

ZOROWKA Patrick Georg, MD

ENT Specialist

Specialist for Voice and Speech Disorders
(Phoniatrics) and for Paediatric Audiology

Allergologist

Current Occupations

Director of the Department of Hearing,
Speech & Voice Disorders of Innsbruck Medical University

Managing Director of the Departments of ENT and Hearing, Speech & Voice Disorders
of Innsbruck Medical University

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Curriculum Vitae

Born

6.12.1953 in Halle a.d. Saale / Germany (formerly German Democratic Republic)

Education and Professional Training

Study of Medicine at the Martin-Luther-University, Halle-Wittenberg (1972- 77)

Post-doctoral Medical Assistent during military service (1977/78)

Professional training for ENT-Specialist at the ENT-Department of the Martin-Luther-
University Hospital at Halle-Wittenberg (1980-85)

Additional special trainings in Audiology, Pedaudiology, Phoniatrics and Allergology
(Certified a specialist of Phoniatrics and Paedaudiology, 1988)

Experience

Assistant Medical Director of the ENT-Department at the University-Hospital, Cologne
(1986-88)

Private ENT-Specialist at Aachen (1988/89)

Assistant Medical Director of the Department of Communication-Disorders at the
Johannes-Gutenberg-University, Mainz (1989-1996)

Research Activities

Audiological assessment of tinnitus

Morphology and pathology of the cochlea

Clinical implementation of Transient Evoked Otoacoustic Emission (TEOAE) for cochlear monitoring

Epidemiology of infant hearing impairment

Programmable hearing-aids (with digital signal processing) in children

Cochlear implants in children

Awards

1980: Forschungspreis des Rektors der Martin-Luther Universität Halle (Scientific Award of the Rector of the Martin-Luther University at Halle)

1995: Annelie Frohn - Preis der deutschen Gesellschaft für Phoniatrie und Pädaudiologie (DGPP) (Annelie Frohn - Prize of the German Society of Phoniatics and Paediatric Audiology)

2007: Förderpreis der Forschungsgemeinschaft Deutscher Hörgeräte-Akustiker (FDHA) (Promotion Award of the Research Community of German Hearing Aid Fitters)

2008: Ernennung zum Korrespondierenden Mitglied der Österr. Gesellschaft für Hals- Nasen- Ohrenheilkunde, Kopf- und Halschirurgie (Corresponding Member of the Austrian Society for Otolaryngology, Head and Neck Surgery)

Selected Publications (since 1990)

Books

Friedrich G, Bigenzahn W, Zorowka P (2005; 3. Aufl.) Phoniatrie und Pädaudiologie, Huber Verlag Bern.

Articles

Zorowka P (2008) Sprachentwicklungsstörungen. Monatsschr Kinderheilkd 156:875–884.

Weichbold V, Zorowka P (2008) Zwangssterilisation bei erblicher Taubheit im Dritten Reich. HNO DOI 10.1007/s00106-008-1814-y

Weichbold V, Zorowka P (2007) Can a hearing education campaign for adolescents change their music listening behaviors? Int Journ Audiol 46:128-133.

- Dossena S, Rodighiero S, Vezzoli V, ..., Zorowka P, et al (2006) Fast Fluorometric Method for Measuring Pendrin (SLC26A4) Cl⁻/I⁻ Transport Activity. *Cell Physiol Biochem.* 18(1-3):67-74.
- Dossena S, Vezzoli V, Cerutti N, ..., Zorowka P, et al (2006) Functional characterization of wild-type and a mutated form of SLC26A4 identified in a patient with Pendred syndrome. *Cell Physiol Biochem.* 17(5-6):245-56.
- Dossena S, Maccagni A, Vezzoli V, ..., Zorowka P, et al (2005) The expression of wild-type pendrin (SLC26A4) in human embryonic kidney (HEK 293 Phoenix) cells leads to the activation of cationic currents. *Eur J Endocrinol* 153(5):693-699.
- Zorowka PG (2005) Disorders of speech development: diagnostic and treatment aspects. *J Neural Transmission (Supplement)* 69:37-49.
- Weichbold V, Zorowka P (2005) Führt eine Schallpegelabsenkung in Diskotheken zu einem Rückgang der Besucher? *HNO* 53(10): 845-851.
- Koester M, Storck C, Zorowka P (2004) Klassifikation, Ursachen und Diagnose des Tinnitus. *MMW-Fortschritte der Medizin* 146 (1-2):23-28
- Hagen R, Lichtenberger G, De Maddalena H, Manni JJ, Zorowka PG, Eckel E (2004) Rehabilitationskonzepte nach Laryngektomie [Rehabilitation Concept after Laryngectomy]. *Laryngorhinootologie* 83(11):780-782
- Marx R, Rausch M, Ring K, Schönweiler R, Zorowka PG, Keilmann A (2004) Die Bedeutung soziokultureller Faktoren für die Sprachentwicklung [The Importance of Socio-cultural Factors for the Development of Speech and Language] *Laryngorhinootologie* 83(11):775-776
- Weichbold V, Zorowka P (2003) Effects of a hearing protection campaign on the discotheque attendance habits of high-school students. *Int J Audiol* 42(8):489-493.
- Koester M, Zorowka P, Wolf S (2003) Neuromonitoring in Thyroid Surgery: The View of the Laryngologist. *European Surgery - Acta Chirurgica Austriaca* 35(5): 246-249.
- Günther B, Steiner A, Nekahm-Heis D, Albegger K, Zorowka P, Utermann G, Janecke A (2003) The 342-kb deletion in GJB6 is not present in patients with non-syndromic hearing loss from Austria. *Hum Mutat* 22(2): 180
- Sainz M, Skarzynski H, Allum JH, Helms J, Rivas A, Martin J, Zorowka PG, et al. (2003) Assessment of Auditory Skills in 140 Cochlear Implant Children Using the EARS Protocol. *ORL J Otorhinolaryngol Relat Spec.* 2003 Mar-Apr;65(2):91-96.
- Weichbold V, Zorowka PG (2003) Stimmstörung und Lebensqualität. Die Münchner Lebensqualitäts-Dimensionen-Liste (MLDL) in der logopädischen Therapieforschung. *Folia Phoniatr Logop* 55(1):10-16.
- Weichbold V, Schmidt A, Zorowka PG (2003) Chronischer Tinnitus und Allergien - Besteht ein Zusammenhang? *Laryngo-Rhino-Otologie* 82:9-12.
- Koester M, Nekahm-Heis D, Zorowka P (2003) Schluckstörungen im Alter. *MMW-Fortsch.Med* (145) 3-4: 45-49

Eggemann C, Koester M, Zorowka P (2002) Hörschäden durch Freizeitlärm. MMW Fortschr. Med. (144), 49: 30-33.

Koester M, Eggemann C, Zorowka P (2002) Hörstörung und Hörgeräteversorgung. MMW Fortschr. Med. (144), 49: 34-38.

Koester M, Nekahm-Heis D, Zorowka P (2002) Frühzeitige Erkennung von Schwerhörigkeit beim Neugeborenen MMW Fortschr. Med. (144), 49: 39-40.

Sittel C, Friedrich G, Zorowka P, Eckel HE (2002) Surgical voice rehabilitation after laser surgery for glottic carcinoma. Ann Otol Rhinol Laryngol 111(6): 493-499

Weichbold V, Zorowka P (2002) Der Einfluß der Information über Gehörgefährdung durch laute Musik. HNO 50(6): 560-564.

Sittel C, Friedrich G, Zorowka P, Eckel HE (2002) Surgical voice rehabilitation after laser surgery for glottic carcinoma. Ann Otol Rhinol Laryngol 111(6): 493-499

Helms J; Müller J; Schön; ...; ... Zorowka P; Stephan K (2001) Comparison of the TEMPO+ ear-level speech processor and the cis pro+ body-worn processor in adult MED-EL cochlear implant users. ORL J Otorhinolaryngol Relat Spec 63(1) 31-40

Sittel C; Eckel HE; Eschenburg C; Vossing M; Pototschnig C; Zorowka P (1998) [Voice quality after partial laser laryngectomy] Laryngorhinootologie 77(4) 219-225

Eckel HE, Richling F, Streppel M, Roth B, Walger M, Zorowka P (1998) Ätiologie mittel- und hochgradiger Schwerhörigkeiten im Kindesalter [Etiology of moderate and profound deafness in childhood] HNO 46(3): 252-263.

Jacob R, Zorowka P, Welkoborsky HJ, et al. (1998) [Long-term functional outcome of Laccourreye hemipharyngectomy-hemilaryngectomy with reference to oncologic outcome] Laryngorhinootologie 77(2) 939-939

Urban PP, Hopf HC, Fleischer S, Zorowka P, Müller-Forell W. Impaired cortico-bulbar tract function in dysarthria due to hemispheric stroke. Functional testing using transcranial magnetic stimulation. Brain 120 (Pt 6) p1077-84

Helms J, Müller J, Schön F, ..., ..., Zorowka P, Stephan K. (1997) Evaluation of performance with the COMBI40 cochlear implant in adults: a multicentric clinical study. ORL J Otorhinolaryngol Relat Spec 59(1) p23-35

Urban PP, Hopf HC, Zorowka PG, Fleischer S, Andreas J (1996) Dysarthria and lacunar stroke: pathophysiologic aspects. Neurology 47(5) 1135-1141

Zorowka PG, Lippert KL. (1995) One-channel and multichannel digitally programmable hearing aids in children with hearing impairment. Ann Otol Rhinol Laryngol Suppl 166 p159-62

Eckel HE; Volling P; Pototschnig C; Zorowka P; Thumfart W. (1995) Transoral laser resection with staged discontinuous neck dissection for oral cavity and oropharynx squamous cell carcinoma. Laryngoscope 105(1) p53-60

- Zorowka P, Weiler S, Wagner W, Heinemann M (1994) [The long-term functional results following velopharyngoplasty as a speech-improving measure] *Fortschr Kieferorthop* 55(4) p202-8
- Eckel HE, Sittel C, Zorowka P, et al. (1994) Dimensions of the laryngeal framework in adults. *Surg Radiol Anat* 16(1) p31-6
- Brinkmann G, Schlitt H, Zorowka P, et al. (1993) Cognitive skills in achondroplasia. *Am J Med Genet* 47(5) p800-4
- Zorowka P, Schmitt HJ, Eckel HE, et al. (1993) Serial measurements of transient evoked otoacoustic emissions (TEOAEs) in healthy newborns and in newborns with perinatal infection. *Int J Pediatr Otorhinolaryngol* 27(3) p245-54
- Zorowka P. (1993) Otoacoustic emissions: a new method to diagnose hearing impairment in children. *Eur J Pediatr* 152(8) p626-34
- Zorowka P, Gall V. (1993) [Improved evaluation of transitory evoked otoacoustic emissions by correlation filtering] *Laryngorhinootologie (Germany)*, Jan 1993, 72(1) p19-23
- Zorowka P, Schmitt HJ, Gutjahr P. (1993) Evoked otoacoustic emissions and pure tone threshold audiometry in patients receiving cisplatinum therapy. *Int J Pediatr Otorhinolaryngol (Netherlands)*, Jan 1993, 25(1-3) p73-80
- Zorowka P, (1992) [Psychogenic hearing disorders in childhood and adolescence] *HNO (Germany)*, Oct 1992, 40(10) p386-91
- Thumfart WF, Pototschnig C, Zorowka P, et al. (1992) Electrophysiologic investigation of lower cranial nerve diseases by means of magnetically stimulated neuromyography of the larynx. *Ann Otol Rhinol Laryngol (United States)*, Aug 1992, 101(8) p629-34
- Zorowka P, Heinemann M, Kraft E. (1991) [Drug therapy of progressive hearing disorders in children] *Laryngorhinootologie (Germany)*, Jun 1991, 70(6) p312-5
- Zorowka P, Jennerjahn B, Kraft E (1991) [Labyrinthitis ossificans after pneumococcal meningitis] *HNO (Germany)*, Jan 1991, 39(1) p37-40
- Zorowka P, Heinemann M. (1990) [Treatment and rehabilitation in juvenile hearing disorders] *Fortschr Med (Germany, East)*, Jul 30 1990, 108(22) p429-32
- Zorowka P, Heinemann M. (1990) [Diagnosis of juvenile hearing disorders]. *Fortschr Med (Germany, East)*, Jul 20 1990, 108(21) p411-4
- Kraft E, Zorowka P. (1990) [Local treatment of encrusted eustachian catheter with N-acetylcysteine]. *Laryngorhinootologie (Germany, West)*, May 1990, 69(5) p289
- Kraft E, Zorowka P. (1990) [Pediatric audiologic-phoniatric aspects of mannosidosis]. *HNO (Germany, West)*, Mar 1990, 38(3) p99-101
- von Wedel H, von Wedel UC, Zorowka P. (1990) Tinnitus diagnosis and therapy in the aged. *Acta Otolaryngol Suppl (Sweden)*, 1990, 476 p195-201

von Wedel H, von Wedel UC, Zorowka P (1989) [Hearing aid selection and fitting from the pediatric audiology viewpoint]. HNO (Germany, West), Oct 1989, 37(10) p397-405

von Wedel H, Strahlmann U, Zorowka P (1989) [Effectiveness of various non-medicinal therapeutic measures in tinnitus. A long-term study]. Laryngorhinootologie (Germany, West), May 1989, 68(5) p259-66