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| University: Comenius University in Bratislava | |
| Faculty: Faculty of Pharmacy | |
| Course Code: KFT/24-Mgr-A/20 | Course Name: Functional and pathological Anatomy |
| Type, Extent and Method of Educational Activities: lectures 2h/week, practicals 3h/week, per semester 28/0/42 Form of education – combination (attendance and distance) | |
| Number of Credits: 5 | |
| Recommended Study Semester/Trimester: 2nd semester | |
| Study Level: I.II (master) | |
| Prerequisite Courses: none | |
| Conditions for Course Completion: Personal attendance at all lectures and practicals. to pass 2 scheduled tests, each minimally 60% rate, <i>Evaluation (mark/success rate): A 91-100%, B 81-90%, C 71-80%, D 66-70%, E 60-65%, FX < 60%</i> . The final exam test is completed by students in computer or written form and by oral examination | |
| Results of Education: By passing the subject, the student acquires essential knowledge of the anatomy and physiology of the human body, individual organs, familiarize with the structure of tissues and basic anatomical and functional units. Student will recognise the functions of tissues, organs and also the regulatory, coordination and integration relationships between them. At the same time, he acquires basic knowledge from general pathology about cellular damage, regressive, metabolic and progressive changes at the level of the cell and subcellular structures, tissues and etiopathomechanisms, and manifestations of pathological changes at the organ level. | |
| Course Description: Human body – organization and structure, anatomical terminology. Structure of the human body – topography of organ systems, specific areas, relationship to function. Basic building and functional units of systems. Organization, functional anatomy of the organs of individual systems. Etiopathomechanisms of cellular damage, regressive, metabolic and progressive changes, inflammation, local disturbances of blood circulation and lymph. Metabolism disorders of proteins, fats, sugars (carbohydrates), water, vitamins and minerals. Developmental changes, structural lesions, disorders and functional changes in the individual organs of separate systems of the organism – nervous, cardiovascular, endocrine, respiratory, digestive, urogenital, sensory and skin. It acquires knowledge of rational nutrition and nutritional disturbances. | |
| Recommended Literature: Vander`'s Human Physiology 12 th Ed, McGraw/Hill, Ed., NY, by EP Widmaier, H Raff, KT Strang, 2011, ISBN 978/0/07/122215/0 Essentials of Human Physiology for Pharmacy, CEC Press, 2008, by LK McCorry (e-version) Essentials of Pathophysiology, 3 rd edition, by C.M. Porth. Ed. Lippincott and Wilkins: Philadelphia, 2011, ISBN 0781770874 General and Systemic Pathology, 4 th edition, by J.C.E. Underwood. Ed. Churchill Livingstone: NY, 2004 ISBN 0443073341/9780443073342 Textbook of pathology, 7 th edition, by H. Mohan. Ed. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India, 2014, ISBN 978-9351523697 Essentials of Pathophysiology for Pharmacy, 1st edition, MM Zdanovicz, CRC Press, 2002, by ISBN 781587160363 (e-version) Pathophysiology, by I Hulín, Bratislava: Slovak Academic Press, 1997, ISBN 80-85665-90-5 Lecture and exercise materials are available in Moodle's online system | |
| Language Requirements: English | |
| Notes: - | |
| Course Evaluation: total number of students since the course introduction: 45 summer course 2020 A – 0 %, B – 2 %, C – 4 %, D – 38 %, E – 44 %, Fx – 9 % 0 1 2 17 20 4 | |
| Teachers: : doc. MUDr. T. Stankovičová CSc., prof. PharmDr. J. Klimas, PhD., doc. PharmDr. A. Paul-Hrabovská, PhD., Mgr. L. Bies-Piváčková, PhD., PharmDr. T. Foltánová, PharmDr. T. Rajtík, PhD., PharmDr. S. Jankyová, PhD., PharmDr. Z. Kiliánová, PhD., PharmDr. E. Kráľová, PhD., Mgr. O. Sprušanský, PhD. | |
| Date of Last Update: 29.8.2020 | |
| Approved by: prof. PharmDr. Ján Klimas, PhD., MPH; head of the department | |