

## Otorhinolaryngology

### Educational subject description sheet

#### Basic information

<b>Department</b> Faculty of Medicine  <b>Field of study</b> Medical Program  <b>Study level</b> long-cycle master's degree program  <b>Study form</b> full-time  <b>Education profile</b> general academic  <b>Disciplines</b> Medical science  <b>Subject related to scientific research</b> Yes		<b>Didactic cycle</b> 2016/17  <b>Realization year</b> 2019/20  <b>Lecture languages</b> English  <b>Block</b> obligatory for passing in the course of studies  <b>Mandatory</b> obligatory  <b>Examination</b> examination  <b>Standard group</b> F. Clinical procedural sciences
<b>Subject coordinator</b>	Maciej Wiatr	
<b>Lecturer</b>	Jacek Składzień, Marcin Konior, Paweł Stręk, Jerzy Tomik, Maciej Wiatr, Sebastian Kocoń, Agnieszka Wiatr, Joanna Szaleniec, Karolina Hydzik-Sobocińska, Piotr Muszyński, Jolanta Gawlik, Patryk Hartwich	
<b>Periods</b> Semester 7, Semester 8	<b>Examination</b> examination  <b>Activities and hours</b> seminar: 10, classes: 40	<b>Number of ECTS points</b> 3.0

#### Goals

G1	- knowledge of the symptoms, course and procedures in specific disease entities of the mouth, head and neck, taking into account age groups
G2	- teaching the students how to recognise the most vital symptoms of laryngological diseases
G3	- providing the knowledge on current treatment methods of the most serious laryngological diseases
G4	- familiarizing the students with the principles of procedure in otolaryngological emergencies

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge – Student knows and understands:</b>			
W1	symptoms and course of diseases	O.W2	oral examination
W2	methods of diagnostic and therapeutic procedures appropriate for specific disease states	O.W3	oral examination
W3	ethical, social and legal conditions for practicing the medical profession and the principles of health promotion, based on scientific evidence and accepted standards	O.W4	oral examination
W4	the causes, symptoms, diagnostic and therapeutic management principles for the most common diseases requiring surgical intervention, taking into account the distinctness of childhood age, including in particular: 1) acute and chronic abdominal diseases, 2) thoracic diseases, 3) diseases of extremities and head, 4) fractures of bones and injuries to organs	F.W1	oral examination
W5	selected issues in the field of pediatric surgery, including traumatology and otorhinolaryngology, as well as acquired defects and diseases being indications for surgical treatment in children	F.W2	oral examination
W6	rules of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules of their performance and the most frequent complications	F.W3	oral examination
W7	principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	F.W4	oral examination
W8	postoperative treatment with analgesic therapy and postoperative monitoring	F.W5	oral examination
W9	indications and rules for the use of intensive care	F.W6	oral examination
W10	problems of modern imaging examinations, in particular: 1) radiological symptomatology of major diseases, 2) instrumental methods and imaging techniques used to perform therapeutic procedures, 3) the indications, contraindications and preparation of the patient for particular types of imaging examination and contraindications for the use of contrast agents	F.W10	oral examination
W11	issues related to laryngology, phoniatics and audiology, including 1) causes, clinical course, methods of treatment, complications and prognosis of diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx, 2) facial nerve disease and selected cervical structures, 3) rules for diagnostic and therapeutic management of mechanical injuries to the ear, nose, larynx and esophagus, 4) rules for emergency management in otorhinolaryngology, in particular in laryngeal dyspnea, 5) principles of diagnostic and therapeutic management of hearing, voice and speech impairments, 6) principles of diagnostic and therapeutic management of head and neck neoplastic diseases	F.W12	oral examination

W12	the most common complications of the procedures listed in F.W2	F.W18	oral examination
W13	the most common complications associated with anesthesia, sedation and perioperative period	F.W19	oral examination
<b>Skills - Student can:</b>			
U1	identify medical problems and prioritize medical management	O.U1	oral examination
U2	identify life-threatening conditions that require immediate medical intervention	O.U2	oral examination
U3	plan the diagnostic procedure and interpret its results	O.U3	oral examination
U4	implement appropriate and safe therapeutic treatment and predict its effects	O.U4	oral examination
U5	plan own learning activities and constantly learn in order to update own knowledge	O.U5	oral examination
U6	inspire the learning process of others	O.U6	oral examination
U7	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	O.U7	oral examination
U8	communicate and share knowledge with colleagues in a team	O.U8	oral examination
U9	critically evaluate the results of scientific research and adequately justify the position	O.U9	oral examination
U10	assist in a typical surgical procedure, prepare the surgical field and apply local anesthesia to the operated area	F.U1	oral examination
U11	use basic surgical instruments	F.U2	oral examination
U12	adhere to the principles of asepsis and antisepsis	F.U3	oral examination
U13	manage a simple wound, put on and change a sterile surgical dressing	F.U4	oral examination
U14	examine breasts, lymph nodes, thyroid gland and abdominal cavity in terms of acute abdomen and perform digital rectal examination	F.U6	oral examination
U15	evaluate the result of a radiological examination in the most common types of fractures, particularly long bone fractures	F.U7	oral examination
U16	manage external bleeding	F.U9	oral examination
U17	monitor the patient's condition in the post-operative period based on basic vital parameters	F.U12	oral examination
U18	evaluate the condition of the unconscious patient according to international scoring scales	F.U21	oral examination
U19	recognise the symptoms of increasing intracranial pressure	F.U22	oral examination
U20	can tie a single and surgical knot	F.U28	oral examination
U21	identify and indicate methods of management of traumatic peripheral nerve damage	F.U36	oral examination

U22	perform basic laryngological examination of the ear, nose, pharynx and larynx	F.U25	oral examination
U23	conduct an approximate hearing test	F.U26	oral examination
<b>Social competences - Student is ready to:</b>			
K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	O.K1	oral examination
K2	to be guided by the well-being of a patient	O.K2	oral examination
K3	respect medical confidentiality and patients' rights	O.K3	oral examination
K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease	O.K4	oral examination
K5	perceive and recognize own limitations and self-assessing educational deficits and needs	O.K5	oral examination
K6	promote health-promoting behaviors	O.K6	oral examination
K7	use objective sources of information	O.K7	oral examination
K8	formulate conclusions from own measurements or observations	O.K8	oral examination
K9	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	O.K9	oral examination
K10	formulate opinions on the various aspects of the professional activity	O.K10	oral examination
K11	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others	O.K11	oral examination

### Calculation of ECTS points

Activity form	Activity hours*
seminar	10
classes	40
preparation for classes	40
<b>Student workload</b>	<b>Hours</b> 90
<b>Workload involving teacher</b>	<b>Hours</b> 50
<b>Practical workload</b>	<b>Hours</b> 40

\* hour means 45 minutes

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	<ul style="list-style-type: none"> <li>- Acquainting with the principles of examination in otolaryngology.</li> <li>- Learning the proper diagnostic and therapeutic procedure in diseases of otolaryngological organs (congenital, chronic and emergency); (inflammatory, trauma, cancer and defects), including but not limited to:</li> <li>- throat and larynx and neck diseases, excluding thyroid disorders, with particular emphasis on the treatment of cancer of these organs.</li> <li>- principles of hearing disorders treatment,</li> <li>- inflammatory, allergic and cancer diseases of the nose and paranasal sinuses.</li> <li>- rehabilitation after surgery.</li> </ul>	W1, W10, W11, W12, W13, W2, W3, W4, W5, W6, W7, W8, W9, U1, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U2, U20, U21, U22, U23, U3, U4, U5, U6, U7, U8, U9, K1, K10, K11, K2, K3, K4, K5, K6, K7, K8, K9	classes, seminar

## Course advanced

### Teaching methods:

textual analysis, classes / practicals, clinical classes, demonstration, discussion, educational film, problem solving method, case study method, group work, assignments solving, seminar, Mentoring

Activities	Examination methods	Credit conditions
seminar	oral examination	min. 60% pts. + 1
classes	oral examination	min. 60% pts. + 1

### Additional info

attendance requirements: all classes and seminars

## Entry requirements

KNOWLEDGE OF THE BASICS OF ANATOMY AND ORGAN PHYSIOLOGY IN THE FIELD OF HEAD AND NECK. Attendance at classes and seminars is obligatory

## Literature

### Obligatory

1. Ophthalmology, Dermatology ENT. Seria Crash Course Seau-Tak Cheung, Niaz Islam, John McGuinness, Nicholas Strouthidis Elsevier Urban & Partner Egzamin 2006
2. Viktor A., Linke S., Dahlmann C. Otorynolaryngologia. Seria Crash Course. Elsevier Urban & Partner. Wrocław 2009

### Optional

1. Basic Otorhinolaryngology: A Step-by-Step Learning Guide, Second Edition R Probst, G Grevers, H Iro Thieme 2012

## Standard effects

Code	Content
F.U1	assist in a typical surgical procedure, prepare the surgical field and apply local anesthesia to the operated area
F.U2	use basic surgical instruments
F.U3	adhere to the principles of asepsis and antisepsis
F.U4	manage a simple wound, put on and change a sterile surgical dressing
F.U6	examine breasts, lymph nodes, thyroid gland and abdominal cavity in terms of acute abdomen and perform digital rectal examination
F.U7	evaluate the result of a radiological examination in the most common types of fractures, particularly long bone fractures
F.U9	manage external bleeding
F.U12	monitor the patient's condition in the post-operative period based on basic vital parameters
F.U21	evaluate the condition of the unconscious patient according to international scoring scales
F.U22	recognise the symptoms of increasing intracranial pressure
F.U25	perform basic laryngological examination of the ear, nose, pharynx and larynx
F.U26	conduct an approximate hearing test
F.U28	can tie a single and surgical knot
F.U36	identify and indicate methods of management of traumatic peripheral nerve damage
F.W1	the causes, symptoms, diagnostic and therapeutic management principles for the most common diseases requiring surgical intervention, taking into account the distinctness of childhood age, including in particular: 1) acute and chronic abdominal diseases, 2) thoracic diseases, 3) diseases of extremities and head, 4) fractures of bones and injuries to organs
F.W2	selected issues in the field of pediatric surgery, including traumatology and otorhinolaryngology, as well as acquired defects and diseases being indications for surgical treatment in children
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F.W10	problems of modern imaging examinations, in particular: 1) radiological symptomatology of major diseases, 2) instrumental methods and imaging techniques used to perform therapeutic procedures, 3) the indications, contraindications and preparation of the patient for particular types of imaging examination and contraindications for the use of contrast agents
F.W12	issues related to laryngology, phoniatrics and audiology, including 1) causes, clinical course, methods of treatment, complications and prognosis of diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx, 2) facial nerve disease and selected cervical structures, 3) rules for diagnostic and therapeutic management of mechanical injuries to the ear, nose, larynx and esophagus, 4) rules for emergency management in otorhinolaryngology, in particular in laryngeal dyspnea, 5) principles of diagnostic and therapeutic management of hearing, voice and speech impairments, 6) principles of diagnostic and therapeutic management of head and neck neoplastic diseases
F.W18	the most common complications of the procedures listed in F.W2
F.W19	the most common complications associated with anesthesia, sedation and perioperative period
O.K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures

<b>Code</b>	<b>Content</b>
O.K2	to be guided by the well-being of a patient
O.K3	respect medical confidentiality and patients' rights
O.K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease
O.K5	perceive and recognize own limitations and self-assessing educational deficits and needs
O.K6	promote health-promoting behaviors
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O.U8	communicate and share knowledge with colleagues in a team
O.U9	critically evaluate the results of scientific research and adequately justify the position
O.W2	symptoms and course of diseases
O.W3	methods of diagnostic and therapeutic procedures appropriate for specific disease states
O.W4	ethical, social and legal conditions for practicing the medical profession and the principles of health promotion, based on scientific evidence and accepted standards