

# Didactic and educational activities and achievements

Prof. H. Skarżyński's **educational achievements encompass nearly all continents**. For many years, he has been conducting teaching activities for students, physicians, speech therapists, psychologists, and clinical engineers from Poland and other countries, at universities, postgraduate schools, and numerous editions of various courses. He is a well-known teacher, often invited to present lectures worldwide, on international congresses, universities, on different scientific events and ceremonies. In his teaching activity, he emphasizes using new information and communication technologies; **he has created the first in Poland specialized e-learning platform for specialists in audiology, phoniatrics, otolaryngology, and related medical specialties (2004)**.

- **Academic teacher with long experience** of teaching at the Medical University of Warsaw (1980–2000);
- **Teacher on the pre-graduate courses** for students (1980–2000) and postgraduate – in otorhinolaryngology, audiology, phoniatrics (from 1983), and speech therapy for the deaf (from 1998);
- **Chairman of the State Examination Committee** in audiology (1994–1998), in audiology and phoniatrics (1998–2001, 2008–2011), neuro-



Prof. Henryk Skarżyński's lecture during the ESPCI Conference (2009)

logopedics (2009–2012), speech and language therapy for the deaf (2010–2012), otorhinolaryngology (since 2011);

- **Instructor and organizer of the continuing education courses for audiologists and ear surgeons** (since 2003) in cooperation with the Hearing and Speech Sciences Laboratory from the Brigham Young University in Provo (USA) and the Department of Communicative Disorders from the East Tennessee State University (USA);
- **Lecturer and co-organizer of the SOBS – College of the Objective Hearing Tests** (since 2003);

The image shows the cover of the magazine 'EuroStyl'. At the top, the title 'EuroStyl' is written in a large, red, serif font. Above it, the text 'NOWE SPOJRZENIE' is written in a smaller, red, sans-serif font. Below the title, the date '04/2012' and the website 'www.e-eurostyl.pl' are on the left, and the price 'Cena 5,90 zł (w tym 8% VAT)' is on the right. The central image is a portrait of Prof. Henryk Skarżyński, a middle-aged man with glasses, wearing a blue and white striped shirt, with his hands clasped in front of him. The background is a blurred laboratory setting with anatomical models. At the bottom, there are several text blocks: 'MIĘDZYNARODOWY ROK SPÓŁDZIELCZOŚCI' with the subtitle 'Najlepsi z najlepszych', 'PODRÓŻE' with the subtitle 'Osiem Cudów Andaluzji', 'LEGNICA' with the subtitle 'Ekologiczna Perła Śląska', and 'TADEUSZ BRZOSOWSKI' with the subtitle 'Tajemniczy Abstrakcjonista'. At the very bottom, the main headline reads 'SUKCES MOTYWUJE PROF. HENRYK SKARŻYŃSKI'. In the bottom left corner, there is a barcode with the ISSN number 1898-2627 and the issue number 9781898262081.

An interview with prof. Henryk Skarżyński (2012)



Pioneering demonstration surgeries in the World Hearing Center in Kajetany (2017)



The Center of Advanced Medical Techniques in the World Hearing Center. Hands-on training in surgical techniques under the instruction of prof. Henryk Skarżyński

- **Creator of the Academy of Otosurgery** (94 editions since 1992) and instructor during the ear microsurgery courses;
- **Co-creator** (with the Maria Curie-Skłodowska University in Lublin) of the **unique university specialization** "logopedics and audiology," and teacher and organizer of teaching at that specialization (since 2007);
- **Initiator of the Post-secondary School of Audiology** **Creator of** at the Institute of Physiology and Pathology of Hearing, which is the post-secondary state school for audioprosthetists (since 2007);



An interview with prof. Henryk Skarżyński (2014)



The Sensory Examination Capsule - for testing hearing, vision, balance, taste, and smell - the product of one of the research and development programs.

- **Creator of the international specialist training courses for ear surgeons – Window Approach Workshop (WAW)** – with the worldwide reach (61 editions since 2007); on these workshops, prof. H. Skarżyński presents lectures and demonstration surgeries – over 1300 before 2021;
- **He presents lectures** for physicians, scientists, and experts during continental congresses and on the invitation of many scientific centers in Europe, North America, South America, Asia, Africa, and Australia;
- **Supervisor of 30 doctoral dissertations** in medicine and life sciences and **12 habilitation dissertations; supervisor of nearly 100 specializations** of 1<sup>st</sup> and 2<sup>nd</sup> degree in otolaryngology, otorhinolaryngology, and audiology & phoniatrics at the Medical University of Warsaw and, since 2000, at the Institute of Physiology and Pathology of Hearing.
- **Organizer** of the first in Poland Center of Advanced Medical Techniques for training in otosurgery, rhinosurgery, and phonosurgery.

**Educational work for society.** An important initiative of prof. H. Skarżyński involves education and promotion of healthy lifestyles and intergenerational solidarity in Polish society. For many years, prof. H. Skarżyński has been popularizing knowledge on hearing disorders in media: TV, radio, press, and the Internet. He persistently brings to the public attention the problems related to hearing and the new possibilities of detecting and treating hearing impairments. For the last nearly 30 years, he has been instrumental in increasing the social awareness of the scale and risks of hearing impairments and language communication disorders and improving the rate of early detection of hearing impairments. Prof. H. Skarżyński's dedication to improving his patients' health conditions also encompasses their quality of life. Treatment of hearing disorders, including multi-specialist rehabilitation, improves patients' communication skills and, consequently, their social relations with family, friends, and co-workers, helping to prevent social exclusion. The large-scale educational actions are implemented in the form of yearly editions of the program **“Health First” (since 2015) and the Congress “Health of Poles” (since 2019).**



I Congress "Health of Poles" 2019

**Educational publishing activities.** For many years, prof. H. Skarżyński has been initiating scientific, informational - educational publications for patients and their families (e.g., the magazine "Słyszę"). He has authored and edited numerous Polish and English-language publications and is the editor-in-chief of scientific journals. The editing portfolio includes publications from the field of otology, audiology, phoniatrics, rhinology, otolaryngology of children and adults, psychology, speech and language therapy, education, clinical engineering, acoustics, biocybernetics, and others.

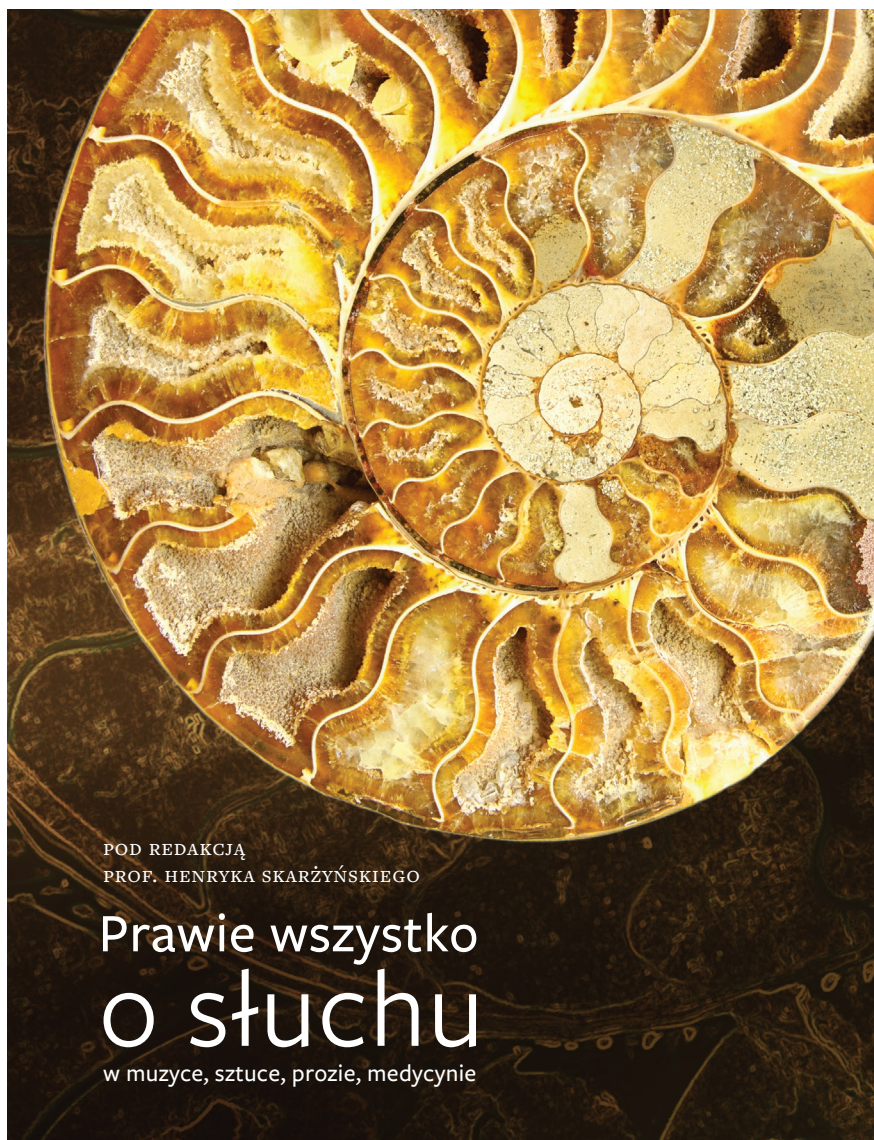
### Research projects supported by the National Science Centre

- PRELUDIUM 14 – „Cumulation of genetic variants in children with prelingual deafness – searching for a new predictive factor for assessment of the effects of treatment of hearing loss with a cochlear implant“ (2018 – 2021)
- SONATA BIS 6 – „Integration of the whole-genome sequencing and animal (zebrafish) model studies to discover new molecular grounds for dominant hearing loss“ (2017 – 2021)



Press Conference after the publication of the Report from the I Congress "Health of Poles" 2019





POD REDAKCJĄ  
PROF. HENRYKA SKARŻYŃSKIEGO

# Prawie wszystko o słuchu

w muzyce, sztuce, prozie, medycynie

8

The cover of the book "Almost All About Hearing in Music, Art, Prose, and Medicine" (2017)

- SONATA 7 – „Evaluation of the usefulness of the assessment of MMP-9 and BDNF genes polymorphisms and their products as biomarkers of neuroplasticity in children with prelingual deafness treated with cochlear implants” (2015 – 2020)
- OPUS 8 – „Assessment of the effects of attention on the inner ear functions” (2015 – 2020)
- OPUS 5 – „Effect of selected parameters of electric-acoustic stimulation of the auditory receptor on the range of sound perception” (2014 – 2017)

- PRELUDIUM 5 – „Assessment of the effectiveness of hearing rehabilitation in children using cochlear implants with regard to school success” (2014 – 2016)
- SYMFONIA 1 – „NeuroPerKog: development of the phonematic hearing and working memory in infants and children” (2013 – 2019)
- PRELUDIUM – „Looking for mutations in the whole mitochondrial genome using the new generation sequencing methods in patients with hearing impairment” (2013 – 2017)



- PRELUDIUM – „Plasticity of the primary, secondary, and auditory association cortex in persons with partial deafness using the electric-acoustic stimulation system” (2013 – 2016)
- PRELUDIUM – „Assessment of medical technology related to the application of cochlear implants in children with hearing impairment” (2013 – 2015)
- SONATA – „Identifying mutations responsible for hearing impairment using the Targeted DNA Capture and the new generation sequencing methods” (2012 – 2016)

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# ŚWIAT lekarza

MEDYCYNĄ · FARMACJĄ · NAUKĄ  
KULTURĄ · PRAWO · POLITYKĄ

**WYDANIE SPECJALNE: OTOLARYNGOLOGIA**

**OTOLARYNGOLOGIA**

STRATEGIA  
LECZENIA  
CZĘŚCIOWEJ  
GŁUCHOTY

WYSIĘKOWE  
ZAPALENIE  
UCHA

**DIABETOLOGIA**

CUKRZYCĘ  
MOŻNA LECZYĆ  
LEPIEJ

PRZESZCZEPY  
TRZUSTKI

**CHOROBY RZADKIE**

CO SIĘ DZIEJE  
Z NARODOWYM  
PLANEM?

PROF. HENRYK  
SKARŻYŃSKI

## Implanty ZMIENIAJĄ ŻYCIE

An interview with prof. Henryk Skarżyński (2015)

- SONATA – „Effect of the habituation training (Tinnitus Retraining Therapy TRT) and neurofeedback on the neural representation of tinnitus co-existing with normal and impaired hearing – QEEG and fMRI study” (2012 – 2015)
- INNOTECH - „Development of new technologies of implantable devices supporting the hearing process” (2012 – 2015)

DR MONIKA DŁUGOSZ-DANECKA  
NADZIEJA NA CAŁKOWITE WYLECZENIE

PROF. JAN KUŚ  
DWA LEKI W IPF TO NIJE JEST ZA DUŻO

PROF. GRAŻYNA RYDZEWSKA  
LECZENIE NIESWOJSTYCH ZAPALEŃ JELIT

# ŚWIAT LEKARZA

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PROF. JACEK JASSEM  
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DR STANISŁAW KARCZEWSKI  
I PROF. HENRYK SKARŻYŃSKI

**II KONFERENCJA  
SENAT RP  
2017**

**NOWOCZESNE  
TECHNOLOGIE  
MEDYCZNE 2017**

- PRELUDIUM – „Verification of the hemispheric dominance of resting wave alpha using the method of simultaneous EEG-fMRI registration“ (2011 – 2014)
- Doctoral advisor research project – „Elaboration of the method of assessing hearing thresholds using the auditory brainstem potentials evoked through the bone conduction“ (2011 – 2012)
- Doctoral advisor research project – „Analysis of the incidence of tinnitus in schoolchildren“ (2011 – 2012)

## Other projects

- A. Project Center Digital Poland – PROJECT: Introducing modern e-services in healthcare units under the supervision of the Minister of Health (2019 – 2021)
- B. Ministry of Science and Higher Education, and the National Centre for Research and Development – PROJECTS (2008 – 2014):
  - the International Center of Research and Treatment of Partial Deafness
  - the World Center of Research and Treatment of Partial Deafness
  - the World Hearing Center



The signing of the European Scientific Consensus on screening tests of hearing, vision, and speech in pre-school and school children (2011)

C. Ministry of Science and Higher Education – PROJECTS:

- Maintenance of the Mobile Sensory Examination Capsule – the device for screening diagnostics of sensory organs (2020 – 2022)
- the System of Integrated Communication Operations – “SZOK” (2020 – 2022).
- Cooperation of senses of hearing and touch in the speech signal processing in cochlear implant stimulation (2018 – 2019)
- Comparison of the usefulness of different electrophysiological methods in detecting retrocochlear hearing disorders (2010 – 2013)



The cover of the book “Equal Opportunities for Children with Communication Disorders in European Countries” (2011)

- Assessment of the status of the cochlea in patients with tinnitus and normal hearing (2010 – 2012).
- D. National Centre for Research and Development – PROJECTS:
- System for detection of the taste and smell disorders based on a self-test at home (2020 – 2022)
  - Integrated system of tools for diagnostics and telerehabilitation of sensory disorders (hearing, vision, speech, balance, test, and smell) acronym INNOSENSE (2014 – 2018)
  - Development of new technologies of implantable devices supporting the auditory processes (2012 – 2015)
- E. Ministry of Health – PROJECT: Training of physicians in the Center for Advanced Surgical Techniques of the World Hearing Center of the Institute of Physiology and Pathology of Hearing in otosurgery, rhinosurgery, phonosurgery, orbital surgery, maxillofacial surgery, and skull base surgery (2018 – 2023)
- F. Ministry of Science and Higher Education and the National Science Centre – PROJECT: A comparison study of the effects of auditory training (stimulation of auditory perception) and training of cognitive functions in children with central auditory disorders (2010 – 2013)
- G. the Mazovian Unit for EU Programmes Implementation – PROJECTS:
- Program of hearing screening for first-grade elementary school students in the Mazovian Voivodeship in 2017/2018 and 2018/2019



Prof. Piotr H. Skarżyński evaluating 1st graders before hearing screening tests

school years. Total of 37 applications for following towns and counties: Radom, Płock, Ostrołęka, Siedlce, Białobrzegi, Ciechanów, Garwolin, Gostynin, Grodzisk Mazowiecki, Grójec, Koźnice, Legionowo, Łosice, Maków Mazowiecki, Mińsk Mazowiecki, Mława, Nowy Dwór Mazowiecki, Ostrołęka, Ostrów Mazowiecka, Otwock, Piaseczno, Płock, Płońsk, Pruszków, Przasnysz, Pułtusk, Radom,

## Program badań przesiewowych słuchu

dla uczniów klas pierwszych szkół podstawowych  
z województwa mazowieckiego w latach 2017–2019

Pod redakcją prof. dr. hab. n. med. dr. h.c. multi  
Henryka Skarżyńskiego

## Hearing screening program

for first grade students of primary schools from  
the Mazovian Voivodeship in the years 2017–2019

Editor: prof. Henryk Skarżyński, M.D., Ph.D., Dr. h.c. multi



INSTYTUT FIZJOLOGII  
I PATOLOGII SŁUCHU





Siedlce, Sierpc, Sochaczew, Sokółów Podlaski, Warsaw West, Węgrów, Wołomin, Wyszaków, Zwolenisk, and Żyrardów.

- Program of hearing screening for first-grade elementary school students in the Mazovian Voivodeship in 2017/2018 and 2018/2019 school years. Total of 4 applications for following towns and counties Lipsko, Przysucha, Szydłowiec, Żuromin.

H. Norwegian Financial Mechanism PL0384 – Priority #5 – Healthcare and Child Care – PROJECT: Program of development of the country-wide network of hearing telerehabilitation (2009 – 2011)

I. Marie Curie actions – Transfer of Knowledge – FP6 – MOBILITY – PROJECT: Remediation of Hearing Loss (2006 – 2010)



Screening for early detection of hearing disorders in schoolchildren on different continents

