

**DESCRIPTION OF COURSE UNIT FOR DOCTORAL STUDIES
AT VILNIUS UNIVERSITY**

Scientific Area/eas, Field/ds of Science	Medical and Health Sciences (M 000): Medicine (M 001)			
Faculty, Institute, Department/Clinic	Faculty of Medicine, Institute of Clinical Medicine, Clinic of Gastroenterology, Nephrourology and Surgery			
Course unit title (ECTS credits, hours)	Urooncology 7 credits (196 hours)			
Study method	Lectures	Seminars	Consultations	Self-study
Number of ECTS credits	-	-	2	6
Method of the assessment (in 10 point system)	<p>Presentation and evaluation of the report: the report is presented on a target topic, which is coordinated with the consulting lecturers (the doctoral student must analyse, review and present the latest scientific publications related to the target topic). Criteria for evaluating the report (minimum qualifying score - 5): (a) relevance, novelty and accordance to the chosen topic (2 points); (b) general structure and scope of the report, clear presentation of the knowledge, reasoning, conciseness and concreteness (2 points); (c) Summary, presentation and justification of conclusions (1 point) (d) raising problematic issues, presenting the application of the reviewed knowledge in the dissertation (3 points); (e) organization of visual aids, ability to participate in a discussion, management of questions, oratory skills (2 points).</p>			
PURPOSE OF THE COURSE UNIT				
To get acquainted with the etiopathogenesis of urogenital cancer and the basics of modern diagnosis and treatment.				
THE MAIN TOPICS OF COURSE UNIT				
<p>Etiopathogenesis of prostate cancer. Geographical features of prostate cancer incidence. Benefits and limitations of PSA-Based Screening. Early diagnosis and radical treatments for early stages of prostate cancer. Minimally invasive treatment. Basics of hormone therapy for advanced prostate cancer.</p> <p>Etiopathogenesis and morbidity of renal cancer. Modern diagnostic methods. Radical surgical treatments. Minimally invasive treatment. Fundamentals of immunotherapy and target therapy for kidney cancer.</p> <p>Etiopathogenesis of bladder cancer based on molecular biology. Endoscopic diagnostics and endoscopic treatment methods. Photodynamic diagnostics and treatment. Reconstructive surgeries using intestinal segments after radical cystectomy. Tactics for the treatment of metastatic bladder cancer.</p> <p>Testicular tumours. Modern diagnostics of testicular cancer. Blood markers. Morbidity and basics of etiopathogenesis of germonogenic tumors. Combination therapy for testicular cancer: primary surgery, radiochemotherapy, retroperitoneal lymphadenectomy. Ways to preserve male potency and fertility.</p>				
RECOMMENDED LITERATURE SOURCES				
<ol style="list-style-type: none"> 1. Campbell-Walsh Urology 12th Edition, 2020 2. Hinmans's Atlas of Urologic Surgery , 4th edition. 2019 				

3. Urologic Surgical Pathology. Liang Cheng, Gregory T. Maclennan, David G. Bostwick. 2020
4. Smith's Textbook of Endourology 4th Edition, 2019.
5. Minimally Invasive Urology. Sara L. Best, Stephen Y. Nakada, 2014
6. Genitourinary radiology. Sixth edition. N.Reed Dunnick, 2017
7. European Urology Guidelines on Prostate Cancer. 2021.<http://uroweb.org/guideline/prostate-cancer/>.
8. European Urology Guidelines on Non-muscle-invasive Bladder Cancer. 2021 <http://uroweb.org/guideline/non-muscle-invasive-bladder-cancer/>.
9. European Urology Guidelines on Muscle-invasive and Metastatic Bladder Cancer. 2021 <http://uroweb.org/guideline/bladder-cancer-muscle-invasive-and-metastatic/>
10. European Urology Guidelines on Renal Cell Carcinoma. 2021
11. Principles and Practice of Urooncology. Gokhan Ozuigit, Ugur Selek, 2017.

CONSULTING LECTURERS

1. Coordinating lecturer: Feliksas Jankevičius (Prof. Dr.).

2. Arūnas Želvys (Assoc. Prof. Dr.).

3. Albertas Čekauskas (Assist. Prof. Dr.).

APPROVED:

By Council of Doctoral School of Medicine and Health Sciences at Vilnius University:
29th of September 2022

Chairperson of the Board: Prof. Janina Tutkuvienė