# **PROFESSOR HENRYK SKARŻYŃSKI**

Otosurgeon, otologist – a specialist in otorhinolaryngology, audiology, phoniatrics, and pediatric otolaryngology. His clinical, scientific, organizing and social activities brought about numerous scientific, clinical, and other achievements, including groundbreaking milestones in medicine and pioneering solutions on a national, European and global scale. He initiates and develops new directions of research and new standards of therapy in otorhinolaryngology, audiology, phoniatrics, rehabilitation, clinical engineering and acoustics, and especially in the treatment of congenital or acquired hearing impairments. He has implemented into the everyday clinical praxis the results of more than 150 new scientific solutions and conducted to this day the largest in the world number of hearing improving surgeries (more than 210 thousand). He was a signatory of the European scientific consensus statement of universal screening for early detection of hearing disorders in newborns (Milan 1998) and the initiator and primary signatory of European consensus statements on early detection of hearing, vision and speech disorders in schoolchildren and utilization of e-health tools (Warsaw 2011). Later, he has been organizing a screening for these disorders in Europe, Africa, and South America. For 6 years, he has been implementing and developing the largest in the world multispecialty program of health promotion and early detection of civilization disorders in Poland. He is the author and co-author of multiple patents, new technologies, tools, and programs, e.g., telemedical for facilitating the universal – encompassing whole populations – screening tests for early detection of different disorders and for propagating the effective universal preventive policy with participation of citizens and specialists. Prof. H. Skarżyński has organized 7 editions of the International Music Festival for Children, Youths and Adults "Beats of Cochlea", aiming to popularize in the world the knowledge of the newest progress in science and medicine and application of the new technologies in the treatment of different hearing impairments and deafness. To this end, he also wrote the libretto for the musical "Interrupted Silence" and the script for the feature film, which is in production.

Multifaceted activities of prof. H. Skarżyński are met with widespread acclaim in Poland and worldwide, as evidenced by his numerous awards, including several state awards, including Polish decorations, as well several tens of Polish and foreign medals and distinctions. The essence of the more-than-thirty-years-long works of prof. H. Skarżyński is supporting communication between people and its steady development in contemporary societies. Prof. H. Skarżyński is a corresponding member of the Polish Academy of Sciences and the European Academy of Sciences and Arts.

Prof. H. Skarżyński holds an eminent position in the world's scientific literature:

1<sup>st</sup> place worldwide for the keyword *partial deafness* 1<sup>st</sup> place for the keyword *hearing screening – school* 2<sup>nd</sup> place for the keyword *children hearing screening* 3<sup>rd</sup> place for the keyword *hearing – questionnaire* 4<sup>th</sup> place for the keyword *hearing screening*  7<sup>th</sup> place for the keyword *round window*8<sup>th</sup> place for the keyword *hearing*8<sup>th</sup> place for the keyword *hearing implant*8<sup>th</sup> place for the keyword *high frequency hearing loss*9<sup>th</sup> place for the keyword *hearing treatment*9<sup>th</sup> place for the keyword *hearing preservation*

# Professional and scientific career

He graduated from the Medical Academy in Warsaw in 1979. He obtained a doctorate in medicine in 1983, habilitation in 1989, and the title of professor of medical science in 1995. For twenty years (1980–2000) he had been working at the Faculty and Clinic of Otolaryngology of the Medical Academy in Warsaw (presently: the Medical University of Warsaw) on the position of an assistant (1980), senior assistant (1982), assistant professor (1985), associate professor (1990), and extraordinary professor (1993). He was the deputy head of the ward, then head of the ward and deputy head of the Clinic.

National consultant in audiology (1994–1998), later in audiology and phoniatrics (1998–2001 and 2008–2011), and from 2011 – national consultant in otorhinolaryngology.

In the years 1993–1996, he was an organizer and director of the Diagnostic-Treatment-Rehabilitation Center for the Deaf and Hearing Impaired "Cochlear Center" in Warsaw, the second institution of that kind in Europe, providing comprehensive care for people with hearing disorders. Since 1996, he is a director of the Institute of Physiology and Pathology of Hearing that he had initiated, developed the program, and organized. In the years 1999–2003, he was the head of the Clinic of Ear Disorders, and since 2003 head of the Oto-Rhino-Laryngosurgery Clinic of the Institute. In 2003, thanks to his initiative, program, and substantial financial means he has amassed, the International Center of Hearing and Speech in Kajetany near Warsaw was constructed, organized, and opened. It became the first part of the World Hearing Center of the Institute of Physiology and Pathology of Hearing. In 2012, the second part of the World Hearing Center had been constructed and launched based on his program and, in large part, financed with the funds earned by his team. It is a unique institution in that field of science and medicine. Since 2013 in the World Hearing Center under his leadership, the largest in the world number of hearing improving surgeries is being performed (about 12– 15 thousand procedures yearly).

In the years 2002–2018, he was the Chair of Audiology and Phoniatrics at the Fryderyk Chopin University of Music in Warsaw. Later, he has opened in the Institute of Physiology and Pathology of Hearing an international music therapy program supporting particularly the auditory development of patients using different types of hearing implants.

He is an honorary professor of the Brigham Young University in Provo, Utah, USA (1998), doctor honoris causa of the Maria Grzegorzewska University in Warsaw (2011), University of Warsaw (2012), and Maria Curie-Skłodowska University in Lublin (2014). Professor extraordinary of the State Medical and Pharmaceutical University Nicolae Testemiţanu in Kishinev, Moldova (2012), honorary professor of the National Center of Mother and Child in Bishkek, Kirgizstan (2016).

# Scientific and clinical activities and achievements in medicine

Scientific and clinical activities of prof. H. Skarżyński are very widespread and cover 40 years (1980–2020). His achievements include many landmarks that are the milestones in Polish and global medicine. His significant achievements in this field include the steady development of scientific and clinical cadres. He was the promoter of 30 doctoral theses in medicine and health sciences, formal and informal supervisor of 9 habilitation processes, he participated in the scientific output of 7 collaborators who obtained professorates, and supervised nearly 100 specializations in otolaryngology, otorhinolaryngology, audiology, audiology & phoniatrics, and pediatric otolaryngology.

# **Pioneering cochlear implantation surgeries**

As the first surgeon in Poland, prof. H. Skarżyński conducted cochlear implant surgeries in the treatment of total deafness in adults and children (1992). He implanted the first in Poland bone conduction implant BAHA type in a child (1997), auditory brainstem implant ABI that was the fourth at that time in the world, middle ear implant VSB (2003) for treatment of different congenital and acquired cases of deafness and partial deafness. In 2008, together with scientists from Germany and Austria, he conducted in the World Hearing Center the first in the world bilateral implantation of a brainstem implant. Prof. H. Skarżyński has presented numerous hearing improving surgeries, particularly pioneering surgeries, 'live' in a dozen or so countries in Asia, Europe, and South America. Until the present day, he has conducted in the World Hearing Center in Kajetany more than 1.2 thousand transmitted surgeries that had an audience of more than 4.5 thousand specialists from all continents. From 2008, he has been one of the presenting surgeons in the global surgical broadcasts of the LION - Live International Otolaryngology Network – performing demonstration surgeries followed 'live' by the audience worldwide. Altogether, prof. H. Skarżyński has performed more than 210 thousand different hearing improving surgeries; for more than 20 years, he has been performing the largest number of such surgeries in the world.

# Partial deafness treatment – PDT

Prof. H. Skarżyński has developed a novel on a global scale method of preservation of the preoperative residual hearing and treatment of partial deafness (1997–2002). Already in 1997, during the Vth International Cochlear Implant Conference in New York, he presented the first

premises of preservation of the residual hearing and electric and acoustic stimulation in the same ear. In 2000, he presented the results of the first groups of children and adults treated for this type of hearing impairment at the European congress of EUFOS in Berlin and European conference ESPCI in Antwerp. Later, as the first surgeon in the world, he started operating adults (since 2002) and children (since 2004) with classic partial deafness in which good hearing is preserved up to 500 Hz, and the rest of the frequency range is completed by electric stimulation through the cochlear implant (partial deafness treatment - electric complementation PDT-EC). Then, he performed the first in the world surgeries combining electric with natural hearing preserved up to 1500 Hz (2009–2016) – partial deafness electronatural stimulation PDT-ENS thus widening the hitherto standing indications for cochlear implantation to include millions of new patients, particularly seniors – the ever-growing group in the contemporary society. His innovatory on the international scale achievements included the elaboration of a surgical method - "Skarzynski's 6-step method" with a selection of appropriate implant electrodes, including an electrode designed by Skarżyński, and the method of assessment of the postoperative hearing preservation by Skarzynski et al. In 2010, he published the first in the world, comprehensive concept of treatment of different kinds of hearing disorders with classic hearing aids and various hearing implants. In 2014, he presented the updated version allowing for combining the natural and electric hearing. Based on the largest on the global scale clinical material (more than 5 thousand patients), he presented the newest classification of the treatment of the partial deafness that allows for the subsequent changes of the natural hearing both in the operated and in the contralateral ear - PDT-EMS (partial deafness – electric modification stimulation). In the following years (2012–2020), as the first in Poland, or in the world, he introduced to the clinical practice next types and generations of the cochlear, middle ear and bone conduction implants: Vibrant Soundbridge with various attachments, Codacs, Baha Attract, MET, Bonebridge BCI601, and BCI602, and Cochlear Osia 100.

#### **Innovatory clinical solutions**

Prof. H. Skarżyński is a leader in the field of innovative solutions supporting diagnostics, treatment, and rehabilitation of hearing. He is the author and co-author of multiple patents and new implantable devices such as a cochlear implant electrode for treatment of partial deafness (commercially implemented by the largest producer of cochlear implants) and the Skarżyński middle ear prosthesis. In the field of ear surgery, he has authored novel methods and procedures for reconstructive surgery of the middle and outer ear, introduced into clinical practice in many parts of the world. He is an author of the first in the world tool for the assessment of the results of partial deafness treatment (Skarżyński et al. scale) and elaborated the Skarzynski's method for assessment of the surgical treatment of congenital ear malformations and Skarzynski's scale for evaluating the effects of tinnitus therapy. He is the author and co-author of devices and multimedia programs for screening tests of hearing, vision and speech, including the first in the world diagnostic equipment for remote testing of hearing, speech and vision ("I Can Hear," "I Can Speak," "I Can See"), and a device for

comprehensive testing of hearing, vision, taste, smell, balance, and voice, in-the-clinic or through the internet – the Sensory Examination Capsule. Co-author of the "Polymodal Sensory Perception Stimulation according to Skarzynski (PSPS-S)" – the modern auditory training method implemented to clinical practice in the Institute of Physiology and Pathology of Hearing. He authored more than 150 novel clinical solutions that have contributed to the development of hearing implants, otology, ear surgery, audiology, and hearing rehabilitation in Poland and abroad.

# Polish school in otology and otosurgery

The author of the Polish school in otology and otosurgery in the world's science and medicine, particularly concerning the treatment of partial deafness with cochlear implants, innovative applications of middle ear implants, reconstructive middle ear surgery, and surgical treatment of the congenital ear malformations. He has elaborated an all-encompassing concept of treatment of different types of deafness, including the surgical method and specially designed cochlear implant electrodes. He has proved the long-term clinical effects of that treatment on the largest in the world groups od operated patients. Presently, he has the largest in the world clinical material and scientific output (publications – over 4220 positions; congress presentations in this topic – up to 3700).

# **Research and implementation activities**

Research and implementation activities conducted under the leadership and with the participation of prof. H. Skarżyński center on otorhinolaryngology in children and adults, otology, ear surgery, audiology, phoniatrics, rehabilitation, clinical engineering, and related specialties and fields. They concern in particular: early detection of hearing impairments in newborns and infants, treatment of different hearing disorders including total and partial deafness, application of new solutions in active and passive hearing prostheses, new methods and technologies in reconstructive ear surgery and audiology, including telemedicine for telediagnostics, telefitting, and telerehabilitation. Prof. H. Skarżyński's scientific interests also include such topics as fMRI studies of the hearing system, diagnostics of sensory organs, tinnitus, music therapy supporting the rehabilitation of different hearing disorders, particularly in patients using hearing implants, and many others.

#### Early detection of hearing impairments

Early detection of hearing impairments is one of the priorities of prof. H. Skarżyński's research and social works. In the years 1993–1998, he had been developing the research programs on early detection of hearing impairments in newborns. They have demonstrated that the rate of hearing problems in that group is significant, making an immense contribution to the implementation in Poland in 1998 – as one of the first European countries – of the program of universal hearing screening in newborns. In 1998, prof. H. Skarżyński has been the Polish signatory of the European Consensus Statement on Neonatal Hearing Screening signed in Milan, Italy. He initiated the realization of the subsequent Polish programs of early detection of hearing disorders in children beginning school education in 1999. Later, in the years 2007–2020, hearing screening programs have encompassed the whole population of first-graders from rural communities and small towns in Poland. In the years 2017–2019, the entire population of first graders in the Mazovia region has been included in hearing screening tests – it was the first such region in the world. On the initiative of prof. H. Skarżyński, in the years 2010–2019, hearing screening tests have also been performed in over 20 countries in Europe, Asia, Africa, and South America.

#### Activities in the field of health and social policies

Prof. H. Skarżyński has initiated several programs that affected the health and social policies in the European Union. During the Polish Presidency in the EU in 2011, he initiated and coordinated the scientific and organizational works related to the program "Equal opportunities for children with communication disorders in European countries," which he had put forward and which has become a main priority of the Polish presidency. A leading achievement of these activities has been the adoption by the representatives of all European national scientific societies and European federations of audiologists, phoniatricians and speech therapists, as well as the European ophthalmology expert group, of the important international documents: the European Consensus Statement on Hearing, Vision and Speech Screening in Pre-School and School-Age Children and the European Consensus Statement on Hearing Screening of Pre-School and School-age Children. These documents were signed on 22 June 2011 in Warsaw. The next important document signed thanks to the initiative and involvement of prof. H. Skarżyński was the "EU Council Conclusions on Early Detection and Treatment of Communication Disorders in Children, Including the Use of e-Health Tools and Innovative Solutions" signed in Brussels on 2 December 2011. That document was adopted following the recommendation of the ministers of health of the EU, to whom prof. H. Skarżyński has presented the program of early detection of hearing, vision, and speech disorders during the meeting of the EU Ministers of Health in Sopot on 5–6 July 2011.

#### Organization of the first in the world National Network of Teleaudiology

In 2000, prof. H. Skarżyński had conducted the first in the regular clinical practice teleconsultations in otorhinolaryngology, audiology, and rehabilitation. The program – based on the application of the newest achievements and possibilities of telemedicine – has been subsequently extended to include, in 2004, the original, first in the world "Home Rehabilitation Clinic" for remote rehabilitation of hearing in patients provided with different types of hearing implants. In 2007, the modern telemedicine was enriched by the first in world program of remote fitting of cochlear implants – telefitting. These two innovative programs won the main award in the 21<sup>st</sup> Century Achievement Award in the Computerworld Honors Program in Washington in 2010 and the Prix Galien Award in Monte Carlo (Monaco) in 2014 – considered in the field to be comparable to the Nobel Prize.

#### National and international research projects

Prof. H. Skarżyński has been the leader and chief executor of more than 100 different national and international research projects – research grants, targeted programs of the Ministry of Science and Higher Education, Ministry of Health, State Committee for Scientific Research, National Science Centre, National Centre for Research and Development and others. The most important projects were:

- New materials for reconstructive ear surgery (1993);
- Program of aid for people with hearing impairments in (1994);
- Program "Development of standards for screening tests aimed at early detection of hearing disorders in newborns and infants" (1995–1998);
- The international research program "Concerted Action on Otoemissions" (1996);
- Project "New methods of diagnostics and treatment of hearing disorders using the technology of digital processing of a phonic signal" (1996);
- The targeted program "Creation of the National Center of Tinnitus" (1997–2000);
- Programs for early detection of disorders of hearing, vision, and speech ("I Can Hear," "I Can Speak," "I Can See") developed in collaboration with the team from the Gdansk University of Technology led by prof. Andrzej Czyżewski;
- Projects applying innovative tools for conducting screening tests aimed at early detection of hearing disorders in children starting school education;
- Program of treatment of different types of partial deafness and construction of infrastructure for the World Hearing Center (2008–2012);
- Creation of the first in the world National Network of Teleaudiology (2007–2010);
- "Integrated system of tools for diagnostics and telerehabilitation of sensory organs' disorders – hearing, vision, speech, balance, taste, smell";
- Sense Examination Platform for testing hearing, vision, and speech;
- Sensory Examination Capsule for testing hearing, vision, balance, taste, and smell.

# International collaboration for medical development

From the very start of his professional life, prof. H. Skarżyński undertakes actions aimed at establishing international and national collaboration for health care and promotion, and disease prevention employing novel diagnostic and treatment techniques. Scientific collaboration also involves education, including scientific exchange, organization of training, conferences, and workshops, exchanging experiences with other experts. One of the most crucial international actions has been initiating, together with the scientists from Innsbruck, Vienna, Wurzburg, Frankfurt, and Antwerp, creation of the worldwide network of modern otology and audiology centers – HEARRING that comprises today the leading centers in Europe, both Americas, Asia, and Australia. The group creates and conducts joint research programs, major clinical implementations, and expert training system, also at the yearly conferences organized on different continents. The HEARRING group regularly elaborates and implements guidelines and recommendations for the application of newest technologies,

criteria for selecting the new target groups of patients for treatment with different implantable systems, hearing monitoring programs, and applications of the newest telemedical solutions.

# Teaching activities and achievements

Prof. H. Skarżyński education achievements encompass nearly all continents. For many years, he has been conducting teaching activity 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 all over the world, 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 specialites (2004).

- For many years he has been teaching at the Medical University of Warsaw (1980– 2000);
- Teacher on the pre-graduate courses for students (1980–2000) and postgraduate in otorhinolaryngology, audiology, and phoniatrics (from 1983), as well as speech therapy for the deaf (od 1998);
- Chairman of the State Examination Committee in audiology (1994–1998), in audiology and phoniatrics (1998–2001, 2008–2011), neurologopedics (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);
- Creator of the Academy of Otosurgery (86 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);
- The initiator of the Post-secondary School of Audiology at the Institute of Physiology and Pathology of Hearing, which is the post-secondary state school for audioprosthetists (since 2007);
- Creator of the international specialist training courses for ear surgeons Window Approach Workshop (WAW) – with the worldwide reach (60 editions since 2007); on these workshops, he presents lectures and demonstration surgeries;

- 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 theses in medicine and life sciences and 9 habilitation dissertations; supervisor of nearly 100 specializations on the 1<sup>st</sup> and 2<sup>nd</sup>-degree studies in otolaryngology, and audiology, and phoniatrics at the Medical University of Warsaw and, since 2000, at the Institute of Physiology and Pathology of Hearing.

#### Educational work for the society

A vital initiative of prof. H. Skarżyński involves education and promotion of healthy lifestyles and inter-generational 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 detection and treatment of hearing impairments. He has been instrumental, for the last nearly 30 years, 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 the health conditions of his patients 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 their 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). In 2021, on the occasion of the 25th anniversary of the Institute of Physiology and Pathology of Hearing, he initiated and organized a series of scientific-training conferences, "The science for the Society."

#### **Educational publishing activities**

For many years, prof. H. Skarżyński has been initiating scientific and informational and 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.

#### Organizational activities and achievements

Prof. H. Skarżyński is an excellent organizer, as show his numerous pioneering initiatives in creating medical centers, organization of the wide-scale hearing screening tests on nearly all continents, as well as national and global scientific and social events that affect the progress

of audiology and otosurgery in Poland and, in the first place, the health of the society. He was the initiator and organizer of:

# **Medical centers:**

- the second in Europe Diagnostic-Treatment-Rehabilitation Center for the Deaf and Hearing Impaired "Cochlear Center" in Warsaw (est. 1993); the Center was established with the support of the Association of Friends of the Deaf and Hearing Impaired "Homo – Homini" (est. 1993) and the Foundation of Medical Development "Homo – Homini" (est. 1990) created prof. H. Skarżyński;
- departmental Institute of Physiology and Pathology of Hearing (est. 1996); he is the director of this Institute from its establishment;
- International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing (2003) – the first part of the World Hearing Center complex (2012), which is today the largest in the world center for otology and otosurgery – since 2003, there is the largest in the world number of hearing improving surgeries performed there; prof. H. Skarżyński has been the director of the Center from its opening in 2003;
- Bioimaging Research Center of the Institute of Physiology and Pathology of Hearing in Kajetany (2009).

# Preventive healthcare programs:

- Broadly targeted programs of screening tests and hearing loss prevention: besides newborn hearing screening programs, prof. H. Skarżyński has initiated and organized during the last 20 years multiple programs of early detection of hearing impairments in schoolchildren in Poland and abroad in 22 countries in Asia, Europe, Africa, and South America. In Poland, during the last 20 years, more than 1.5 million children have been included in hearing screening programs.
- "Multispecialty program of preventing civilization diseases and promoting the health of Poles Health First" the most significant preventive healthcare project in Poland and globally, realized, from 2015, with the Polish Radio and regional TVP stations.

# National, international, continental, and worldwide scientific meetings – congresses, conferences, symposia, workshops, and courses:

- International scientific conferences in the field of hearing implants and audiology (1993– 1998);
- 6th International Conference "Selected Contemporary Problems of Physiology and Pathology of Hearing" in Mikołajki (1999);
- 7th International Conference on Cochlear Implants and Related Audiological Sciences in Kajetany (2003);
- International Conference on Telemedicine and Multimedia Communication (3 editions 2003–2005);

- 9<sup>th</sup> European Conference on Paediatric Cochlear Implantation ESPCI (2009);
- 10<sup>th</sup> European Federation of Audiology Societies Congress EFAS (2011);
- International Scientific Conference and Workshop "Music in human auditory development" (7 editions 2015 – 2021);
- 1<sup>st</sup> World Tinnitus Congress & 12<sup>th</sup> International Tinnitus Seminar (2017);
- demonstration operations for implanting a new middle ear implant system Vibrant Soundbridge type during the International BONEBRIDGE symposium & SOUNDBRIDGE (2017);
- XXV International Evoked Response Audiometry Study Group Biennial Symposium (2017);
- 4<sup>th</sup> International Symposium on Otosclerosis and Stapes Surgery (2018);
- 32<sup>nd</sup> Politzer Society Meeting (2019);
- 2<sup>nd</sup> Word Congress of Otology (2019);
- I Congress "Health of Poles" (2019);
- II Congress "Health of Poles" (2020);
- III Congress "Health of Poles" (2021);
- In 2022, he will preside over the XXXV World Congress of Audiology in Warsaw.

Moreover, he was the organizer of 32 other international scientific conferences in Poland, 131 scientific training workshops, 25 international bilateral symposia (Polish-American, Polish-Belgian, Polish-British, Polish-Danish, Polish-French, Polish-German, Polish-Norwegian, Polish-Russian, Polish-Tajikistani, Polish-Ukrainian, Polish-Uzbek), 6 editions of the international Functional Endoscopic Sinus Surgery Course, 3 editions of the scientific conference "Guidelines in Otolaryngology, Audiology, and Phoniatrics," and many others.

#### Social events

In 2015, he initiated and organized the first in the world International Music Festival of Children, Youths and Adults with Hearing Disorders "Beats of Cochlea," addressed to people who are deaf or profoundly hearing impaired but have regained hearing thanks to implants and can develop their artistic abilities. The Festival has been successfully organized for 7 years, and today is the musical and scientific event known worldwide. Its finalists participated with prof. H. Skarżyński in special sessions of the European Parliament in 2018 and 2019.

Prof. H. Skarżyński is the author of the libretto of the musical "Interrupted Silence" (premiere in September 2019 in the Warsaw Chamber Opera). The Musical shows the everyday lives, dreams, and tragedies of people with hearing impairments; it is a manifestation of the power of music and the effect of the newest achievements of science and medicine on peoples' lives. Besides the musical, prof. H. Skarżyński has authored several scripts of documentary and instructional films, occasional poetry, songs, occasional performances, and others. He wrote the novel 'The Return of Beethoven', dedicated to the achievement of science and medicine, presenting the lives of contemporary protagonists who have recovered hearing and can hear and create wonderful musical works. The novel has been published on Ludwig van Beethoven's 250th birthday.

Prof. H. Skarżyński has initiated and organized twice the event of setting the Guinness World Record for the "Largest gathering of people with medical ear implants" in 2012 and 2017 – during the celebrations of the subsequent anniversaries of the first in Poland cochlear implantation.

# Memberships and functions in the formal groups and scientific societies, nongovernmental organizations, editorial committees, advisory, and expert bodies

Prof. H. Skarżyński's dedication and high scientific position are evident in his membership in several tens of the most prestigious national and international scientific bodies, societies and committees, associations, and Polish non-profit organizations. For many years, he has been associated with one of the most prestigious Polish scientific institutions – the Polish Academy of Sciences, which has bestowed him the honorable status of a corresponding member (2019). Earlier, he had been the president of the Polish Academy of Sciences Committee of Clinical Pathophysiology (2007–2010) and president of the Polish Academy of Sciences Clinical Science Committee (2011–2020). Outside Poland, he has been admitted to the prominent European Academy of Sciences and Arts in 2019 and 2012, as the first Pole in history, to one of the two oldest and most prestigious American scientific societies – the American Otological Society (AOS), existing continuously since 1868. In 2015, he became the first Polish member of the American Scienciel Society (ANS). In the years 2006–2020, prof. H. Skarżyński was a member of the Scientific Council of the Polish Minister of Health, and since 2012 he is a member of the Central Commission for Scientific Degrees and Titles.

# Membership in foreign societies, committees, and scientific councils:

- Member of the European Academy of Sciences and Arts (Academia Scientiarum et Artium Europea) (since 2019);
- Honorary member of the ORL Danube Society (since 2019);
- Founding member of the WHO's World Hearing Forum (since 2018);
- International Society for Telemedicine and eHealth ISfTeH (since 2016);
- American Neurotology Society (ANS) first Polish member (since 2015);
- American Cochlear Implant (ACI) Alliance (since 2013);
- Mediterranean Society of Otology and Audiology (since 2013);
- American Otological Society (AOS) first member from Poland of one of the two oldest (est. 1868) American medical societies (since 2012);
- Society for Middle-Ear Disease SMED (since 2012);
- Neurootological and Equilibriometric Society (since 2012);
- Politzer Society (since 2010);

- President of the European Federation of Audiology Societies (EFAS) (2011);
- Honorary member of the Cuban Society of Otolaryngology-Head and Neck Surgery (since 2009);
- International Academy of Otolaryngology IAO (since 2009);
- Board Member of the European Academy of Otology and Neuro-Otology EAONO (2009–2014);
- Founding member of the Hearring Group (since 2008);
- International Society of Audiology ISA (since 2007);
- European Society of Magnetic Resonance in Medicine (since 2006);
- European Society for Artificial Organs (since 2005);
- Representative of Poland in the European Federation of Audiology Societies EFAS (2004–2019);
- European Federation of Audiology Societies EFAS (since 2002);
- International Evoked Response Audiometry Study Group IERASG (od 1999);
- Founding member of the European Academy of Otology and Neuro-Otology EAONO (since 1998);
- Honorary member of the Slovak Society of Otolaryngology-Head and Neck Surgery (since 1998);
- Association for Research in Otolaryngology ARO (since 1996);
- American Tinnitus Association ATA (since 1995);
- New York Academy of Science (since 1995);
- American Academy of Audiology AAA (since 1994);
- Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum CORLAS (since 1994);
- Scientific advisor of the Foundation of Help for Children with Hearing Disorders FANDA in Buenos Aires, Argentina (since 1994);
- European Association of the Tissue Banks EATB (since 1990).

# Memberships and functions in societies, committees, commissions, councils, expert groups, and other scientific bodies:

- Member of the Program Council of the Warsaw University of Technology Centre for Advanced Studies Advisory Council (since 2021–2024);
- member of the Committee of Biocybernetics and Biomedical Engineering of the Polish Academy of Sciences (since 2020);
- Vice-president of the Polish Academy of Sciences Clinical Science Committee (since 2020);
- President of the Board of the Foundation "Pro Polonia" (since 2020);
- President of the University Board of the Cardinal Wyszyński University in Warsaw (since 2020);
- Member of the Expert Council of the Ombudsman for Patient Rights (since 2020);
- President of the Program Council of the Congress "Health of Poles" (since 2019);

- Corresponding member of the Polish Academy of Sciences (since 2019);
- Member of the chapter of the Polish Promotional Emblem "Poland. Now" (since 2019);
- Honorary Member of the Polish Medical Association "Pleno Titulo" (since 2019);
- Member of the Council of the Maria Grzegorzewska University (since 2019–2020);
- Member of Scientific Council of the National Geriatrics, Rheumatology and Rehabilitation Institute (since 2018);
- Founder and President of the "Po Pierwsze Zdrowie" Foundation (2018);
- Delegate to regional conventions of the Regional Medical Chamber in Warsaw (2018– 2022);
- President of the Polish Society of Pediatric Otolaryngology (since 2017);
- Member of the Scientific Council of the Main Medical Library (since 2016);
- Member of the Honor Council of the Foundation I AM AN OPTIMIST (od 2016);
- Member of the Program Council of the Warsaw University of Technology Centre for Advanced Studies Advisory Council (2016–2020);
- Member of the Council for Senior Policy at the Ministry of Labour and Social Policy (2016–2020);
- Deputy Chairman of the Main Council of the Research Institutes (since 2013);
- Member of the Central Commission for Scientific Degrees and Title (since 2012);
- National consultant in otorhinolaryngology (since 2011);
- President of the State Examination Committee for Otorhinolaryngology (since 2011);
- Chairman of the commission preparing the otorhinolaryngology specialization program (since 2011);
- Expert of the Agency for Health Technology Assessment and Tariff System (AOTMiT) (since 2011);
- President of the Polish Academy of Sciences Clinical Science Committee (2011–2020);
- Member of the Supreme Medical Council (2010–2013);
- President of the State Examination Committee for the speech and language therapy for the deaf (2010–2012);
- President of commissions preparing specialization programs in neurologopedics and speech and language therapy for the deaf (2010–2011);
- Honorary Member of the Polish Society of Otolaryngologists Head and Neck Surgeons (since 2010);
- National consultant in otorhinolaryngology and president of the State Examination Committee for Otorhinolaryngology (since 2011);
- Founder of the Profesor Henryk Skarżyński's Foundation "Słyszę" (2010);
- President and member of the Audiology Section of the Polish Society of Otolaryngologists Head and Neck Surgeons (2010–2018);
- President of the State Examination Committee for neurologopedis (2008–2011);
- President of the Polish Academy of Sciences Committee of Pathophysiology of Hearing, Speech and Communication Disorders (2007–2012);

- National consultant in audiology and phoniatrics (2007–2011);
- President of the State Examination Committee for audiology and phoniatrics (2007– 2011);
- President of the Polish Academy of Sciences Committee of Clinical Pathophysiology (2007–2010);
- Member of the Scientific Council of the Foundation Orange (since 2006);
- Member the Scientific Council of the Minister of Health (2006–2020);
- Member of the Program Council of the Polish Society of Audioprosthetists (since 2002);
- Member of the Council of the Department of Vocal and Acting Studies, the Fryderyk Chopin University of Music (2002–2018);
- President of the Academy of Polish Success Foundation (since 2000);
- Member of the Polish Skull Base Surgery Society (since 1999);
- Member of the Scientific Council of the Centre of Postgraduate Medical Education (1999–2002);
- Founding member of the Polish Society for Biomedical Engineering (since 1998);
- Member of the team of experts of the Ministry of Health for accreditation of the residency programs in audiology and phoniatrics (since 1998);
- National consultant in audiology and phoniatrics (1998–2001);
- President of the State Examination Committee for audiology and phoniatrics (1998–2001);
- Member of the Polish Academy of Sciences Committee of Acoustics (1996–2007);
- Founding member and president of Polish Scientific Society of Hearing, Voice and Language Communication Disorders (since 1996);
- Member of the Polish Academy of Sciences Committee of Acoustics (1996–2007);
- National expert in audiology (1994–1998);
- President of the State Examination Committee for audiology (1994–1998);
- Member of the State Examination Committee for phoniatrics (1994–1998);
- President of the Council of the Association of Friends of the Deaf and Hearing Impaired "Homo – Homini" (since 1993);
- Member and president of the Board of the Foundation of Medical Development "Homo Homini" (since 1990);
- Member of the Council of the I Faculty of Medicine, Medical University of Warsaw (1989–2000);
- Member of the authorities of the Warsaw section, the board of directors, main audit board, president, and member of the Board of the Audiology Section in the Polish Society of Otolaryngologists Head and Neck Surgeons (1983–2019).

# Membership in editorial boards and scientific editorial boards of Polish-language journals

- Editor-in-Chief of the scientific journal "Nowa Audiofonologia" (since 2012);
- Editor-in-Chief of a two-month magazine "Słyszę" (since 1997);

- Editor-in-Chief of the "Biuletyn Cochlear Center" (1995);
- section editor of the scientific journal "Człowiek Niepełnosprawność Społeczeństwo";
- member of the scientific editorial board of "Przegląd Pediatryczny";
- member of the advisory board of the monthly "Medyk";
- member of the advisory board of the monthly "Gabinet Prywatny";
- member of the scientific editorial board of the quarterly "Wideochirurgia i Inne Techniki Małoinwazyjne";
- member of the scientific editorial board of the scientific journal "Audiofonologia";
- member of the scientific editorial board of the "Zdrowie Mężczyzny";
- member of the scientific editorial board of the "Służba Zdrowia";
- member of the scientific editorial board of the "Medi Science Polski Biuletyn Medyczny."

# Membership in editorial boards and scientific editorial boards of journals in other languages

- Editor-in-Chief of the "Journal of Hearing Science" (since 2011);
- Editor-in-Chief of the international quarterly magazine "Central and East European Journal of Oto-Rhino-Laryngology and Head and Neck Surgery" (1995–2000);
- member of the Editorial Board of "International Journal of Molecular Science" (since 2021);
- editor of the "Congress Tribune" (2009);
- member of the international editorial board "Journal of International Advanced Otology" (since 2010);
- member of the international editorial board "American Journal of Otology & Neurotology" (1995–2005);
- member of the editorial board of the scientific journal "Журнал Гродненского государственного медицинского университета" (of the Medical University in Grodno, Belarus);
- member of the international board of the "ENT-News."

# Decorations, awards, distinctions

In the years 1983–2020, prof. H. Skarżyński has received numerous awards for scientific, implementation, and clinical achievements that have a deep social and economic impact. He is the laureate of over 400 distinctions awarded in Poland and other countries. Among them, there are the highest Polish, foreign and international state decorations and awards bestowed by the President of Poland, Prime Minister, or Senate. Prof. H. Skarżyński has received numerous departmental awards and distinctions and awards bestowed by national and

international scientific and medical circles and by international chapters and supranational institutions such as the European Commission. Since 2001, prof. H. Skarżyński has been present on all editions of the list of hundred most influential people in Polish medicine and healthcare, published yearly by the magazine "Puls Medycyny": eleven times he has held one of the first ten places on the list, twice – the first place and four times the second place.

### **Polish state decorations**

- 2018 Medal of the Centenary of Regaining Independence
- 2012 Polonia Restituta Commander's Cross
- 2006 Polonia Restituta Officer's Cross
- 2000 Polonia Restituta Knight's Cross
- 1977 Bronze Cross od Merit

#### Foreign state decorations

- 2013 Medal "Pro Ecclesia et Pontifice" bestowed by Pope Francis
- 2011 Medal of Honor bestowed by the President of Georgia Micheil Saakaszwili
- 2010 Officer's Cross of the Medal for Inventiveness "Finis Coronat Opus" awarded by the High Commission of the Invention Award of the Kingdom of Belgium
- 2009 Medal "For Merits" 3<sup>rd</sup> degree awarded by the president of Ukraine Wiktor Juszczenko
- 2008 Officer's Cross of the Medal for Inventiveness "Labor Improdus Omnia Vincit" awarded by the High Commission of the Invention Award of the Kingdom of Belgium
- 2005 Knight's Cross of the Medal for Inventiveness "Tantae Molis Erat" awarded by the High Commission of the Awards of the Kingdom of Belgium

# Other medals, awards, and decorations, Polish and foreign, received individually or as a team leader

- Prof. Henryk Skarzyński is a member of a team that took the first place in the competition 'Golden Scalpel' for the project 'Functional reconstruction of hearing using the hearing implant Bonebridge 602 and bioactive glass'.
- The title 'Personality of the Decade', granted by the magazine 'Personalities and Successes' in a 'Personalities and Successes of 2021' competition, for conducting the first cochlear implantation operations in Poland and Central and Eastern Europe in deaf people and for the world's first cochlear implantation operations in people with partial deafness (individually).
- 2<sup>nd</sup> place in the competition '100 Years of Medical Innovations in Poland' for prof. Henryk Skarżyński, 'worldwide known otosurgeon who, as the first in Poland and in the Central and East Europe performed cochlear implantation restoring hearing to a deaf person in 1992, and as the first in the world performed cochlear implantation in partial deafness in

an adult in 2002 and in a child two years later'; competition organized by 'Rzeczpospolita' in cooperation with the Philips Polska (individually).

- 1<sup>st</sup> place in the competition 'Safe Hospital of the Future Inspirations 2020' in the category 'innovative products and e-services improving the quality of life and health' for the World Hearing Center of the Institute of Physiology and Pathology of Hearing in Warsaw for the project 'Sensory Examination Capsule' intiated by prof. H. Skarżyński; competition organized by the IDEA Trade company in cooperation with 'Dziennik Gazeta Prawna' newspaper (team leader).
- Medal of Nicolaus Copernicus awarded by Association of Polish Banks in a recognition of the 25th anniversary of the Institute of Physiology and Pathology of Hearing and its special merits to Poles' health (team leader).
- 2<sup>nd</sup> place in the category Science in the plebiscite organized on 20th anniversary of 'Newsweek' to choose people who had the largest impact on our social life in the last twenty years (individually).
- The Eagle of the Century of 'Rzeczpospolita' in the category 'Science' for prof. Henryk Skarżyński – creator and director of the Institute of Physiology and Pathology of Hearing, one of the most important Polish doctors and scientists, as the prize jury emphasized in its statement (individually).
- Prof. Henryk Skarżyński awarded the Welconomy Emerald ('Emerald of Hope') the prime award of the Welconomy forum in Torun, presented by the President of the Welconomy Program Board during the XXVIII edition of the Forum (individually).
- Prestigious distinction for prof. Henryk Skarżyński awarded by the Iraqi Society of Otorhinolaryngologists Head and Neck Surgeons for contribution to education and support of the Iraqi specialists (individually).
- Award for the Sensory Examination Capsule during the XXIII Competition 'Polish Product of the Future' organized by the Polish Agency for Enterprise Development PARP and the National Centre for Research and Development (team leader).
- The title 'Visionary in Health' awarded by the weekly magazine 'Do Rzeczy' in the category 'visionary in telemedicine and new technologies' (individually).
- Economy Award of the President of Poland for prof. Henryk Skarzynski individual award for the outstanding contributions to the development of the Polish economy and entrepreneurship.
- Award "Success of the year in Healthcare Leaders of Medicine" granted to the Institute of Physiology and Pathology of Hearing (team leader).
- Title "Leader of the Year 2020 in Healthcare innovative hospital" for the Institute of Physiology and Pathology of Hearing in Kajetany granted in the competition "Success of the Year in Healthcare – Medical Leaders" organized by Termedia publishing house, and editorial boards of "Menadżer Zdrowia" and "Kurier Medyczny" (team leader).

Prof. Henryk Skarżyński 2<sup>nd</sup> on the "List of Hundred 2020" most influential people in Polish medicine in a plebiscite organized by the journal "Puls Medycyny."

# 2020

- Award of the Marshal of Masovian Voivodeship (Adam Struzik) for invaluable contributions for developing and cherishing Mazovian traditions and culture, and for successful promotion of our region in Poland and abroad (individually).
- The first award in the competition "The Warsaw Award for Culture Education 2020" in the category "other excellent projects" for the musical "Silence Interrupted" (individually).
- The medal of the Polish Academy of Sciences for the Institute of Physiology and Pathology of Hearing "for the outstanding merits in the development of Polish and world science related to the social role of science" (team leader).
- Economy Award of the President of Poland the Individual Award for persons distinguished for their outstanding merits for the development of the Polish economy and entrepreneurship.
- Award "Leaders of change in healthcare. Leaders of VBHC" for the Institute of Physiology and Pathology of Hearing in the category efficient health prevention and education (team leader).
- Medal of the 100-years of the Polish Olympic Committee as an expression of recognition and gratitude for medical aid for Polish athletes and respect for the scientific achievements Professor Henryk Skarżyński.
- Prof. Henryk Skarżyński and the World Hearing Center in Kajetany listed among 25 Polish innovators in the ranking of the "My Company Polska" monthly magazine "showcasing companies with the outstanding innovatory gene, whose ideas are changing, or are going to change our reality".
- Chapter about prof. Henryk Skarżyński in the book "Masters of Science about scientific teams" edited by M. Bimel and I. Bimel.
- Prof. Henryk Skarżyński 2<sup>nd</sup> on the "List of Hundred 2019" most influential people in Polish medicine in a plebiscite organized by the journal "Puls Medycyny."

- Award of the Rector of the Medical University of Gdańsk (prof. M. Gruchała) for the coauthors of the textbook "Zarys otoneurologii" [Principles of Otoneurology] edited by prof. W. Narożny and prof. H. Skarżyński II degree diploma for didactic and teamwork achievements (individually).
- "Promotional Emblem of the White Eagle Foundation" bestowed by the chapter of the Emblem (individually).

- Honorary badge "For Merits in Innovation" awarded by the Prime Minister of Poland (individually).
- Diploma awarded by the Ministry of Investments and Development for commitment and participation in the Town of European Funds organized on the Open Days of the European Funds (team leader).
- Distinction for Skarżyński's original method of partial deafness treatment (PDT) it has been listed in a special study as one of the greatest achievements of science and innovation in Poland: "Science in Poland in 34 Snapshots", Warsaw: Narodowa Agencja Wymiany Akademickiej; 2019 (individually).
- Award "Special Vector of the 30<sup>th</sup> Anniversary" for economic achievements and contributions to the development of Polish entrepreneurship in the last 3 decades, and for helping thousands of persons suffering from hearing disorders, bestowed on the occasion of 30<sup>th</sup> anniversary of the Confederation of Polish Employers (individually).
- Distinction of the Scientific Faculty of the European Symposium of Pediatric Cochlear Implantation (ESPCI) in Bucharest (individually).
- Award "Ambassador of Welconomy" for collaboration during the "Multispecialty program of preventing the civilization disorders and supporting the health of Poles Health First" (individually).
- Distinction "Leader of Change 2019", in the category netizens' award, for the project "Program of hearing screening for first graders in the Mazovia voivodship in schoolyears 2017/2018 and 2018/2019" (team leader).
- "Heart of Gold" from the "Szlakiem Tęczy" Association for many years of work for hard-ofhearing and deaf patients, including Association's wards (individually).
- Title "Honorary Ambassador of Podlaskie Voivodship" (individually).
- Prof. Henryk Skarżyński 2<sup>nd</sup> on the "List of Hundred 2018" most influential people in Polish medicine in a plebiscite organized by the journal "Puls Medycyny."

- Flag of the Republic of Poland bestowed by the President of Poland for organizing and social work (team leader).
- Medal and diploma "100 Years of Regained Independence" bestowed by the Prime Minister (individually).
- Award in the category philanthropist bestowed by the chapter of the competition "Polski Przedsiębiorca 2017", organized by the "Gazeta Polska Codziennie" (individually).
- Jubilee statuette "Viribus Unitis" for the long-lasting support, benevolence, and work of behalf of bonding the communities of physicians, pharmacists, patients, pharmaceutical companies, and media (individually).

- Super Pearl of the Nadarzyn Commune for the extraordinary scientific achievements and as a sign of respect and gratitude (individually).
- Gold medals in the category invention awarded during the 3<sup>rd</sup> Japan Design, Idea & Invention Expo in Tokyo organized by the World Invention Intellectual Property Associations (WIIPA) and the Chizai Corporation for innovative products (as team leader):
  - a) Skarżyński Polymodal Sensory Perception Stimulator (SPPS-S),
  - b) Sensory Examination Capsule.
- Best International Design Award special award for the Sensory Examination Capsule bestowed during the 3<sup>rd</sup> Japan Design, Idea &Invention Expo in Tokyo organized by the World Invention Intellectual Property Associations (WIIPA) and Chizai Corporation (team leader).
- Diploma awarded by the web portal Medexpress.pl with thanks for the daily work for patients, following the impeccable principles, dedication, and sensitivity, educating the society, and igniting the passion for helping others (individually).
- Award "Ambassador of 25<sup>th</sup> anniversary of Welconomy" for extraordinary achievements, integration skills, and cooperation in different areas of life contributing to the improvement of Poland's economic position, awarded during the "Welconomy Forum" in Toruń (individually).
- Diploma for the Institute of Physiology and Pathology of Hearing awarded during the 22. Science Picnic of Polish Radio and Copernicus Science Centre (team leader).
- Prof. Henryk Skarżyński 3<sup>rd</sup> on the "List of Hundred 2017" most influential people in Polish medicine in a plebiscite organized by the journal "Puls Medycyny."

- Polish-Ukrainian economy award "Buława 2017" bestowed during the Baltic Business Forum (individually).
- VIP Award for organizing the International Music Festival for Children, Youths and Adults "Beats of Cochlea" awarded by the magazine "VIP" (individually).
- Title of a "Friend of the Faculty of Materials Science and Engineering" of the Warsaw University of Technology for the long-lasting, active collaboration with the Faculty in the field of materials science, contributing to the Faculty's development and building of its scientific status (individually).
- Award of the Polish Bank Association and the "Promyk Słońca" Foundation for the extraordinary achievements in the field of creating and applying new technologies for people with impairments (individually).
- Diploma for the best score in Poland in the specialization exam in pediatric otorhinolaryngology bestowed by the Minister of Health (individually).

- The second Guinness World Record for the meeting of the largest number of patients with hearing implants in one place and time set by the patients of prof. H. Skarżyński in the World Hearing Center on 15 July, during the picnic on the occasion of the 25<sup>th</sup> anniversary of the first cochlear implantation in Poland.
- Blessing of Pope Francis bestowed on the occasion of the 25<sup>th</sup> anniversary of the first cochlear implantation performed by prof. Henryk Skarżyński a gift from the Holy See.
- Prof. Henryk Skarżyński 1<sup>st</sup> on the "List of Hundred 2016" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny".

- Professor H. Skarżyński included in the Pantheon of Polish Inventors and Discoverers (individually).
- Medal of the Rector of the Cardinal Wyszyński University in Warsaw given during the 5<sup>th</sup> Conference of Healthcare "Pain and Suffering – a Focus of Light and Darkness. Medicine – Theology – Culture" for promoting the holistic vision of a Man experienced by pain and suffering (individually).
- Distinction "Laus tibi, non tuleris qui vincula mente animoque" (the cristal dodecahedron, so-called Pythagorean cosmos) and the title of the Master of the Center for Advanced Studies of the Warsaw University of Technology bestowed by the Rector and the Council of the Center for Advanced Studies of the Warsaw University of Technology (individually).
- Title "Honorary Golden Engineer" for introducing the newest technical solutions to medicine, awarded by "Przegląd Techniczny" (individually).
- Badge "Business Premium 2016" for prof. Henryk Skarżyński and the team of the Institute of Physiology and Pathology of Hearing for ten years of telemedical care for patients with different hearing implants and services remarkable for quality, modernity, and compatibility with the market needs (team leader).
- Gold medal awarded by the director of the National Center of Care for Mother and Child in Bishkek (individually).
- Diploma of recognition on the occasion of the 20<sup>th</sup> anniversary of the Institute of Physiology and Pathology of Hearing awarded by the National Research Centre for Audiology and Hearing Rehabilitation in Moscow, Rosja (team leader).
- Award "Visionaries of the 21<sup>st</sup> century" for vision, passion, and success, given by the weekly magazine "Wprost" (individually).
- Distinction "Pro Masovia" the diploma and medal for the extraordinary merits and the entirety of activities for the Mazovian voivodship awarded by the Marshal of the Mazovian voivodship (individually and for team leader).
- Honorary badge for Merits for Protection of Children's Rights "Infantis Dignitatis Defensori" awarded by the Ombudsman for Children (individually).

- Honorary title "Nieobojętny 2016" [Not Indifferent 2016] bestowed during the 3<sup>rd</sup> International Congress of III Irena Sendler Schools (individually).
- Outstanding Achievement Award honorable distinction for: inspirational leadership in establishing a treatment centre for the surgical treatment of hearing loss which is world renowned; tireless advocate for the hearing impaired nationally and internationally; provision of leadership in establishing a national hearing screening program as well as pioneering a model for remote delivery of ongoing care to implant recipients using computer technology, bestowed during 14<sup>th</sup> International Conference on Cochlear Implants and Other Implantable Technologies (CI2016) in Toronto (individually).
- Occasional medal of the Warsaw University of Life Sciences SGGW for initiating and implementing the program of hearing screening in children from rural areas, bestowed by the Rector of the Warsaw University of Life Sciences SGGW (individually).
- Title "Personality of the Year 2016" awarded by the chapter of the magazine "Osobowości i Sukcesy" (individually).
- Honorary statuette "Dobrosława" awarded by the Agricultural Social Insurance Fund KRUS in recognition of the long-lasting work for improving the hearing of children from the rural areas (individually).
- Title "Ambassador of Integration and Cooperation" bestowed by the Program Council of the Association Integration and Cooperation (individually).
- Special award for passion and strength of creation bestowed by the Chapter of the Women of Success (individually).
- Distinction "For Merits for Warsaw Archdiocese" given by cardinal Kazimierz Nycz, Warsaw metropolitan (individually).
- Primatial medal "Merited for the Church and the Nation" awarded by the primate of Poland archbishop Wojciech Polak, Gniezno metropolitan (individually).
- Diploma of the Institute of Physiology and Pathology of Hearing for creativity, imagination, and knowledge, awarded during the 20<sup>th</sup> Science Picnic of Polish Radio and Copernicus Science Centre (team leader).
- Prof. Henryk Skarżyński 1<sup>st</sup> on the "List of Hundred 2015" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Golden medal for the invention "Skarżyński Polymodal Sensory Perception Stimulation (SPPS)" awarded at the Global Exhibition of Inventions for Creative, Happy, Human, and Smart Cities "Innovacities Latinoamerica" in Foz do Iguaçu, Brazil (team leader).
- Medal of the Commission of National Education for the extraordinary merits for education, awarded by the Minister of National Education (individually).

- Golden OTIS with Diamonds for the Institute of Physiology and Pathology of Hearing for organization of the International Consortium of Hearing Screening Program on Three Continents (team leader).
- Silver "Laurel of Innovation" for the World Hearing Center of the Institute of Physiology and Pathology of Hearing for the project "Hearing Screening of Three Continents," awarded by the Chapter of the Stanisław Staszic National Competition for the best innovative product (team leader).
- Gold Laurel of the "Super Biznes" in category science and business, for creating the unique on the global scale center with an interdisciplinary team of physicians, engineers, and physicists, awarded by the editorial board of "Super Ekspres" in cooperation with the Polish Chamber of Commerce, Business Center and Confederation of Polish Employers (individually).
- Diploma awarded by the Minister of Economy for actively propagating the ideas and spirit of entrepreneurship and dedication and contribution to the development of the Polish economy (individually).
- Award "Wiktor 2014" in the category great personality of science and culture, bestowed by the Television Academy (individually).
- Distinction for the Institute of Physiology and Pathology of Hearing in the 27<sup>th</sup> edition of the Report on Social Responsibility of the Business published by "Gazeta Finansowa," in recognition of work for the development of telemedicine (team leader).
- Prof. Henryk Skarżyński 2<sup>nd</sup> on the "List of Hundred 2014" most influential people in Polish medicine and 4<sup>th</sup> on the "List of Hundred 2014" most influential people in Polish healthcare in a plebiscite organized by "Puls Medycyny."

- Medal of the Senate of Poland "The good of the Republic is the supreme law" (individually).
- Diploma for winning the 1<sup>st</sup> place a plebiscite "Science is Freedom" organized by the Ministry of Science and Higher Education on the 25<sup>th</sup> anniversary of Poland's independence, for the program "Hearing implants in the treatment of deafness" and the entirety of the scientific output (individually).
- Special award and certificate "The Dependable of the 25<sup>th</sup> Anniversary of Poland's Freedom" for the extraordinary dedication and hard work, commitment, and passion that have contributed to the development of the Polish economy (individually).
- Gold medal in the category medical devices for the first in the world system "National Network of Teleaudiology," awarded in the international competition "Prix Galien" in Monte Carlo, Monaco – "Prix Galien Award" is considered to be the medical-field equivalent of the Nobel Prize (team leader).

Diploma of the Minister of Science and Higher Education for projects (team leader):

- a) "SZOK System of the Integrated Communication Operations,"
- b) "National Network of Teleaudiology,"
- c) "Telefitting system of remote fitting of a cochlear implant."
- Distinction "Golden Scalpel 2014" for the project "Program of detecting hearing impairments in schoolchildren in Poland and internationally" in the competition for the outstanding innovator in Polish healthcare organized by "Puls Medycyny" (team leader).
- Title "Special Icebreaker" for the extraordinary social sensitivity and promoting the activity of people with impairments in different areas of life, awarded in the competition "Icebreakers 2014" (individually).
- Laureate of the plebiscite "People of Freedom" in category science, organized by the TVN and "Gazeta Wyborcza" on the 25<sup>th</sup> anniversary of regaining independence (individually).
- Title "Crystal Dragon of Success 2014" for a leading manager on a Polish market, distinguished by modern managing methods and ability to succeed under challenging conditions of a modern economy, awarded by the editorial office of the "Polish Market" (individually).
- Medal of the Warsaw University of Technology for developing cooperation between physicians and engineers in the treatment of hearing disorders, awarded by the Rector and Senate of Warsaw University of Technology (individually).
- "Honorary Citizen of Czyżew Town and Commune" for being a worthy representative of the Wysokomazowieckie region and contribution to the hearing science (individually).
- Medal "Merited for Pruszków region" in category health (individually).
- "Golden OTIS with Diamonds" (nomination) award of trust for the project "Early detection of hearing disorders for equal opportunities of children on three continents" – in Armenia, Kyrgyzstan, Moldova, Poland, Romania, Ivory Coast, Senegal and Tajikistan (individually and team leader).

- Gold medal and diploma for "Telefitting system of remote fitting of a cochlear implant's parameters," awarded by the international jury during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania (team leader).
- Gold medal and diploma of excellence for "The System of the Integrated Communication Operations SZOK<sup>\*</sup>" awarded by the University of Technology in Cluj-Napoca in Romania, during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania (team leader).
- Silver medal and diploma for "The System of Integrated Communication Operations SZOK<sup>®</sup>," awarded by the international jury during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania (team leader).

- Diploma of Excellence of the National Institute of Research and Development in Chemistry and Petrochemistry (ICECHIM) in Bucharest for "Telefitting – system of remote fitting of a cochlear implant system", awarded during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania (team leader).
- Special EYReC (ENVEX Young Researcher Club) award of the University of Malaysia in Perlis for "Telefitting – a system of remote fitting of a cochlear implant" bestowed during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania (team leader).
- Medals and diplomas awarded by the National Agency for Intellectual Property of the Moldova Republic (AGEPI), bestow during the 5<sup>th</sup> European Exhibition of Creativity and Innovation "Euroinvent" in Iaşi, Romania, for projects (team leader):
  - a) "Telefitting" a system of remote fitting of a cochlear implant,"
  - b) "System of the Integrated Communication Operations SZOK"."
- Gold medal with distinction for the project "National Network of Teleaudiology" awarded at the 2<sup>nd</sup> International Exhibition of Innovative Technologies and Inventions "Innovation Turkey" in Istanbul, Turkey (team leader).
- Diploma for the Institute of Physiology and Pathology of Hearing for participating in the international exhibition and scientific conference "Health 2013", awarded by the Ministry of Health and Medical Industry of Turkmenistan and the Chamber of Trade and Commerce of Turkmenistan (team leader).
- Distinction for contribution in the field of Otology and Otologic Surgery awarded by the president of the 29<sup>th</sup> Politzer Society Meeting (individually).
- Golden "Laurel of Innovation" for the project "National Network of Teleaudiology" bestowed by the chapter of the National Competition of Innovative Technical Projects organized by the Chief Technical Organization (individually and team leader).
- Medal and distinction for commitment to developing Polish Promotional Program "Teraz Polska" in the field of innovation awarded by the Chapter of the Promotional Emblem "Teraz Polska" (individually).
- Distinction "Golden Scalpel 2013" for the outstanding innovator of Polish healthcare for the project "System of the Integrated Communication Operations SZOK<sup>®</sup>," awarded by the editorial board of "Puls Medycyny" (team leader).
- Prof. Jan Nielubowicz Medal for the outstanding, long-lasting professional activity, research, and commitment to cooperating with the Chamber of Physicians and Dentists, awarded by the Regional Council of Physicians and Dentists (individually).
- Medal of the Warsaw University of Technology "Alma Mater Bene Merentibus" for developing cooperation between physicians and engineers in the field of hearing loss treatment, awarded by the Chapter of the Medal and the Rector of the Warsaw University of Technology (individually).

- Title "Forbes Professional 2013", in category physician, awarded in the competition "Professionals 2013 from Mazovia" upon the motion of patients and readers of the monthly magazine "Forbes" (individually).
- Special award "Personality of the Year 2012 in Healthcare" bestowed by the jury of the competition "Success of the Year 2012 in Healthcare Leaders of Medicine" (individually).
- Jubilee award "Golden OTIS 2013" and medal "Viribus Unitis" for 10 years of work connecting the communities of physicians, pharmacists, patients, and media and for the active foreign cooperation policy (individually).
- Special award in the competition "Leaders of Changes in Healthcare" for the Institute of Physiology and Pathology of Hearing for the entirety of activities and particular achievements in terms of management and groundbreaking achievements in medicine, awarded by Wolters Kluwer Polska and Lazarski University (team leader).
- Award "Super Wiktoria" in category personality of the year, awarded in the national economy plebiscite "WIKTORIA Entrepreneurs' Quality Sign" (individually).
- Professor Henryk Skarżyński becomes the 956<sup>th</sup> knight of the Order of the Smile medal awarded by the international chapter for saving the hearing of children (individually).
- Prof. Zbigniew Religa Special Award for empathy, respect, and dedication shown to the patients as well as significant accomplishments as a doctor and manager, bestowed by the Board of the Foundation for Children "Zdążyć z Pomocą" (individually).
- Prof. Zbigniew Religa Distinction for the Institute of Physiology and Pathology of Hearing for the extraordinary achievements in the field of comprehensive treatment of people with sensory impairments, awarded by the Board of the Foundation for Children "Zdążyć z Pomocą" (team leader).
- Distinction "Laurel of the Nadarzyn Commune" for the accomplishments on a global scale in the field of medical science and with thanks for physician's everyday work for, among others, the citizens of the Nadarzyn commune (individually).
- Prof. Henryk Skarżyński 2<sup>nd</sup> on the "List of Hundred 2012" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Economy Award of the President of the Republic of Poland for the Institute of Physiology and Pathology of Hearing in category innovation, for developing an original program of treatment of partial deafness, elaborating a novel electrode and for the first in the world clinical implementation (individually and for the team leader).
- Mikołaj Kopernik Medal for the outstanding scientific achievements awarded by the Presidium of the Polish Academy of Sciences (individually).
- Golden "Laurel of Innovation" for the Institute of Physiology and Pathology of Hearing for the project "World Hearing Center of the Institute of Physiology and Pathology of

Hearing" awarded in the Nationwide "Laurel of Innovation" Competition for the Stanisław Staszic Award (team leader).

- Gold medal for the National Network of Teleaudiology and Telefitting, in category innovative IT solution for medicine, awarded in the first edition of the competition "Prix Galien Polska" (team leader).
- Title "Golden Leader" for the Institute of Physiology and Pathology of Hearing, in category innovative ideas in healthcare, awarded in the 6<sup>th</sup> edition of the competition Leaders of the Polish Healthcare System (team leader).
- Award "Honorary Special Pearl" for the entirety of achievements in science, awarded by the editorial board on the monthly magazine "Polish Market" and the Chapter of the Laureates of Honorary Pearls 2012 (individually).
- Title "The Outstanding Pole" in category science for developing a modern, original surgical method and novel tools (electrode) for treatment of partial deafness and performing the first in the world surgeries in children and adults, awarded by the Chapter of the Competition "Teraz Polska" (individually).
- Statuette of Hippocrates (the highest distinction of the Polish Society of Family Medicine) for the extraordinary contribution to the progress of family medicine (individually).
- Diploma of the Minister of Science and Higher Education for the Institute of Physiology and Pathology of Hearing for the project "Sense Examination Platform" (team leader).
- Diploma for the nomination to the Competition "Science in Poland" of the Polish Press Agency PAP "Science Popularizer 2012", awarded by the Minister of Science and Higher Education (team leader).
- Distinction "Top Medical Trends 2012" awarded by the Polish Society of Family Medicine and Termedia publishing house (individually).
- Title "Honorary Ambassador of Polish Congresses" bestowed in recognition of service in promoting Poland as a place to organize international congresses, awarded by the Polish Tourism Organization and the Polish Conference and Congress Association (individually).
- "Forum Award" given during the Science & Technology Days Poland-East (individually).
- Guinness World Record in the category: the largest gathering of people with medical ear implants in one place and time (557) set by patients of prof. Henryk Skarżyńskiand, the team of the Institute of Physiology and Pathology of Hearing.
- Prof. Henryk Skarżyński 12<sup>th</sup> on the "List of Hundred 2011" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Order Ecce Homo for prof. Henryk Skarżyński for dedicating his life and talent to the service of others and profound medical knowledge of speech and hearing awarded by the International Chapter of the Order (individually).
- Jan Heweliusz Medal of the Gdańsk University of Technology awarded by the Rector and Senate of the Gdańsk University of Technology (individually).
- Medal of the Faculty of Management of the University of Warsaw (individually).
- Medal "For Merits for the UMFC" bestowed by the Rector of the Fryderyk Chopin University of Music (UMFC) (individually).
- Title "Benevolenti" and statuette for supporting the pro-society initiatives of the Foundation Pro Seniore and charity work for senior physicians awarded by the chapter of the Regional Chamber of Physicians (individually).
- Doctor Tytus Chałubiński Medal for the long and productive service in the Department of Otolaryngology of the I Medical Faculty and the exceptional dedication and contributions for the development of the Medical University of Warsaw (individually).
- Diploma and gold medal for the "Sense Examination Platform" awarded on the Research and Innovations in Technology Salon "Medinnova" in Casablanca, Morocco (individually).
- Special award in the competition for the Award of the Minister of Regional Development "EuroLeader 2011" during the 4<sup>th</sup> Forum of European Funds (individually).
- Title "Golden Leader" for the Institute of Physiology and Pathology of Hearing, in category innovative ideas in healthcare, awarder in the competition Leader of the National Healthcare System 2011 (team leader).
- Title "Leader of the Region 2011", in category health, awarded by the chapter of the competition "Best Companies and Communes of the Radom Region" (team leader).
- Diploma of the Minister of Science and Higher Education for projects (team leader):
  - a) "Glass-ionomer cement and implants for otosurgery,"
  - b) "Home Rehabilitation Clinic telerehabilitation system."
- Diploma of the Minister of Science and Higher Education for the Institute of Physiology and Pathology of Hearing for the outstanding activity in promoting innovations abroad in 2010 (team leader).
- Award of the Minister of Science and Higher Education for the Institute of Physiology and Pathology of Hearing for international achievements in innovation (team leader).
- Cochlear Nucleus Award award of recognition for dedication and commitment to restoring hearing to many people, bestowed by the CEO of Cochlear Ltd. (individually).
- Distinction bestowed by the Cochlear company for contributions to the progress in the field of cochlear implants (individually).

- Diploma of recognition for the significant and invaluable contribution to the development of hearing implants awarded by Med-El company (individually).
- Prof. Henryk Skarżyński 5<sup>th</sup> on the "List of Hundred 2010" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- The main award "21<sup>st</sup> Century Achievement Awards" for the Institute of Physiology and Pathology of Hearing for the "Cochlear Implant Innovation Project" (system of remote implant fitting and telerehabilitation), in category healthcare in the Computerworld Honors Program, Washington, USA (team leader).
- Gold medal for the Sense Examination Platform awarded at the International Trade Fair "Ideas – Inventions – New Products" (iENA) in Nuremberg, Germany (team leader).
- Gold medal with mention and diploma of the minister of the French Community of Belgium for the unique materials for the reconstruction surgery of the middle ear – glass-ionomer cement and implants intended for use in otosurgery, awarded during the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (individually and as the team leader).
- Gold medal for the "System of remote fitting of the cochlear implant parameters" at the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (individually and team leader).
- Silver medal for the project "Home Rehabilitation Clinic" at the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Diploma of the Russian Network Clinics' Origitea and the Medkomservice Managing Company for invention "Glass-ionomer cement and implants intended for use in otosurgery", awarded at the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (individually and team leader).
- The cup of the Russian network of clinics Origitea and the Medkomservice company for contributions to the development of medicine and health bestowed at the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Diploma of the Walloon region and the French Community of Wallonia-Brussels awarded during the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Silver medal for the Institute of Physiology and Pathology of Hearing for the "Sense Examination Platform" awarded at the 109<sup>th</sup> International Salon of Inventions "Concours Lépine" in Paris, France (team leader).

- Gold medal for the Sense Examination Platform, awarded during the 38<sup>th</sup> International Exhibition of Inventions "Geneva Inventions" Switzerland (team leader).
- Special award for the Sense Examination Platform, bestowed by the Isfahan University of Technology Robotic Center in Iran at the 38<sup>th</sup> International Exhibition of Inventions "Geneva Inventions" Switzerland (team leader).
- Gold medal ITEX for innovative project "Sense Examination Platform" awarded at the 21<sup>st</sup> International Invention, Innovation & Technology Exhibition (ITEX) in Kuala Lumpur, Malaysia (team leader).
- Special Prize for the excellent efforts in creating invention exhibited at the ITEX 2010 (Sense Examination Platform), bestowed by the Korea Invention Promotion Association (KIPA) at the 21<sup>st</sup> International Invention, Innovation &Technology Exhibition (ITEX) in Kuala Lumpur, Malaysia (team leader).
- Diploma of the Association "Russian House for International Scientific and Technological Cooperation" awarded at the 21<sup>st</sup> International Invention, Innovation & Technology Exhibition (ITEX) in Kuala Lumpur, Malaysia (team leader).
- Gold medal of the Korea Invention Promotion Association in recognition of excellent and creative efforts to invent "Home Rehabilitation Clinic Telerehabilitation System," awarded at the SIIF Seoul International Invention Fair in Korea (team leader).
- Gold medal of the Korea Invention Promotion for the extraordinary creativity in developing the project "Sense Examination Platform," awarded at the SIIF Seoul International Invention Fair in Korea (team leader).
- Special Award of the Taiwan Invention Association in recognition of the invention "Sense Examination Platform" with potential to significantly enhance home living, awarded at the SIIF – Seoul International Invention Fair in Korea (team leader).
- Diploma of the Association "Russian House for International Scientific and Technological Cooperation" awarded for the telerehabilitation system "Home Rehabilitation Clinic" at the SIIF – Seoul International Invention Fair in Korea (team leader).
- Silver medal and the Female Inventor Award for the project "Sense Examination Platform" at the Taipei International Invention Show & Technomart (INST) Invention Contest in Taipei, Taiwan (team leader).
- Gold medal for the project "Sense Examination Platform" awarded at the VI International Salon of Inventions and New Technologies "New Times" in Sevastopol, Ukraine (team leader).
- Title "Leader of Innovation<sup>®</sup>" for the "System of hearing telerehabilitation for patients using cochlear implants" won in the IX edition of the Nationwide Competition "Leader of Innovation<sup>®</sup> 2010", during the V National Fair of Economic and Scientific Innovations INTARG Katowice 2010 (team leader).

- Medal with distinction for the "System of hearing telerehabilitation for patients using cochlear implants" awarded during the V National Fair of Economic and Scientific Innovations INTARG Katowice 2010 (team leader).
- Gold medal for the innovative project "Sense Examination Platform" awarded at the IV International Warsaw Inventions Show IWIS in Warsaw (individually).
- Title "Oscar of the Polish Business 1990–2010" for the extraordinary contribution to the development of medical science, for inspiration and management achievements in building in Poland the healthcare unit on the highest global level, awarded by the Chapter and Board of the Polish Business Club (individually).
- Title "The Company of Two Decades 1990–2020" for the Institute of Physiology and Pathology of Hearing for the courage and effectiveness in realizing the vision of building in Poland the healthcare unit on the highest global level, awarded by the Chapter and Board of the Polish Business Club (team leader).
- Title "Gazelle of Business" for the Institute of Physiology and Pathology of Hearing awarded in the 9<sup>th</sup> edition of the ranking "Gazelles of Business" published by the magazine "Puls Biznesu" (team leader).
- Main Award "Golden Scalpel 2010" for the project "Treatment of partial deafness in children and adults using cochlear implants" bestowed by "Puls Medycyny" (individually).
- Award "Salus aegroti suprema lex" bestowed by the Chief Board of the Polish Society of Family Medicine and Termedia publishing house during the IV Congress "Top Medical Trends" (individually).
- 1<sup>st</sup> Award in the competition during the XVI National Conference "Biocybernetics and biomedical engineering" for the presentation "New generation of hearing implants for small children" (individually).
- Diploma of the Minister of Foreign Affairs of Poland for the exceptional merits in promoting Poland worldwide (individually).
- Diploma of the Minister of Science and Higher Education for projects (team leader):
  - a) "Sense Examination Platform,"
  - b) "System of hearing telerehabilitation for patients using cochlear implants."
- Award of the Minister of Science and Higher Education for international achievements in innovation (team leader).
- Gold certificate "Solid Company White List" for the Institute of Physiology and Pathology of Hearing for winning five times (2005–2009) the title "Solid Company" in the economy-consumer program under the patronage of the European Commission (team leader).
- The title of the "Honorary Citizen of Warsaw" awarded by the Warsaw City Council (individually).

Diploma of the Friend of the "Dźwięki Marzeń" awarded by the Foundation Orange (individually).

Honorary badge of the Polish Students' Association (individually).

Prof. Henryk Skarżyński 11<sup>th</sup> on the "List of Hundred 2009" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

# 2009

- Gold medal with distinction for the "Sense Examination Platform," awarded during the Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Gold medal for the "System of hearing telerehabilitation for patients using cochlear implants" awarded during the 108<sup>th</sup> International Salon of Inventions "Concours Lépine" in Paris, France (team leader).
- Gold medal for the "Multimodal interface for controlling the computer using lips and tongue movements" awarded at the 108<sup>th</sup> International Salon of Invention "Concours Lépine" in Paris, France (team leader).
- Silver medal for the "Graphic multimodal interface" awarded during the 108<sup>th</sup> International Salon of Inventions "Concours Lépine" in Paris, France (team leader).
- "Golden Scalpel 2008", in category teleinformation solutions in medicine for the project "Telefitting and Home Rehabilitation Clinic" awarded in the 1<sup>st</sup> edition of the competition organized by "Puls Medycyny" (team leader).

Diploma of the Minister of Science and Education for projects (team leader):

- a) "System of remote fitting of the speech processor of a cochlear implant system,"
- b) "Mobile multimedia systems for hearing and speech screening tests,"
- c) "Multimedia system of assessment of the impact of noise on hearing using teleinformation tools."
- Honorary badge "For service for healthcare" awarded by the Minister of Health (individually).
- Badge "Bene Meritus" for the devoted service in protection of life and health of people, for creating the lasting qualities for the benefit of the society and the exceptional merits for the Polish Medical Association (individually).
- Title "Solid Company 2008" awarded to the Institute of Physiology and Pathology of Hearing by the chapter of the Economy-Consumer Program under the patronage of the European Commission Representation (team leader).
- Title "Leader Oracle 2009" for the Institute of Physiology and Pathology of Hearing the best customer and partner of the Oracle concern (team leader).

- Medal of the 60<sup>th</sup> anniversary of "Cepelia" for prof. Henryk Skarżyński, bestowed by the Foundation "Cepelia" Polish Art and Craftwork 60 years of care for the perishing beauty (individually).
- Nomination of the Minister of Health to the United Arab Emirates Health Foundation Prize in the competition under the patronage of the World Health Organization (individually).
- Prof. Henryk Skarżyński 10<sup>th</sup> on the "List of Hundred 2008" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Gold medal for the project "Mobile multimedia systems for hearing and speech screening tests," awarded at the 36<sup>th</sup> International Salon of Inventions in Geneva, Switzerland (team leader).
- Silver medal for the "System of monitoring the environmental noise" awarded at the 36<sup>th</sup> International Salon of Inventions in Geneva, Switzerland (team leader).
- Gold medal for the innovation "System for the Remote Adjustment of the Speed Processor of a Cochlear Implant" awarded at the 57<sup>th</sup> Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (individually and team leader).
- Gold medal "Brussels Innova Eureka Competition" and diploma for the "System for the Remote Adjustment of the Speed Processor of a Cochlear Implant," awarded by the Ministry of Education, Research and Youth of Romania and the Romanian National Authority for Scientific Research during the 57<sup>th</sup> Belgian and International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (individually).
- Nomination of the device Kuba Mikro AS to the finals of the "World Cup of Computer-Implemented Inventions" competition in Beijing, China (team leader).
- Team Award 1<sup>st</sup> grade bestowed by the Rector of the Warsaw University of Technology for participating in the worth of the team of the Faculty of Electronics and Information Technology of the Warsaw University of Technology that received the 1<sup>st</sup> grade Rector's Award for scientific achievements in 2006–2007 (individually).
- Main Award of the Minister of Science and Higher Education for the Institute of Physiology and Pathology of Hearing for the international accomplishments in innovation (team leader).

Diploma of the Minister of Science and Higher Education for the Institute of Physiology and Pathology of Hearing awarded during the International Warsaw Inventions Show IWIS 2008 in Warsaw for projects (team leader):

- a) "Glass-ionomer cement for otosurgery,"
- b) "Screening audiometer Kuba Mikro AS,"
- c) "Multimedia system for monitoring the noise."

- Gold medal for the project "Mobile multimedia systems for hearing and speech screening tests" awarded by the Association of Polish Inventors and Rationalizers during the International Warsaw Inventions Show IWIS 2008 in Warsaw (individually).
- Honorary distinction of the Economy-Consumer Program "Solid Company" (under the patronage of the European Commission Representation) for the exceptional combination of talents of a physician, inventor, entrepreneur, and social worker, awarded by the chapter of the Program (individually).
- Title "Solid Company 2007" for the Institute of Physiology and Pathology of Hearing, awarded by the chapter of the Economy-Consumer Program under the patronage of the European Commission Representation (team leader).
- Silver certificate "Solid Company White List" for the Institute of Physiology and Pathology of Hearing for winning three times the title "Solid Company 2005", "Solid Company 2006", and "Solid Company 2007" in the Economy-Consumer Program under the patronage of the European Commission Representation (team leader).
- Nomination of the Minister of Health to the international scientific award of the Prince Mahidol Award Foundation in Bangkok, Thailand (individually).
- Nomination and participation in the finals of the award of the Foundation for Polish Science for the outstanding scientific accomplishments in 2007 (individually).
- Prof. Henryk Skarżyński 20<sup>th</sup> on the "List of Hundred 2007" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Gold medal for the project "Glass-ionomer materials for otosurgery," awarded during the 107<sup>th</sup> International Salon of Inventions "Concours Lépine" in Paris, France (individually).
- Gold medal for the Institute of Physiology and Pathology of Hearing for the screening audiometer Kuba Mikro AS, awarded during the International Salon of Inventions in Geneva, Switzerland (team leader).
- Gold medal for the screening audiometer Kuba Mikro AS awarded in the World Cup of Computer-Implemented Inventions during the International Trade Fair "Ideas – Inventions – New Products" iENA in Nuremberg, Germany (team leader).
- Grand Prix and gold medal for the screening audiometer Kuba Mikro AS, awarded during the International Warsaw Inventions Show IWIS in Warsaw (team leader).
- Silver medal for the "Glass-ionomer cement for otosurgery," awarded during the International Warsaw Inventions Show IWIS in Warsaw (team leader).
- Bronze medal for the "System of remote fitting of a cochlear implant system," awarded during the International Warsaw Inventions Show IWIS in Warsaw (team leader).

- Special award "Man of the Year 2007 in Healthcare" in the competition "Success of the Year 2007 in Healthcare Leaders of Medicine" organized by Termedia publishing house (individually).
- Title "Man of Success 2006", in category science, awarded by the weekly journal "Kontakty" and the Higher School of Agrobusiness in Lomza (individually).
- 2<sup>nd</sup> place in the competition "Pearls of Medicine" in category single-specialty hospitals for the Institute of Physiology and Pathology of Hearing awarded by the chapter and organizers of the National Medical Competition "Pearls of Medicine 2007" (team leader).
- Title "Solid Company 2006" for the Institute of Physiology and Pathology of Hearing, awarded by the chapter of the Economy-Consumer Program under the patronage of the European Commission Representation (team leader).
- Prof. Henryk Skarżyński 8<sup>th</sup> on the "List of Hundred 2006" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Medal "LAUDABILIS" and title "Trustworthy" for the exceptional merits for the Chamber of Physicians and Dentists, awarded by the Regional Council of Physicians and Dentists (individually).
- "Honorary Pearl" in the field of science awarded by the Chapter of the Award, Polski Rynek publishing house, and the editorial office of the "Polish Market" (individually).
- Title of the Physician of "Rynek Zdrowia" bestowed in the plebiscite of the magazine "Rynek Zdrowia" (individually).
- Title of the "Physician of the Year 2005" for proving that in Polish conditions, it is possible to create the clinical center setting the highest standards in the field of implantation techniques, bestowed by the editing office of the physicians' magazine "Konsyliarz" (individually).
- Diploma of recognition for the worldwide success in audiology and pioneering achievements in restoring hearing awarded by the Chief Board of Polish Medical Association (individually and for the team leader).
- Gold medal for the pioneering methods and actions in restoring hearing to the impaired awarded by the Academy of Polish Success (team leader).
- Diploma of the Ministry of Education and Science for the Institute of Physiology and Pathology of Hearing and the Institute of Control Systems for the project "Screening audiometer – Audiometr S" (team leader).
- Title "Solid Company 2005" for the Institute of Physiology and Pathology of Hearing awarded by the chapter of the Economy-Consumer Program under the patronage of the European Commission Representation (team leader).

- Award in the Competition "Polish Product of the Future 2006", in category product of the future, for the screening audiometer Kuba Mikro AS, bestowed by the chapter of the competition and the Polish Agency of Entrepreneurship Development (team leader).
- Distinction in the competition "Mazovian company of the Year 2005" for the Institute of Physiology and Pathology of Hearing, in category medicine hospitals, awarded by the chapter and organizers of the competition (team leader).
- Nomination to Alina Pienkowska Award 2006 submitted by the monthly magazine "Służba Zdrowia" (individually).
- Nomination and participation in the finals of the competition for the award of the Minister of Science and Higher Education in category research for the development of the society (individually).
- Prof. Henryk Skarżyński 42<sup>nd</sup> on the "List of Hundred 2005" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Polish Promotional Emblem "Poland: Now" for the Institute of Physiology and Pathology of Hearing for the program of treatment of hearing disorders with hearing implants awarded in 15<sup>th</sup> edition of the competition for best products and services (team leader).
- Honorary Award of Trust "Golden OTIS 2004" for dedication and heart shown to children with hearing impairments and for perseverance and energy in fighting to give a healthy life to little patients (individually).
- Award and diploma of recognition of the Minister of Science and Computerization for international accomplishments in innovation a device for hearing screening in newborns "Kuba Mikro" (team leader).
- Gold medal for screening audiometer for children and newborns, being a unique achievement among medical inventions, awarded during the 104. International Salon of Inventions "Concours Lépine" in Paris, France (team leader).
- Gold medal for the device for hearing screening Audiometr S (Kuba Mikro AS) during the 54. World Exhibition of Innovation, Research and New Technology "Brussels Eureka!" in Brussels, Belgium (team leader).
- Diploma for the Institute of Physiology and Pathology of Hearing for the device for hearing screening with objective methods and audiometry, for scientific and technical activity and significant achievements presented during the "Brussels Eureka!" 2005 Fair, awarded by the Federal Agency for Industry in Russia and the Russian Organizing Committee during the International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).

- Diploma of recognition and title "Maecenas of Telemedicine in 2005" for the International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing, awarded by ISfTeH – International Society for Telemedicine & eHealth and Polish Telemedicine and eHealth Society (team leader).
- Title "Company of the Year 2004" for the International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing for the international level of access to all medical services and exemplary economic activities, awarded by the chapter and board of the Polish Business Club (team leader).
- 4<sup>th</sup> place for the International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing, in category single specialty hospitals, in Poland-wide ranking of hospitals "Safe Hospital 2005" organized by "Rzeczpospolita" daily newspaper (team leader).
- Diploma of the Ministry of Science and Computerization for the award nomination in the competition "Popularizer of science" (individually).
- Diploma of the Ministry of Science and Computerization for the Institute of Physiology and Pathology of Hearing for the project "Device for Hearing Screening" (team leader).
- Award of the Minister of Science and Computerization for international accomplishments in innovation (team leader).
- Prof. Henryk Skarżyński 26<sup>th</sup> on the "List of Hundred 2004" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Medal "Gloria Medicinae" the highest distinction of the Polish Medical Association for dedicated service to people, the highest respect for people's health and lives, for the dependable and worthy performance of the art of healing, for maintaining the honor and noble traditions of the medical estate and for creating the lasting values for the Polish Medical Association (individually).
- Title "Leader of the Year Public Health" in the competition "Success of the Year 2004 Leaders of Medicine in Healthcare" organized by Termedia publishing house (individually).
- Gold medal for the device for hearing screening in children and newborns Kuba Mikro, which is the unique achievement among the inventions in the field of healthcare, awarded during the 103. International Salon of Inventions "Concours Lépine" in Paris, France (team leader).
- Portal Telewelfare.com with multimedia systems for testing hearing, tinnitus, speech, and vision nominated to finals of the competition organized by the European Commission "eEurope Awards for eHealth" in Cork, Ireland (team leader).

- Diploma for the International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing for taking the 8<sup>th</sup> place in category best single specialty hospital in Poland awarded in the nationwide ranking "Safe Hospital 2004" organized by "Rzeczpospolita" and Center for Monitoring Quality in Healthcare (team leader).
- Gold medal for the International Center of Hearing and Speech of the Institute of Physiology and Pathology of Hearing for the comprehensive treatment of hearing and speech disorders on the highest global level awarded by the Academy of Polish Success (team leader).
- Distinction "Construction of the Year 2003" for the investor Institute of Physiology and Pathology of Hearing for the excellent organization of an investment process, high quality of works and application of modern technological solutions during the construction of the International Center of Hearing and Speech in Kajetany near Nadarzyn, awarded by the Polish Association of Building Engineers and Technicians and the Main Office of Construction Supervision (team leader).
- Diploma of the Ministry of Science and Computerization for the Institute of Physiology and Pathology of Hearing for the project "Multimedia systems for testing hearing, speech, and vision" (team leader).
- Diploma "More Beautiful Poland" for creating beauty that is Polish pride in the world, awarded by the Initiative for More Beautiful Poland under the patronage of the Minister of Culture and honorary patronage of the President of Poland (individually).
- Title "Friend of the School" for the Institute of Physiology and Pathology of Hearing, awarded by the Corporation of Students of the Primary School no. 273 in Warsaw (team leader).
- Certificate of the International Association of Registered Certified Tomatis Consultants (IARCTC) entitling to conducting the Tomatis therapy (individually).
- Prof. Henryk Skarżyński 40<sup>th</sup> on the "List of Hundred 2003" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Gold medal for the "Multimedia system for testing hearing, speech and vision," awarded during the 102<sup>nd</sup> International Salon of Inventions "Concours Lépine" in Paris, France (team leader).
- Award "Lasting Trace" for the outstanding accomplishments bestowed by the Rector of the AGH University of Science and Technology in Kraków (individually).
- Medal and title "Leader of Innovation" for the innovative solution "Device of hearing screening tests Kuba Mikro," awarded during the Fair of Economic and Scientific Innovations INTARG 2003 (team leader).

- Award of the City of Warsaw in recognition of merits for the Capital of Poland, bestowed by the Warsaw City Council (individually).
- Diploma of recognition awarded by the State Committee for Scientific Research to the Institute of Physiology and Pathology of Hearing for novel applications of IT tools in healthcare (team leader).
- Diploma of recognition awarded by the State Committee for Scientific Research and the award of the Chairman of the State Committee for Scientific Research for the Institute of Physiology and Pathology of Hearing for projects (team leader):
  - a) "Multimedia systems for hearing, speech and vision tests,"
  - b) "Device for hearing screening tests."
- Distinction and the promotional title "Patient-friendly Medical Center" for the International Center of Hearing and Speech, awarded by the World Foundation Health Mind Heart and the International Award Chapter (team leader).
- Title "Best Otolaryngological Hospital in Poland" for the Institute of Physiology and Pathology of Hearing in the Ranking of Hospitals 2003 published by "Wprost" (team leader).
- Badge for participating in the action "Protection from noise" and for assuming the patronage of the art competition "Quiet and Safe" awarded by the Primary School no. 273 in Warsaw (individually).
- Prof. Henryk Skarżyński 46<sup>th</sup> on the "List of Hundred 2002" most influential people in Polish medicine in a plebiscite organized by "Puls Medycyny."

- Gold medals awarded during the 51<sup>st</sup> International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader) for:
  - a) Device for testing hearing,
  - b) Multimedia systems for testing hearing, vision, and speech.
- Award of the Belgian Minister for the "Multimedia systems for testing hearing, vision and speech," awarded during the 51<sup>st</sup> International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- The cup of the Wallonian Minister of Employment and Training for the unique device for screening tests of hearing in newborns "Kuba Mikro," awarded during the 51<sup>st</sup> International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Grand Prix International main award of the Organisation Mondiale de la Presse Périodique for the "Multimedia systems for testing hearing, vision and speech" awarded during the

51<sup>st</sup> International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).

- Gold medal of the Jury and medal of the Croatian Inventors Association for the unique device for screening tests of hearing in newborns Kuba Mikro, awarded during the 51<sup>st</sup> International Trade Fair for Technological Innovation "Brussels Eureka!" in Brussels, Belgium (team leader).
- Medal for the innovative solution "Multimedia systems for screening of hearing, speech and vision" awarded during the Fair of Economic and Scientific Innovations INTARG in Katowice (team leader).
- Promotional title "Leader of Health promotion in Poland" bestowed by the International Award Chapter and the World Foundation Health Mind Heart (individually).
- Award "Eskulap 2001" in category specialist physician of Mazovia voivodship bestowed in the nationwide plebiscite organized by the National Network of Medical Information and Mazovian Health Fund (individually).

Silver medal awarded by the Chapter of the Academy of Polish Success (team leader).

Diploma of recognition of the State Committee for Scientific Research for the Institute of Physiology and Pathology of Hearing for developing projects (team leader):

- a) "Universal system for vision impairment diagnostics,"
- b) "Universal system of speech testing and rehabilitation."

- Gold medal and title of the Honorary Member of the Chapter for prof. Henryk Skarżyński for the outstanding scientific and clinical work awarded by the Academy of Polish Success (individually).
- 1<sup>st</sup> Grade Award of the Minister of Health for the extraordinary accomplishments in the field of healthcare, including developing and implementing in several regions of Poland the multimedia programs for universal tests of hearing and speech (team leader).
- Gold medal in category electronics and information technology for the project "Universal system of diagnosing vision impairments, testing and rehabilitation of speech and hearing impairments," awarded during the International Inventions Fair "Innowacje 2001" in Gdansk (team leader).
- Bronze medal for accomplishments in business activity awarded by the Academy of Polish Success (team leader).
- Title "Leader of Information Technology 2001" in recognition of the accomplished application of IT in health promotion, awarded by the magazine "ComputerWorld" (team leader).

Title "Product of the Year 2000" for the multimedia programs for diagnostics and therapy of hearing, voice and speech impairments that are the unique globally solution enabling treatment of hearing and speech, awarded by the Chapter and Board of the Polish Business Club (team leader).

# 2000

- Distinction in category healthcare and quality of life for "System of the Universal Hearing Tests I CAN HEAR" – the best Internet service, awarded during the worldwide competition organized by the European Commission "Stockholm Challenge Award 2000" in Stockholm, Sweden (team leader).
- Nomination for the "System of the Remote Hearing Testing I CAN HEAR" (in the category Empowering Citizens and Improving Democracy with Multimedia) as one of the 25 best European multimedia products in the competition "EuroPrix MultiMediaArt" organized by the European Commission presented during the Frankfurt Book and Multimedia Fair in Germany (team leader).
- 1<sup>st</sup> Award for the outstanding Polish accomplishment in science and technology awarded by the Prime Minister (individually).
- Award of the Minister of Health for the outstanding achievements in healthcare, including development and implementation of the "Program of auditory brainstem implants" (individually and team leader).
- Promotional title "Polish Invention of the Year 2000" for programs for testing hearing and speech through the internet, awarded by the World Foundation Health Mind Heart and the International Award Chapter (individually).
- Award of the State Committee for Scientific Research and the TV science program "Proton" for the extraordinary scientific achievements and the "Program of auditory brainstem implants in Poland" (individually).
- Award "Busola 2000" for restoring to people hearing and hope of escaping from the world of silence awarded by the weekly magazine "Przegląd" (individually).

#### 1999

Diploma for an outstanding presentation during the 2<sup>nd</sup> Asia Pacific Symposium on Cochlear Implants and Related Sciences in Seoul (Korea) for presentation *The first auditory brainstem implantation in Poland* (individually).

#### 1998

Award of the Minister of Health and Social Care for the extraordinary accomplishments in the field of health protection, including the elaboration of the universal program of screening tests for early detection of hearing disorders in newborns (individually and team leader).

- Title "Honorary Ambassador of Polish Congresses" awarded by the Polish Conference and Congress Association and the Department of Physical Culture and Tourism for promoting Poland as the country of congresses and conferences (individually).
- Distinction for generosity, kindness, understanding, cooperation, namely all that enables achieving the noble goals benefiting children and youths with impairments, awarded by the Chapter of the Stanisław Kostka Foundation of Help for Children and Youths with Impairments "Heart of Gold" (individually).

Award of the Minister of Health and Social Care for prof. Henryk Skarżyński and his team for developing the first Polish-language program of rehabilitation for deaf patients after cochlear implantation (team leader).

# 1994

- Title "Golden Engineer" awarded in the plebiscite organized by the magazine "Przegląd Techniczny" (individually).
- Award "Honorary Silver Ace" awarded by the Polish Promotion Corporation (individually).

# 1993

- Title "Citizen of Warsaw of the Year 1992" awarded in the plebiscite organized by the journal "Ekspress Wieczorny" and Warsaw Regional TV (individually).
- Distinction for the "Medical Event of the Year 1992" awarded by the Polish Business Club (individually).

#### 1992

Award "Parasol szczęścia" bestowed by the magazine "Twoje Dziecko" (individually).

#### 1985

Science Award in the Tytus Chałubiński National Science Competition (individually).

#### 1983

Henryk Skarżyński fourfold laureate (1983–2000) of the award of the Rector of the Medical Academy of Warsaw (individually).

Prof. J. Miodoński science award bestowed by the Board of the Polish Society of Otolaryngologists Head and Neck Surgeons (individually).

# 1978

Silver "Aesculapius" award in students' competition "Primus Inter Pares" (individually).

Bronze Medal of Merits for National Defense (individually).