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## Employment

### Department of Clinical Research

1. May 2024 → 30. Apr 2026

### Assistant Professor

KI, OUH, Research unit of Oto Rhino Laryngology (Odense)

1. May 2024 → 30. Apr 2026

### Fitting Audiologist

Widex A/S

Denmark

## Research outputs

### **The effect of hearing aid treatment on health-related quality of life in older adults with hearing loss**

Wolff, A., Houmøller, S. S., Tsai, L.-T., Hougaard, D. D., Gaihede, M., Hammershøi, D. & Schmidt, J. H., Jul 2024, In: International Journal of Audiology. 63, 7, p. 500-509

### **The Relationship Between Tinnitus Annoyance and Work-Related Noise Exposure History in Older Adults With Sensorineural Hearing Loss.**

Houmøller, S. S., Tsai, L.-T., Wolff, A., Narayanan, S. K., Hougaard, D. D., Gaihede, M., Godballe, C. & Schmidt, J. H., 2024.

### **Difference in SII provided by initial fit and NAL-NL2 and its relation to self-reported hearing aid outcomes**

Narayanan, S. K., Rye, P., Houmøller, S. S., Wolff, A., Hougaard, D. D., Gaihede, M., Schmidt, J. H. & Hammershøi, D., 19. Dec 2023, (E-pub ahead of print) In: International Journal of Audiology.

### **A history of occupational noise exposure is associated with steep-slope audiograms and poorer self-reported hearing-aid outcomes**

Houmøller, S. S., Tsai, L.-T., Wolff, A., Narayanan, S. K., Hougaard, D. D., Gaihede, M., Hammershøi, D., Neher, T., Godballe, C. & Schmidt, J. H., 1. Nov 2023, (E-pub ahead of print) In: International Journal of Audiology.

### **Adapting to New Hearing Aids and Hearing Aid Adjustments in Adult Danish Users**

Narayanan, S. K., Houmøller, S. S., Wolff, A., Hougaard, D. D., Gaihede, M., Schmidt, J. H. & Hammershøi, D., 6. Sept 2023, In: American Journal of Audiology. 32, 3, p. 526-542

### **A History Of Occupational Noise Exposure Is Associated With Steep-Slope Audiograms And Poorer Self-Reported Hearing-Aid Outcomes.**

Houmøller, S. S., Tsai, L.-T., Wolff, A., Narayanan, S. K., Hougaard, D. D., Gaihede, M., Hammershøi, D., Neher, T., Godballe, C. & Schmidt, J. H., 23. Aug 2023.

### **ImproHear - improving the Danish Hearing Rehabilitation: a PhD proposal**

Christiansen, S., Houmøller, S. S., Rosenbek Minet, L. & Schmidt, J. H., 19. Aug 2023.

### **Impact of hearing aid technology level at first-fit on self-reported outcomes in patients with presbycusis: A randomized controlled trial**

Houmøller, S. S., Wolff, A., Tsai, L.-T., Narayanan, S. K., Hougaard, D. D., Gaihede, M. L., Neher, T., Godballe, C. & Schmidt, J. H., 1. Jun 2023, In: Frontiers in Aging. 4, 1158272.

**Can real-ear insertion gain deviations from generic fitting prescriptions predict self-reported outcomes?**

Narayanan, S. K., Rye, P., Piechowiak, T., Ravn, G., Wolff, A., Houmøller, S. S., Schmidt, J. H. & Hammershøi, D., May 2023, In: International Journal of Audiology. 62, 5, p. 433-441

**Self-Reported Hearing-Aid Use Patterns in an Adult Danish Population**

Narayanan, S. K., Houmøller, S. S., Wolff, A., Lund, K., Möller, S., Hougaard, D. D., Gaihede, M., Schmidt, J. H. & Hammershøi, D., Apr 2023, In: Audiology Research. 13, 2, p. 221-235

**Value Propositions of Public Adult Hearing Rehabilitation in Denmark**

Lund, K., Ordoñez, R., Nielsen, J. B., Christiansen, S., Houmøller, S. S., Schmidt, J. H., Gaihede, M. & Hammershøi, D., Apr 2023, In: Audiology Research. 13, 2, p. 254-270

**Cost-Effectiveness of Hearing Aid Rehabilitation**

Christiansen, S., Houmøller, S. S., Tsai, L.-T. & Schmidt, J. H., 1. Jun 2022.

**Premium versus Basic Hearing Aid Technology – Does it Make a Difference? A Randomized Controlled Trial**

Houmøller, S. S., Wolff, A., Tsai, L.-T., Narayanan, S. K., Hougaard, D. D., Gaihede, M., Neher, T., Godballe, C. & Schmidt, J. H., 1. Jun 2022.

**Impact of Device Technology Level on Reported Outcomes in Adults with Presbycusis;A Randomized Controlled Trial**

Houmøller, S. S., Wolff, A., Tsai, L.-T., Narayanan, S. K., Hougaard, D. D., Gaihede, M., Neher, T., Godballe, C. & Schmidt, J. H., 10. Apr 2022.

**Prediction of successful hearing aid treatment in first-time and experienced hearing aid users: Using the International Outcome Inventory for Hearing Aids**

Houmøller, S. S., Wolff, A., Möller, S., Narne, V. K., Narayanan, S. K., Godballe, C., Hougaard, D. D., Loquet, G., Gaihede, M., Hammershøi, D. & Schmidt, J. H., Feb 2022, In: International Journal of Audiology. 61, 2, p. 119-129

**Relation Between Self-Reported Outcomes and Real-Ear Insertion Gain as a Function of Generic Fitting Prescriptions.**

Narayanan, S. K., Rye, P., Piechowiak, T., Ravn, G., Wolff, A., Houmøller, S. S., Schmidt, J. H. & Hammershøi, D., 20. May 2021.

**Self-Reported Hearing Aid Effectiveness in Patients with Age-Related Hearing Loss**

Storbjerg Houmøller, S., 26. Apr 2021, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

**Confidence Limits of Word Identification Scores Derived Using Nonlinear Quantile Regression**

Narne, V. K., Möller, S., Wolff, A., Houmøller, S. S., Loquet, G., Hammershøi, D. & Schmidt, J. H., Jan 2021, In: Trends in Hearing. 25

**Predictive Factors for Hearing aid Satisfaction for Experienced and First-time Hearing aid Users: Using the International Outcome Inventory for Hearing aids.**

Houmøller, S. S., Wolff, A., Narne, V., Loquet, G., Hougaard, D. D., Gaihede, M., Hammershøi, D., Godballe, C. & Schmidt, J. H., 25. Jan 2020.

**Health-related quality of life within a cohort of hearing impaired danish adults before and after hearing aid rehabilitation.**

Wolff, A., Schmidt, J. H., Houmøller, S. S., Narne, V., Hougaard, D. D., Gaihede, M., Loquet, G. & Hammershøi, D., 21. Aug 2019.

**Hearing aid satisfaction and differences between self-reported and data logged hearing aid usage time for experienced and first-time hearing aid users.**

Houmøller, S. S., Wolff, A., Narne, V., Loquet, G., Hougaard, D. D., Hammershøi, D., Godballe, C. & Schmidt, J. H., 21. Aug 2019.

### **Better Hearing Rehabilitation (BEAR) Study in Denmark: Introducing the Centralized Clinical Database.**

Loquet, G., Narne, V., Piechowiak, T., Wolff, A., Houmøller, S. S., Hougaard, D. D., Schmidt, J. H. & Hammershøi, D., 22. May 2019.

### **Hearing aid satisfaction and differences between self-reported and data logged hearing aid usage time for experienced and first-time hearing aid users**

Storbjerg Houmøller, S., Wolff, A., Narne, V., Loquet, G., Hougaard, D. D., Hammershøi, D. & Hvass Schmidt, J., 2019. 1 p.

### **Predictive Factors for Hearing aid Satisfaction for Experienced and First-time Hearing aid Users: Using the International Outcome Inventory for Hearing aids**

Storbjerg Houmøller, S., Narne, V. & Wolff, A., 2019, p. 1. 1 p.

### **BEAR: A status on population characteristics of hearing-aid users obtained from the database.**

Houmøller, S. S., Wolff, A., Hougaard, D. D., Hammershøi, D., Godballe, C. & Schmidt, J. H., 23. Aug 2017.

### **National Better hEARing Rehabilitation (BEAR) project:: A status on the database with special focus on patients' motivation on hearing aid treatment.**

Wolff, A., Houmøller, S. S., Gaihede, M., Hougaard, D. D., Schmidt, J. H. & Hammershøi, D., 23. Aug 2017.

## **Teaching portfolio**

### **1. Formel pædagogisk uddannelse**

As part of the PhD program, I completed the following teaching courses at the University of Southern Denmark:

- 'Responsible conduct of research'

Unfortunately, I have never had the opportunity of taking additional teaching courses, but I would in fact be highly interested and willing to take a course during my postdoctoral activities

### **2. Uddannelsesadministrative opgaver**

From August 2021, I will be responsible for the course: "Færdighedstræning" in which students are trained in conducting pure-tone and speech audiometry and other relevant measures before their audiological internships. This training will be carried out on test persons with a hearing loss.

### **3. Erfaring med undervisning, vejledning og eksamen**

#### **TEACHING**

I am or was teaching in the following courses in Audiology:

- 'Hearing aid treatment III; University of Southern Denmark; Bachelor program in audiology (since 2019)
- Færdighedstræning: University of Southern Denmark; Bachelor program in audiology
- Videregående målemetoder, høreapparatbehandling og høreapparatilpasning (tidligere fag på audiologi fra før 2020)
- Videregående audiolgiske målemetoder (tidligere fag på audiologi før 2020)

#### **SUPERVISION**

I am supervisor for 2 bachelor projects and 2 "projektorienteret forløb" assignments. I was co-supervising a master student with regards to the establishment of a REDCap database.

#### **EXAMINATION**

I was co-examiner for the following courses:

- Audiologiske målemetoder II (re-exam); University of Southern Denmark; Bachelor program in audiology

### **4. Metoder, materialer og redskaber**

As my teaching primarily has been related to training students in the lab, my teaching methods mostly contain exercises. These exercises commonly include a short lecture of the theoretical concepts related to the exercise which I present in prepared slides. In lectures with focus on a theoretical concept, I attempt to promote active learning using interactive teaching methods (e.g. open questions, group discussions, group assignments with questions on the lectured topic). My teaching style in general is to actively involve the students in the lecture, thereby creating a more dynamic atmosphere in order to enhance the outcome of the teaching.

### **5. Uddannelsesudvikling og universitetspædagogisk forskning**

I would very much like to further develop my teaching skills by attending a formal pedagogical course offered by the University of Southern Denmark. The length and depth of the course can be discussed and coordinated, so that I can fulfill all required tasks of this postdoctoral position.