

## **LECTURES OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY OF 5-th year General Medicine in Winter Term.**

1. Facial nerve
2. Cerebrospinal fluid leak, skull base tumors, pituitary tumor
3. Neck tumors, differential diagnosis and treatment, deep cervical infection
4. Hearing disorders and its rehabilitation
5. Chronic otitis media, complication of chronic otitis media, Surgical treatment of chronic otitis media. Otosclerosis
6. Dysphonia, causes and treatment
7. Peripheral vestibular diseases

## **PRACTICAL LECTURES OF OTORHINOLARYNGOLOGY AND HEAD AND NECK SURGERY OF 5-th year General Medicine in Winter Term.**

### **Monday:**

1. Propedeutics in ENT - otomicroscopy, examination of the function of the auditory tube - Valsalva's experiment, Toynbee's test, air shower according to Politzer, catheterization of the auditory tube. Hearing examination with tuning forks, hearing examination with loud speech and whispering. Anterior and posterior rhinoscopy, rhinoendoscopic examination. Examination of the oropharynx by inspection and palpation. Indirect laryngoscopy, laryngeal endoscopy, stroboscopy, flexible nasopharyngoscopy
2. Clinical anatomy of the ear, clinical physiology of the auditory organ and vestibular apparatus. History and symptomatology. Tone audiometry, suprathreshold tests, speech audiometry, tympanometry, examination of stapedial reflexes. Objective audiometry - OAE, BERA, ASSR. Examination of the vestibular apparatus - VOR: spontaneous nystagmus, Head impulse test, head shaking test. VSR – Halmstedt test, Romberg test, Unterberger-Fukuda test, gait, walking. Examination of positional nystagmus – Dix Hallpike's test.

### **Tuesday:**

1. Diseases of the external ear - congenital, inflammations, tumors, injuries, foreign bodies. Acute otitis media and its complications (mastoiditis, labyrinthitis).
2. Injuries of the middle and inner ear - eardrum rupture, damage to the chain of

auditory ossicles, barotrauma, fractures of the temporal bone, acute auditory trauma, damage by strong sound and pressure wave. Hearing damage due to noise, tinnitus, sudden idiopathic sensorineural hearing loss, presbycusis.

### **Wednesday:**

1. Anatomy of the nose and PNS. Physiology and pathophysiology of nasal breathing. Examination of the nose - history, symptomatology, inspection, palpation, anterior and posterior rhinoscopy, rhinoendoscopy, nasal patency examination - acoustic rhinomanometry, rhinomanometry. X-ray and CT of the nose and PNS. Congenital diseases of the nose, nasal cavity and PNS, Nasal septum deviation. Foreign body in the nose. Epistaxis. Inflammation of the external nose - folliculitis, furunculus, erysipelas, rhinophyma.
2. Acute rhinosinusitis. Chronic rhinosinusitis. Allergic rhinitis, non-infectious non-allergic rhinitis. Nasal polyposis, antrochoanal polyp. Complications of PNS inflammations. Concept of FESS. Tumors of the nose. Tumors of the nasal cavity and PNS, juvenile angiofibroma. Surgical treatment of nasal PNS tumors. DCRS, orbital decompression.

### **Thursday:**

1. Anatomy, clinical physiology and pathophysiology of the pharynx. Examination of the pharynx - history, symptomatology, inspection, palpation. Endoscopic examination methods - flexible nasopharyngoscopy, rigid hypopharyngoscopy, FEES. Imaging investigation methods. Congenital diseases of pharynx. Hyperplasia of the lymphatic circuit - vegetationes adenoidae, hyperplasia of the palatine tonsils, hyperplasia of the tongue tonsils. Inflammation of the tonsils - angina, chronic tonsillitis. Tumors of the oral cavity and oropharynx, tumors of the nasopharynx, tumors of the hypopharynx. Foreign bodies in the pharynx.

**Friday:**

1. Trachea - anatomy, history, examination, symptomatology, tracheobronchoscopy, imaging examination methods. Foreign bodies in the trachea and bronchy. Tracheal stenosis - examination and treatment. Salivary gland diseases - classification, examination, treatment. Esophagus - history, examination, diseases. Foreign bodies in the esophagus. Esophagoscopy.
2. Acute otitis in children. Acute rhinosinusitis in children, differential diagnosis of the neck tumors in children.