University of Gdańsk

Subject card

Subject name and code	Rehabilitation of People with Implants, PG_00150698		
Field of study	Logopedics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level		Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to practical vocational preparation
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish polish language
Semester of study	6	ECTS credits	1.0
Learning profile	practical	Assessment form	
Conducting unit	Instytut Logopedii -> Faculty of Languages		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Maria Faściszewska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	15.0	0.0	0.0	0.0	15

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	15	1.0	9.0	25

Subject objectives

To familiarize the audience with the structure and function of the cochlear implant To discuss the selection and qualification criteria for cochlear implant surgery.To present the process of diagnosis and stages of rehabilitation of patients after single and bilateral cochlear implants. Various forms of rehabilitation activities.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[LOGJ5_U06] He has in-depth skills in identifying biomedical and psychological conditions of language problems and dysphagia in the patient, can analyze and interpret information gathered from medical and psychological sources and, using medical terminology, explain complex speech therapy problems.	Independently establishes a therapy plan for a cochlear implant patient	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[LOGJ5_W27] He knows and understands to an in-depth degree the processes of interpersonal and social communication and alternative communication; he has an in-depth knowledge of the development of communicative competence, especially linguistic competence and proficiency, in the norm and pathology, and ways to stimulate it, including in a group of people for whom Polish is a foreign language.	Knows the structure and principle of the implant (cochlear and truncal)	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
	[LOGJ5_U11] He is able to cooperate in teamwork with representatives of various sciences: physicians, psychologists, educators, teachers, in order to provide holistic care and therapy to his patients, using equipment and apparatus, as well as diagnostic and therapeutic methods used in social sciences and medical disciplines relevant to the field of Logopedics.	He understands the value of working closely with physicians, audiologists, audiologists, audiologists, psychologists, educators with the goal of providing holistic care and therapy to his patients.	[SU2] presentation/project/paper/ report [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[LOGJ5_U13] Recognizing the need to deepen knowledge of the structure and functioning of the human body (nervous system, hearing and speech organs), he is able to plan and implement his own learning in the social and medical sciences relevant to speech therapy.	The student is able to search, analyze, evaluate, select information using various sources and deepen his/her knowledge.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[LOGJ5_W05] He has the knowledge to independently diagnose speech and language development disorders and feeding disorders in children with complex neurological disorders and genetic defects, as well as coupled developmental problems, including sensory and cognitive deficits.	Has the knowledge to diagnose hearing disorders in people with cochlear implants.	[SW4] test/exam - oral or written [SW3] text preparation/written work
	[LOGJ5_W06] Has a structured and in-depth knowledge to program speech therapy for children with coupled developmental problems of complex etiology (cognitive deficits, sensory deficits and neurological damage).	He has extensive, in-depth and structured knowledge of the rehabilitation of patients implanted unilaterally and bilaterally allowing the programming of speech therapy.	[SW4] test/exam - oral or written [SW3] text preparation/written work
	[LOGJ5_K04] He is aware of his own limitations and knows when there is a need to turn to experts of fields relevant to speech therapy and committed cooperation with various institutions of health care and supporting educational, cultural and support activities.	Is aware of his own limitations, knows when to seek help from experts in related sciences	[SK8] observation of student's independent or team work

Subject contents	1. Criteria for patient selection and qualification for implant surgery (absolute and relative criteria). 2. Construction, principle of operation of cochlear and truncal implants. 3. The process of rehabilitation of patients after unilateral and bilateral cochlear implants. 4. Differences in rehabilitation in children and adults (duration of rehabilitation, evaluation of the effects and effectiveness of the procedure). 5. Cochlear implant fitting in young children.
Prerequisites and co-requisites	Passing the test on hearing test methods

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	50.0%
Therapiutic Handouts (50%), preparation of listening education exercises, listening training (30%), participation in class discussions (20%).	51.0%	50.0%

Recommended reading

Basic literature	• Szuchnik J.: Różne drogi rozwoju słuchowego dzieci z implantami ślimakowymi wybrane przypadki. Audiofonologia, 2003; 24: 14556. • Bieńkowska K. *Obustronna implantacja ślimakowa. Korzyści i trudności*. Pediatria Polska, 2016, 91, 595- 601. • Demenko G., Rychter L., Pruszewicz A., Szyfter W., Woźnica B. Testy do badania Słuchowej Percepcji Mowy (TBSPM) dla dzieci z implantami ślimakowymi, Otolaryngologia Polska, 1996, 50, 6, 628-632. • Geremek-Samsonowicz A., Kłonica L. K., Rostkowska J., Piełuć M., Skarżyński H. (2012). Model postępowania diagnostyczno-terapeutycznego wobec niemowlęcia i jego rodziny przed operacją wszczepienia implantu ślimakowego, Nowa Audiofonologia 1 (1), 119-125. • Mueller-Malesińska M., Program Rehabilitacji chorych po wszczepieniu implantu ślimakowego, Otolaryngologia Polska, 1998,52, 3, 367-370.
Supplementary literature	1. Skarżyński H, Szuchnik J, Mueller-Malesinska M. Implanty ślimakowe rehabilitacja. Warszawa: Stowarzyszenie Przyjaciół Osób Niesłyszących i Niedosłyszących; 2004. 2. Piotrowska A., Lorens A., Szuchnik J., Wojewódzka B., Kosmalowa J., Skarżyński H., Procedura przedoperacyjna kwalifikacji do wszczepienia implantu ślimakowego stosowana w Instytucie Fizjologii i Patologii Słuchu w Warszawie, Audiofonologia 2001, 20, 43-50. 3. Zalewska M.: Psychologiczne aspekty stwierdzenia głuchoty u dziecka. (W:) Rola J. (red.), Wybrane problemy psychologicznej diagnozy zaburzeń rozwoju dzieci. Wydawnictwo WSPS, Warszawa, 1998; 17786.
eResources addresses	Podstawowe https://www.youtube.com/watch?v=nniXRRH8HCE - Rehabilitation of patients after cochlear implantation. Differences in rehabilitation in children and adults. Duration of rehabilitation. Evaluation of the effects and effectiveness of the procedure. Lecturer: Agnieszka Pankowska, M.D., Department of Rehabilitation, IFiPS in Warsaw. https://www.youtube.com/watch?v=ykvgKU4PnL4 - Cochlear implant fitting in young children. How do you work with a young patient? How to evaluate whether the procedure was successful? What does the 6/6 criterion mean? Lecturer: Adam Walkowiak, MD, clinical engineer, Department of Implants and Auditory Perception, IFiPS in Warsaw. Uzupełniające Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	1. Rehabilitation of patients after cochlear implantation. 2. Differences in rehabilitation in children and adults after cochlear implantation. 3. Evaluation of the effects and effectiveness of the cochlear implant procedure. 4. Diagnostic and therapeutic management of the infant and his family before implant surger
Work placement	Not applicable