented at 7th Speech in Noise Workshop, Copenhagen, Denmark.

Are temporary threshold shifts reflected in the auditory brainstem response? / Andersen, Lou-Ann Christensen; Andersen, Ture; Pedersen, Ellen Raben et al.
Proceedings of the International Symposium on Auditory and Audiological Research. Vol. 5 2015. p. 109-116.

Neurological & Behavioural responses to Musical Features in Adolescent Cochlear Implant Users Before and After Intensive Music Training. / Petersen, Bjørn; Weed, Ethan ; Pedersen, Ellen Raben et al.
2014. Poster session presented at The Neurosciences and Music - V, Dijon, France.

Perception of Music and Speech in Adolescents with Cochlear Implants: A Pilot Study on Effects of Intensive Musical Ear Training. / Petersen, Bjørn; Derau Sørensen, Stine; Pedersen, Ellen Raben et al.
Proceedings of the 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013: Auditory Plasticity - Listening with the Brain. ed. / T. Dau; S. Santurette; J. C. Dalsgaard; L. Tranebjærg; T. Andersen; T. Poulsen. Danavox Jubilee Foundation, 2014.

Critical differences for speech reception thresholds. / Pedersen, Ellen Raben; Juhl, Peter Møller.
BNAM 2014 proceedings. Nordic Acoustic Association, 2014.

Examination of the Learning Effect with the Dantale II Speech Material. / Pedersen, Ellen Raben; Juhl, Peter Møller.
Proceedings of the 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013: Auditory Plasticity - Listening with the Brain. ed. / T. Dau; S. Santurette; J. C. Dalsgaard; L. Tranebjærg; T. Andersen; T. Poulsen. Danavox Jubilee Foundation, 2014. P 34.

Informational Masking in Speech Intelligibility Tests. / Pedersen, Ellen Raben; El-Samail, Hoda; Daugaard, Carsten et al.
Proceedings of the 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013: Auditory Plasticity - Listening with the Brain. ed. / T. Dau; S. Santurette; J. C. Dalsgaard; L. Tranebjærg; T. Andersen; T. Poulsen. Danavox Jubilee Foundation, 2014. P35.

A user-operated audiometry method based on the maximum likelihood principle and the two-alternative forced-choice paradigm. / Schmidt, Jesper Hvass; Brandt, Christian ; Pedersen, Ellen Raben et al.
In: *International Journal of Audiology*, Vol. 53, No. 6, 06.2014, p. 383-391.

Hearing Loss in Relation to Sound Exposure of Professional Symphony Orchestra Musicians. / Schmidt, Jesper Hvass; Pedersen, Ellen R; Paarup, Helene M et al.
In: Ear and Hearing, Vol. 35, No. 4, 05.03.2014, p. 448-460.

User operated speech in noise test: Implementation and comparison with a traditional test. / Pedersen, Ellen Raben; Juhl, Peter Møller.
In: International Journal of Audiology, Vol. 53, No. 5, 05.2014, p. 336-344.

Hearing loss, tinnitus and hyperacusis in relation to sound exposure of professional symphony orchestra musicians. / Schmidt, Jesper H.; Pedersen, Ellen Raben; Paarup, Helene M. et al.
2013. Abstract from Musicians' Health and Performance 1st Nordic Conference 2013, Piteå, Sweden.

Sound exposure of opera choir singers. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Juhl, Peter Møller.
2013. Abstract from 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013, Nyborg, Denmark.

Sound exposure of opera choir singers. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Juhl, Peter Møller.
2013. Poster session presented at 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013, Nyborg, Denmark.

Examination of the Learning Effect with the Dantale II Speech Material. / Pedersen, Ellen Raben; Juhl, Peter Møller.
2013. Poster session presented at 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013, Nyborg, Denmark.

Informational Masking in Speech Intelligibility Tests. / Pedersen, Ellen Raben; El-Samail, Hoda; Daugaard, Carsten et al.
2013. Poster session presented at 4th International Symposium on Auditory and Audiological Research (ISAAR) 2013, Nyborg, Denmark.

Speech Tests as an Outcome Measure. / Daugaard, Carsten; Jørgensen, Chris Vigandt ; Pedersen, Ellen Raben.
2012. Poster session presented at AudiologyNOW! 2012, Boston, United States.

Distortion Product Otoacoustic Emissions (DPOAE) after exposure to noise and music of equal energy. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Petersen, Bjørn et al.
Proceedings of the International Symposium on Auditory and Audiological Research (ISAAR) 2011. 2012. p. 207-214.

Tinnitus, hyperacusis and their relations to hearing loss in professional symphony orchestra musicians. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Paarup, Helene M. et al.
Proceedings of the International Symposium on Auditory and Audiological Research (ISAAR) 2011. 2012. p. 199-206.

Speech in Noise Test based on a Ten-Alternative Forced Choice Procedure. / Pedersen, Ellen Raben; Juhl, Peter Møller.
Proceedings of the Baltic-Nordic Acoustics Meeting (BNAM) 2012 . Odense: Nordic Acoustic Association, 2012.

Speech as input for technical measures. / Daugaard, Carsten; Pedersen, Ellen Raben.
Proceedings of the Baltic-Nordic Acoustics Meeting (BNAM) 2012 . Odense: Nordic Acoustic Association, 2012.

Distortion Product Otoacoustic Emissions (DPOAE) after exposure to noise and music of equal energy. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Petersen, Bjørn et al.
2011. Poster session presented at International Symposium on Auditory and Audiological Research (ISAAR) 2011, Nyborg, Denmark.

Tinnitus, hyperacusis and their relations to hearing loss in professional symphony orchestra musicians. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Paarup, Helene M. et al.
2011. Poster session presented at International Symposium on Auditory and Audiological Research (ISAAR) 2011, Nyborg, Denmark.

Speech intelligibility in classrooms - a large pupil oriented experiment. / Juhl, Peter Møller; Pedersen, Ellen Raben. 2011. Poster session presented at Forum Acusticum 2011, Aalborg, Denmark.

Bilateral Sound Exposure in Professional Classical Musicians. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Juhl, Peter Møller et al. Proceedings of Forum Acusticum 2011. Aalborg: European Acoustics Association, 2011. p. 2571-2576 (Forum Acusticum, Vol. 6).

An Alternative Noise Signal for Danish Speech in Noise Tests. / Pedersen, Ellen Raben; Juhl, Peter Møller. Proceedings of Forum Acusticum 2011. Aalborg: European Acoustics Association, 2011. p. 2657-2662 (Forum Acusticum, Vol. 6).

Hearing aid as transparent electronic hearing protection for classical orchestra musicians. / Pedersen, Ellen Raben; Jørgensen, Chris Vigandt; Nielsen, Lillian Bjørn et al. Proceedings of Forum Acusticum 2011. Aalborg: European Acoustics Association, 2011. p. 2555-60 (Forum Acusticum, Vol. 6).

Speech Intelligibility in classrooms - a large pupil oriented experiment. / Juhl, Peter Møller; Pedersen, Ellen Raben. Proceedings of Forum Acusticum 2011. Aalborg: European Acoustics Association, 2011. p. 2589-2592 (Forum Acusticum, Vol. 6).

Sound Exposure of Symphony Orchestra Musicians. / Schmidt, Jesper Hvass; Pedersen, Ellen Raben; Juhl, Peter Møller et al. In: Annals of Occupational Hygiene, Vol. 55, No. 8, 2011, p. 893-905.

Elever undersøger akustik i klasselokaler: Eleverrapport om resultatet af Masseeksperiment 2010. / Juhl, Peter Møller; Pedersen, Ellen Raben; Ørsted-Jordy, Laura. 12 p. 2010, Popular science.

Elever undersøger akustik i klasselokaler: Faglig rapport om resultatet af Masseeksperiment 2010. / Juhl, Peter Møller; Pedersen, Ellen Raben. 17 p. 2010, Popular science.

Activities

Can hearing aids reduce the risk for incident dementia in older adults?

Cantuaria, M. L. (Co-author), Pedersen, E. R. (Co-author), Sørensen, M. (Co-author) & Schmidt, J. H. (Lecturer)
21. Apr 2023

Presentation of the UAud project

Pedersen, E. R. (Other) & Sidiras, C. (Speaker)
17. Mar 2023

A nationwide cohort study on transportation noise and tinnitus: expanding current knowledge on the adverse health effects of noise pollution.

Cantuaria, M. L. (Lecturer), Pedersen, E. R. (Co-author), Poulsen, A. H. (Co-author), Schmidt, J. H. (Co-author) & Sørensen, M. (Co-author)
18. Sept 2022 → 21. Sept 2022

Test af taleforståelighed - før, nu og i fremtiden?

Pedersen, E. R. (Speaker)
7. Apr 2021

The Faculty of Engineering (Organisational unit)

Pedersen, E. R. (Member)

1. Jan 2021 → ...

SDU (Organisational unit)

Pedersen, E. R. (Member)

2020

University of Copenhagen (External organisation)

Pedersen, E. R. (Member)

2020 → ...

APD - Auditory Processing Disorder

Pedersen, E. R. (Speaker) & Borgesen, S. (Speaker)

21. Nov 2019

Taleforståelighed - før, nu og i fremtiden?

Pedersen, E. R. (Speaker)

27. Aug 2019

Høretests

Pedersen, E. R. (Speaker)

21. Feb 2019

Høretests

Pedersen, E. R. (Speaker)

19. Feb 2019

DANTALE: Fonemscore vs. ordscore

Pedersen, E. R. (Speaker)

30. Jan 2019

Hva' siger du?

Pedersen, E. R. (Speaker)

15. Nov 2018

Taleforståelighed (uddrag af ph.d.-projekt)

Pedersen, E. R. (Speaker)

8. Nov 2018

Dantale II: En høretest af evnen til at skelne i baggrundsstøj

Pedersen, E. R. (Speaker)

29. Sept 2018

Hvordan får man modet til at formidle?

Pedersen, E. R. (Panel member)

Jun 2018

Ny forskning - hør finalisterne i Ph.d. Cup

Pedersen, E. R. (Panel member)

Jun 2018

Ph.d. Cup finaleshow

Pedersen, E. R. (Speaker)

Apr 2018

Lydscore vs. ordscore

Pedersen, E. R. (Speaker)

7. Mar 2018

Evaluation of audiological tests used in the clinical practice

Pedersen, E. R. (Lecturer)

7. Sept 2017

Evaluering af audiologiske tests anvendt i den kliniske praksis

Pedersen, E. R. (Lecturer)

Sept 2017

SDU (Organisational unit)

Pedersen, E. R. (Member)

2016 → 2017

Taleforståelighedstests med fokus på Dantale II

Pedersen, E. R. (Speaker)

15. Apr 2015

APD testbatteriet og taleforståelighedstests (3 timer)

Pedersen, E. R. (Speaker)

16. Mar 2015

Taleforståelighedstests med fokus på Dantale II

Pedersen, E. R. (Speaker)

14. Jan 2015

Taleforståelighedstests med fokus på Dantale II

Pedersen, E. R. (Speaker)

1. Oct 2014

Critical differences for speech reception thresholds

Pedersen, E. R. (Speaker)

3. Jun 2014

BMLD-testen, patient- og kontroldata

Pedersen, E. R. (Speaker)

9. May 2014

The Faculty of Engineering (Organisational unit)

Pedersen, E. R. (Member)

2014 → 2017

Differentialligninger og deres anvendelse

Pedersen, E. R. (Speaker)

Nov 2013

Tests til bestemmelse af taleforståelighed i støj

Pedersen, E. R. (Speaker)

Nov 2013

International Journal of Audiology (Journal)

Pedersen, E. R. (Peer reviewer)

Jul 2013

Acoustics Australia (Journal)

Pedersen, E. R. (Peer reviewer)

Apr 2013

Bestemmelse af taleforståelighed i støj

Pedersen, E. R. (Speaker)

Apr 2013

Baltic-Nordic Acoustics Meeting 2012

Pedersen, E. R. (Organizer)

18. Jun 2012 → 20. Jun 2012

Speech in Noise Test based on a Ten-Alternative Forced Choice Procedure

Pedersen, E. R. (Speaker)

Jun 2012

Selvbetjent taleaudiometrisk test baseret på materialet Dantale II

Pedersen, E. R. (Speaker)

Sept 2011

Design af musikerhøreværn

Pedersen, E. R. (Speaker)

Sept 2010

Næstformand og kasserer i Dansk Teknisk Audiologisk Selskab (DTAS) (External organisation)

Pedersen, E. R. (Member)

Sept 2010 → Sept 2014