

Syllabus for teaching English – Medical Sciences C1 – UNICert® III.

1st Topic: *Structure and function of the human body*

structure of the body, basic facts about body functions, body regions, anatomical positions, planes and sections

2nd Topic: *Genetics*

structure of the cell, cell compartments, cell division, genotype, phenotype, genetics as a base for disease identification, cloning, human heredity

3rd Topic: *Haematology*

abnormalities of blood composition, blood groups, blood transfusion, blood donation in different cultures and religions, blood diseases and abnormalities in number of erythrocytes, leukocytes and platelets

4th Topic: *Cardiology*

blood vessels diseases, examining the heart and circulation (diagnostic procedures), risk factors, symptoms and treatment (heart failure, myocardial infarction, coronary artery disease), health promotion

5th Topic: *Gastrology*

location and function of organs of the digestive system, diseases (gastric ulcer, duodenal ulcer, pancreatitis, helicobacter pylori) and symptoms, importance of digestion, absorption, excretion to the body

6th Topic: *Urology*

the structure and function of the urinary tract, production of urine, pathological conditions (kidney, bladder and associated disorders), urinalysis as a diagnostic test, surgical procedures, genitourinary/sexually transmitted infections

7th Topic: *Hospitalization*

admission to hospital, review of most common diseases requiring hospitalization, types of hospital admissions, emergency department, triage process, minors and majors, what to do in case of an urgent medical event, duties and responsibilities of doctors and nurses, hospital jobs

8th Topic: *Taking a patient's history*

taking family and social history of the patient, specificity of communication with the elderly, children and young people, formal letter/e-mail writing (e.g. asking for examination of patient, for performing operation, etc.), instructions for physical examination

9th Topic: *Examination of a patient*

types of pain, describing symptoms, patient's medical record, initial assessment, hospital admission procedure and hospitalisation, monitoring a patient, taking vital functions, health care system in Slovakia and abroad

10th Topic: *Gynaecology and obstetrics*

structure of the female reproductive system, relationship between menstruation and pregnancy, hormonal interactions, birth in different cultures, contraception, abortion/interruption, pathological conditions, clinical procedures, sexually transmitted diseases

11th Topic: Paediatrics

children's infectious diseases (measles, scarlet fever, chicken pox, mumps, whooping cough), disorders in intellectual and physical development (autism, Down syndrome), learning and attention

12th Topic: Neurology

the structures (types) of the nervous system, understanding their relationships, major pathological conditions of nervous system (multiple sclerosis, cerebral palsy, epilepsy, traumatic brain injuries), clinical procedures

13th Topic: The Respiratory System

location and function of the organs of the respiratory system, breathing problems and diseases (asthma, chronic obstructive pulmonary disease, whooping cough, lung cancer, tuberculosis) – their risk factors, signs, symptoms and treatment, clinical procedures, surgical procedures, health promotion

14th Topic: The Sense Organs

the anatomy and physiology (the eye, the ear), pathological conditions, clinical procedures – operations

15th Topic: Geriatrics

problems related to aging, the aging brain, Alzheimer's disease, dementia, home care, aids used by the elderly, death and dying in different cultures, euthanasia

16th Topic: Psychiatry

differentiating among psychiatrists, psychologists and other specialists, psychiatric symptoms, major psychiatric disorders (schizophrenia, mania and melancholia), psychiatric examination

17th Topic: Oncology

characteristics of tumours, grading and staging systems, ways of treating cancer and their side effects

18th Topic: Infectious diseases and vaccination

epidemiology, difference between bacterial and viral diseases, the global impact of infectious diseases, vaccination

19th Topic: Surgery

classical surgery, microsurgery, recovery, equipment and instruments in operating theatre, stages of operation

20th Topic: Orthopaedics

major bones of the leg and the foot, most common sport-related injuries, managing injuries, classification of knee/ankle injuries, assessing injuries

21st Topic: Skin Disorders and Diseases

the structure and function of the skin and its accessory organs (hair, nails, glands), the types (degrees) of burns, the types of lesions, skin disorders, wounds and diseases (lacerations, contusions, abrasions, frostbite; acne, psoriasis, allergies, eczema, sunburns, skin cancer, MRSA), methods of administering medication

22nd Topic: The lymphatic and immune system

the role of lymphatic system (spleen, thymus, tonsils), types of white blood cells and their role, inflammatory reaction, immune response, immunodeficiency, active and passive immunization

23rd Topic: The endocrine system

the location, structure, function, relationships of glands and target organs, function of hormones, abnormal conditions of hypersecretion and hyposecretion

24th Topic: Dentistry

oral hygiene, the teeth (design and function), dental caries, tips for daily oral care, visit at the dentist's surgery

25th Topic: Radiology

X-ray, CT investigation, MRI, PET ultrasound investigation, radiation therapy

26th Topic: Pharmacology

administration of drugs, terminology of drug action, classes of drugs, prescribing drugs

27th Topic: Alternative medicine

types of therapy (acupuncture, homeopathy, reflexology, etc.), relaxing techniques, herbal remedies, natural medicines, alternative medicine/conventional medicine

28th Topic: Research in medical sciences I

research studies (case-control studies, cohort studies, trials, variables), conference presentation, tips for giving presentation, research data and results presentation (pie charts, line graphs), the structure of a presentation, expressing various communicative intentions, the role of non-verbal communication in oral performance

29th Topic: Research in medical sciences II

structure of CV, research article, abstract, letter and e-mail communication, filling in forms

30th Topic: Health promotion

nutrition, weight control, exercise, stress management, sleep, habit control, drug abuse, the prevention against various diseases, stages of prevention, health maintenance plan and its categories, risk factors

Complete list of resources

1. J. Babelová, L. Friedová: English for Medical Students. UK, Bratislava, 2007
2. B. Džuganová – J. Gresty: Angličtina pre lekárov a pracovníkov v zdravotníctve. Language Masters. Eastone Books 2014
3. Džuganová – P. Zrníková: English in General Medicine. UK, Bratislava, 2016
4. B. Džuganová: English for Dental Students. UK, Bratislava, 2015
5. M. Ellis – N. O'Driscoll: Giving presentation, Longman, 1992
6. E. Glendinning – B. Holmstrom: English in Medicine, CUP, 1987 (3rd edition 2005)
7. E. H. Glendinning – R. Howard: Professional English in Use. CUP, 2007
8. T. Grice: Nursing 1. Oxford University Press, 2007
9. D. E. Chabner: The language of medicine, 5th edition. W. B. Saunders Company. Philadelphia, Pennsylvania, USA, 1996
10. D. V. James: Medicine. Prentice Hall International Limited, 1992
11. P. C. Leonard: Building a medical vocabulary, 3rd edition. W. B. Saunders Company, Philadelphia, Pennsylvania, USA, 1993
12. M. Lloyd – R. Bor: Communication skills for medicine, Churchill Livingstone Elsevier, 2009
13. J. Parkinson: Angličtina pro lékaře (English original: A Manual of English for the Overseas Doctor), 5th edition. Grada Publishing, 2004
14. L. Peih-ying – J. Corbett: English in medical education. An intercultural approach to teaching languages and values, Short run press, UK, 2012
15. R. Ribees – P. R. Ros: Medical English, Springer, 2001
16. P. D. Sloane – L. M. Slatt, R. M. Baker: Essentials of Family Medicine, Williams and Wilkins, 1988

17. K. Studzińska-Pasieka – M. Otto: English for dental professional, Beston DENTInet.pl, Łódź, 2011
18. G. A. Thibodeau: Structure and Function of the Body. 9. wydanie. Mosby-year Book. Inc. St. Louis, Missouri, 1992
19. Internet