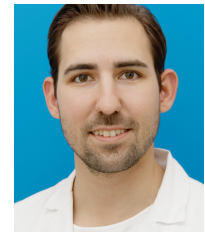


Benjamin ISLER

Dr. med., MD

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Interests in research of the neurophysiology of the human brain during my education led me to focus on the auditory system. Consequently my medical career focused on otorhinolaryngology where I am currently in the career path to become a specialist.

PROFESSIONAL EXPERIENCE

Today September 2019	ENT - Resident University Hospital Zurich, ORL-CLINIC, Switzerland <ul style="list-style-type: none">> Interdisciplinary Tinnitus Research Team> Diagnostics, conservative therapy, pre- and post- surgical management in Otology, Rhinology and Head-, and Neck surgery. <p>ENT Research Tinnitus</p>
September 2019 March 2019	Research fellowship University Hospital Zurich, ORL-CLINIC, Switzerland <ul style="list-style-type: none">> Interdisciplinary Tinnitus Research Team> Focus on MR Spectroscopy <p>ENT Research Tinnitus MR-Spectroscopy</p>
March 2019 March 2018	ENT - Resident Kantonsspital Luzern, ORL-CLINIC, Switzerland <ul style="list-style-type: none">> Audiometry> Diagnostics, conservative therapy, pre- and post- surgical management in Otology, Rhinology and Head-, and Neck surgery.> Surgeries : Paracentesis, myringotomy tube, panendoscopy, tonsillectomy, adenotomy.> Head and Neck ultrasound> Introduction in sleep medicine <p>ENT Sleep medicine Ultrasound</p>

LANGUAGES

German	● ● ● ● ●
English	● ● ● ● ○
French	● ● ● ○ ○
Spanish	● ● ● ○ ○

KNOWLEDGE

- > LaTeX
- > Matlab
- > Adobe Creative Suite
- > SPSS

OUTREACH AND VOLUNTEERING

- 2012 Research associate at policlinique médicale universitaire in Lausanne. Research Topic : QUALICOPC (Quality and Costs of Primary Care in Europe)
- 2012 Research associate at Laboratoire des Sciences Cognitives et Neurologiques (LCNS) at the University Fribourg

CERTIFICATIONS

- 2021 Doctoral Degree (equivalent MD)
- 2017 Federal Diploma in Human Medicine
- 2017 Master of Medicine at the University of Zurich
- 2014 Bachelor of Medicine in human medicine at the University of Fribourg
- 2007 Matura in economics and law at Gymnasium Kloster Disentis (equivalent high-school diploma)

PUBLICATIONS AND PROJECTS

The study aims to review the published literature on the outcome of cochlear reimplantation in both adults and pediatric patients by means of hearing preservation and speech discrimination abilities before and after reimplantation. Based on a selection of previously published articles on audiological outcome after CI reimplantation, we expect that our systematic review will conclude that this procedure is safe and preserves hearing as well as speech perception performance.

Cochlear Reimplantation Revision Cochlear Implant Hearing Preservation

LOWER GLUTAMATE AND GABA LEVELS IN AUDITORY CORTEX OF TINNITUS PATIENTS : A JPRESS MRI SPECTROSCOPY STUDY 2021
in submission

We aim to add new findings to the current knowledge about the pathogenesis of tinnitus. In this study we analyze the concentration and role of several different neurotransmitters in the auditory cortex and adjacent regions using Magnetic resonance spectroscopy and research how they differ in tinnitus and healthy subjects.

Tinnitus MR-Spectroscopy MRI auditory cortex

BILATERAL AGE-RELATED ATROPHY IN THE PLANUM TEMPORALE IS ASSOCIATED WITH VOWEL DISCRIMINATION DIFFICULTY IN HEALTHY OLDER ADULTS 2017 - 2021

DOI : 10.1016/j.heares.2021.108252

In this study we combined behavioral, neurophysiological, and neuroanatomical measurements to primarily investigate elemental speech perception in the aging brain. All participants performed an auditory behavioral discrimination task (formant detection). Additionally, we recorded mismatch responses in a separate passive oddball paradigm. A structural magnetic resonance imaging scan was obtained for each participant to determine cortical architecture and to assess the extend of cortical atrophy.

MRI EEG atrophy aging auditory cortex