

LIST OF DISSERTATIONS TOPICS FOR DOCTORAL STUDIES COURSES IN 2019

MEDICINE AND HEALTH SCIENCES

Scientific areas	Topics of doctoral dissertations	Supervisors
MEDICINE – M 001 (First priority topics)	1. Modelling Immune Response and Microenvironment in Renal Cancer Tissue by Digital Pathology Methods	Prof. Arvydas Laurinavičius
	2. The diagnostic value of new generation Gamma ray semiconductor detectors in coronary artery disease diagnostics	Prof. Algirdas Edvardas Tamošiūnas
	3. Molecular and functional characterization of rare variants identified using next generation sequencing to determine pathogenicity of rare variants and disease mechanism	Doc. Eglė Preikšaitienė
	4. Characterisation of variants in mitochondrial and nucleus DNA in the group of patients with suspected mitochondriopathy	Dr. Laima Ambrozaitytė
	5. Iatrogenic endometrial injury prior IVF on endometrial gene expression and its efficacy on pregnancy rates	Prof. Diana Ramašauskaitė
	6. Factors determining glaucoma progression after the eye anterior segment surgery	Doc. Rimvydas Stanislovas Ašoklis
	7. The role of personalised rehabilitation in patients undergoing gastric cancer surgery	Prof. Kęstutis Strupas
	8. Assessment of sodium intake in Lithuanian population and its relationship to arterial hypertension and kidney damage markers	Prof. Marius Miglinas
	9. Comparative study of urothelial cancer diagnostic by reflection infrared spectroscopy, cytology and histology of tissue smears	Doc. Arūnas Želvys
	10. Biomarkers of Hidradenitis Suppurativa	Doc. Rūta Gancevičienė
	11. The value of visual perception, special visual phenomena and visual memory disorders for the early diagnosis of Alzheimer's disease	Prof. Gintaras Ferdinandas Kaubrys

	12. Investigation of the effectiveness, suicidal and violent behavior of drug addicts in rehabilitative therapeutic communities	Doc. Alvydas Navickas
	13. Early diagnosis of rheumatic diseases and morphological evaluation of treatment efficacy using high resolution ultrasound	Prof. Irena Butrimienė
	14. Real time evaluation of dynamic changes of the lungs during respiratory support of very low birth weight (<1500 g) babies using electric impedance tomography	Prof. Arūnas Valiulis
	15. Lung ultrasonography in diagnosing infectious children lung diseases	Prof. habil. dr. Vytautas Usonis
	16. Evaluation of molecular, clinical, histopathological characteristics of colon cancer associated with the primary location and their prognostic and predictive value	Prof. Kęstutis Strupas
	17. The role of immunological and angiogenic markers in assessing preeclampsia risk for early cardiovascular risk	Doc. Vilma Dženkevičiūtė
	18. Renal perfusion changes after aortic coarctation stenting (REPACO trial)	Prof. Virgilijus Tarutis
	19. Detection of clinical features, genetic, laboratory and arterial markers of familial hypercholesterolemia and their relationship to premature atherosclerosis and coronary heart disease	Prof. Žaneta Petrulionienė
	20. Use of intravascular imaging in the treatment of diffuse coronary artery disease	Prof. Giedrius Davidavičius
	21. Impact of different rehabilitation programs on mobility of lower limbs and muscle functions in children with feet deformities	Prof. dr. Juozas Raistenskis
MEDICINE – M 001 (Second priority topics)	1. Causes and outcomes of intensive care unit acquired weakness	Prof. Jūratė Šipylaitė
	2. Comparison of operative treatment of postoperative hernia of the abdominal wall with fixation and without fixation of the synthetic mesh: randomized prospective study	Prof. Gintautas Brimas
	3. Prognostic factors and effectiveness of endoscopic endonasal transsphenoidal skull base surgery	Prof. Eugenijus Lesinskas
	4. Effect of gallic acid esters on the formation of streptococcal	Doc. Tomas Kačergius

	biofilms	
	5. Myocardial infarction with non-obstructive coronary arteries: high dose statin treatment impact on epicardial artery physiology	Prof. Pranas Šerpytis
	6. Surgical treatment of ischemic heart disease. Long term results of arterial myocardial revascularization using A.radialis conduit	Doc. Gintaras Kalinauskas
	7. The impact of fecal transplantation on gut microbiota and clinical symptoms in children with autistic spectrum diseases	Doc. Vaidotas Urbonas
	8. Peculiarities of the use of mechanical assist devices in the critically ill elderly patients	Dr. Robertas Samalavičius
	9. The magnitude and location of residual myocardial ischemia in patients after percutaneous coronary intervention when PCI result was evaluated by FFR measurement	Prof. Giedrius Davidavičius
	10. Assessment of gut microbiome and bacterial blood stream infection genetic profiling in pediatric oncology and hematology	Doc. Jelena Rascon
	11. Peculiarities of detoxification of patients using prescription opioids	Prof. Jūratė Šipylaitė
	12. The importance of functional imaging in conservatively treated patients with lung cancer	Prof. Saulius Cicėnas
	13. Temporal lobe epilepsy: Analysis of epidemiological, magnetic resonance and electroencephalographic studies (Interrelationships and their prognostic value for seizure control)	Prof. Rūta Mameniškienė
	14. Evaluation of myocardial structural changes using T1, T2, T2* mapping	Prof. Nomedā Rima Valevičienė
ODONTOLOGY – M 002	1. Physicochemical characterization of flowable hydraulic tricalcium silicate-based root canal filling materials	Prof. Vytautė Pečiulienė
	2. Comparison of different techniques of cement excess reduction during cementation of implant restorations	Prof. Tomas Linkevičius
	3. Xerostomia, autoimmune and non-autoimmune sicca syndrome epidemiology, epigenetics and neuroimmune axis relation with oral health	Prof. Alina Pūrienė
	4. Evaluation of procedural errors frequency during endodontic treatment and their influence on tooth prognosis	Prof. Vytautė Pečiulienė

	5. Digital technologies for the registration and reproduction of static and dynamic occlusion	Doc. Vygandas Rutkūnas
PUBLIC HEALTH – M 004 (First priority topic)	1. Relationships among the psychomotor development of infant and the well-being of mothers with their determinants in the postpartum period	Prof. Rimantas Stukas
PUBLIC HEALTH – M 004 (Second priority topic)	1. The evaluation of effectiveness of harm reduction interventions and economical beneficiary between addicted persons	Prof. Natalja Fatkulina