

**UNIVERSITY INTEGRATED UNDERGRADUATE AND GRADUATE STUDY PROGRAMME OF MEDICINE IN ENGLISH
LANGUAGE – ACADEMIC YEAR 2025/2026**

		GRADUATION THESIS EVALUATION			
		COMMITTEE			
Titule of graduation thesis	Mentor	Committee Member #1 (Committee Chair)	Committee Member #2	Committee Member #3	
DEPARTMENT OF ANESTHESIOLOGY, REANIMATOLOGY, INTENSIVE CARE AND EMERGENCY MEDICINE					
1	VARIABILITY IN METABOLIC AND NUTRITIONAL DEMANDS AMONG DIFFERENT CRITICALLY ILL PATIENT GROUPS: A CLINICAL REVIEW	Assistant Professor Janja Tarčuković, MD, PhD	Professor Alen Protić, MD, PhD	Professor Vlatka Sotošek, MD, PhD	Associate Professor Goran Poropat, MD, PhD
2	EXTRACORPORAL CARDIOPULMONARY RESUSCITATION IN OUT-OF-HOSPITAL CARDIAC ARREST: PREDICTORS OF NEUROLOGICAL FAVORABLE OUTCOME	Professor Vlatka Sotošek, MD, PhD	Professor Alen Protić, MD, PhD	Assistant Professor Martina Pavletić, MD, PhD	Assistant Professor Janja Tarčuković, MD, PhD
DEPARTMENT OF BASIC AND CLINICAL PHARMACOLOGY AND TOXICOLOGY					
3	THERAPEUTIC POTENTIAL OF THE KETOGENIC DIET IN PHARMACORESISTANT EPILEPSY	Professor Elitza Petkova Markova-Car, PhD	Associate Professor Lara Batičić, PhD	Professor Kristina Pilipović, MD, PhD	Professor Renata Jurišić Grubešić, PhD

DEPARTMENT OF GENERAL PATHOLOGY AND PATHOLOGICAL ANATOMY					
4	THE ROLE OF REGULATORY T LYMPHOCYTES (TREGS) AND THE IMMUNE TUMOR MICROENVIRONMENT IN HR+/HER2-BREAST CANCER	Associate Professor Emina Babarović, MD, PhD	Associate Professor Manuela Avirović, MD, PhD	Associate Professor Petra Valković Zujčić, MD, PhD	Associate Professor Ita Hadžisejdić, MD, PhD
5	THE ROLE OF MACROPHAGES IN THE TUMOR MICROENVIRONMENT OF LARYNGEAL CANCER	Associate Professor Emina Babarović, MD, PhD	Associate Professor Ita Hadžisejdić, MD, PhD	Associate Professor Manuela Avirović, MD, PhD	Assistant Professor Blažen Marijić, MD, PhD
DEPARTMENT OF GYNECOLOGY AND OBSTETRICS					
6	PREVALENCE AND RISK FACTORS OF OVERACTIVE BLADDER IN POSTMENOPAUSAL WOMEN	Associate Professor Ines Krištofić, MD, PhD	Associate Professor Alemka Brnčić Fischer, MD, PhD	Associate Professor Tea Štimac, MD, PhD	Associate Professor Stanislav Sotošek, MD, PhD
7	A COMPARISON OF THE PSYCHOLOGICAL AND EMOTIONAL CONSEQUENCES OF A VAGINAL BIRTH VERSUS BIRTH BY CAESAREAN SECTION	Associate Professor Ines Krištofić, MD, PhD	Professor Vlatka Sotošek, MD, PhD	Associate Professor Tea Štimac, MD, PhD	Associate Professor Lana Glavan, MD, PhD
8	INFLUENCE OF PRE-PREGNANCY BODY MASS INDEX AND GESTATIONAL WEIGHT GAIN ON PREGNANCY OUTCOME	Associate Professor Tea Štimac, MD, PhD	Associate Professor Alemka Brnčić Fischer, MD, PhD	Assistant Professor Lana Glavan, MD, PhD	Associate Professor Ines Krištofić, MD, PhD

DEPARTMENT OF INFECTIOUS DISEASES					
9	HSV ENCEPHALITIS - TEN YEARS OF EXPERIENCE IN THE CLINIC FOR INFECTIOUS DISEASES RIJEKA	Associate Professor Đurđica Cekinović, MD, PhD	Associate Professor Irena Slavuljica, MD, PhD	Assistant Professor Siniša Dunatov, MD, PhD	Professor Marina Bubonja Šonje, MD, PhD
10	PRE-EXPOSURE PROPHYLAXIS OF HIV INFECTION - A PATHWAY OF ENDING THE HIV PANDEMIC?	Associate Professor Đurđica Cekinović, MD, PhD	Associate Professor Irena Slavuljica, MD, PhD	Professor Sandra Peternel, MD, PhD	Professor Marina Bubonja Šonje, MD, PhD
DEPARTMENT OF INTERNAL MEDICINE					
11	METABOLIC MODULATING FACTORS AND THE IMPACT OF NUTRITIONAL COMPOUNDS ON ENDOTHELIAL HEALTH IN PEOPLE LIVING WITH DIABETES	Associate Professor Sanja Klobučar, MD, PhD	Associate Professor Tomislav Jakljević, MD, PhD	Associate Professor Duška Petranović, MD, PhD	Assistant Professor Gordana Kendel Jovanović, PhD
12	THE EFFECTS OF RESISTANCE TRAINING ON INSULIN RESISTANCE AND METABOLIC HEALTH IN ADULTS	Associate Professor Sanja Klobučar, MD, PhD	Associate Professor Ivan Bubić, MD, PhD	Assistant Professor Neven Franjić, MD, PhD	Professor Ines Mrakovčić Šutić, MD, PhD
13	BARRETT'S ESOPHAGUS: A COMPREHENSIVE REVIEW OF ETIOLOGY, PROGRESSION AND TREATMENT	Assistant Professor Vanja Licul, MD, PhD	Associate Professor Goran Poropat, MD, PhD	Associate Professor Sanja Klobučar, MD, PhD	Assistant Professor Neven Franjić, MD, PhD

14	AI-ENHANCED TELECARDIOLOGY: EVALUATING THE CLINICAL IMPACT OF SMART WEARABLE DEVICES ON CARDIOVASCULAR CARE	Assistant Professor Teodora Zaninović Jurjević, MD, PhD	Assistant Professor Zlatko Čubranić, MD, PhD	Assistant Professor David Gobić, MD, PhD	Assistant Professor Vjekoslav Tomulić, MD, PhD
15	FROM MUTATION TO PERSONALIZED THERAPY: BIOCHEMICAL MECHANISMS OF MODERN ANTIBODIES AND INHIBITORS IN PEDIATRIC ONCOLOGY	Assistant Professor Kristina Krpina, MD, PhD	Associate Professor Ivana Mikolašević, MD, PhD	Associate Professor Iva Bilić Čače, MD, PhD	Associate Professor Lara Batičić, PhD
16	TUMOR-ASSOCIATED MACROPHAGE POLARIZATION AND MICROENVIRONMENTAL REGULATION IN MULTIPLE MYELOMA	Associate Professor Zinaida Perić, MD, PhD	Associate Professor Lara Batičić, PhD	Professor Goran Hauser, MD, PhD	Assistant Professor Neven Franjić, MD, PhD
17	CARDIOVASCULAR RISK ASSESSMENT IN SCUBA DIVERS THROUGH ANKLE- BRACHIAL INDEX MEASUREMENT	Assistant Professor Igor Barković, MD, PhD	Professor Alen Protić, MD, PhD	Associate Professor Tomislav Jakljević, MD, PhD	Associate Professor Ivan Bubić, MD, PhD
18	SEASONAL DIFFERENCE IN HEMOGLOBIN VARIABILITY AMONG MAINTENANCE HEMODIALYSIS PATIENTS TREATED WITH DIFFERENT ERYTHROPOIESIS STIMULATING AGENTS	Professor Sanjin Rački, MD, PhD	Associate Professor Ivan Bubić, MD, PhD	Associate Professor Tamara Turk Wensveen, MD, PhD	Assistant Professor Neven Franjić, MD, PhD

19	METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE (MASLD): KNOWLEDGE AMONG PHYSICIANS AND IMPLICATIONS FOR EARLY DIAGNOSIS AND MANAGEMENT	Associate Professor Sanja Klobučar, MD, PhD	Professor Sandra Milić, MD, PhD	Assistant Professor Vanja Licul, MD, PhD	Professor Dijana Detel, MD, PhD
DEPARTMENT OF MEDICAL BIOLOGY AND GENETICS					
20	THE ROLE OF GENE THERAPY IN THE TREATMENT OF INHERITED METABOLIC DISEASES	Associate Professor Sanja Dević Pavlić, PhD	Associate Professor Nina Pereza, MD, PhD	Professor Saša Ostojić, MD, PhD	Assistant Professor Lara Saftić Martinović, PhD
21	GENETIC TESTING IN AUTISM SPECTRUM DISORDERS: CURRENT UNDERSTANDING OF THE GENETIC BACKGROUND AND ITS CLINICAL APPLICATION	Associate Professor Sanja Dević Pavlić, PhD	Professor Saša Ostojić, MD, PhD	Associate Professor Nina Pereza, MD, PhD	Assistant Professor Lara Saftić Martinović, PhD
DEPARTMENT OF MEDICAL CHEMISTRY, BIOCHEMISTRY AND CLINICAL CHEMISTRY					
22	BIOCHEMICAL MARKERS IN THE ASSESSMENT OF METABOLIC DISEASES AND THE CORRELATION WITH MAGNETIC RESONANCE IMAGING	Associate Professor Lara Batičić, PhD	Assistant Professor Danijela Veljković Vujaklija, MD, PhD	Professor Hrvoje Jakovac, MD, PhD	Assistant Professor Kristina Krpina. MD, PhD

23	BIOCHEMICAL PATHWAYS LINKING STRESS AND SCHIZOPHRENIA: CORTISOL, DOPAMINE AND THEIR CLINICAL MANIFESTATIONS IN EARLY PSYCHOSIS	Associate Professor Lara Batičić, PhD	Professor Dijana Detel, MD, PhD	Associate Professor Marina Letica Crepulja, MD, PhD	Professor Marin Tota, PhD
24	BIOMECHANICAL MECHANISMS OF INTRINSIC SKIN AGING AND ANTI-AGING APPROACHES	Professor Dijana Detel, MD, PhD	Professor Gordana Čanadi Jurešić, PhD	Associate Professor Lara Batičić, PhD	Professor Marija Kaštelan, MD, PhD
25	OXIDATIVE STRESS, INFLAMMATION, AND NUTRITION: INTERCONNECTED ROLES IN NEONATAL DISEASES	Associate Professor Lara Batičić, PhD	Professor Gordana Čanadi Jurešić, PhD	Professor Robert Domitrović, PhD	Professor Kristina Pilipović, MD, PhD
26	THE ROLE OF REACTIVE OXYGEN SPECIES IN THE EFFECTS OF GENERAL AND INHALATIONAL ANESTHETICS ON AUTOIMMUNE DISORDERS	Associate Professor Lara Batičić, PhD	Professor Vlatka Sotošek, MD, PhD	Professor Robert Domitrović, PhD	Professor Dijana Detel, MD, PhD
27	GUT-BRAIN AXIS IN TYPE 2 DIABETES MELLITUS: PATHOPHYSIOLOGICAL INSIGHTS AND THERAPEUTIC STRATEGIES	Associate Professor Lara Batičić, PhD	Assistant Professor Marko Šestan, PhD	Assistant Professor Sunčica Buljević, PhD	Assistant Professor Iva Vukelić, PhD
28	ENGINEERED EXTRACELLULAR VESICLES AS DRUG DELIVERY VEHICLES FOR TARGETED GLIOMA THERAPY	Professor Marin Tota, PhD	Professor Nada Starčević- Čizmarević, PhD	Assistant Professor Iva Vukelić, PhD	Associate Professor Lara Batičić, PhD

29	THE BIOCHEMISTRY OF HANGOVERS- THE ROLE OF ETHANOL METABOLISM AND CONGENERS	Professor Dijana Detel, MD, PhD	Associate Professor Lara Batičić, PhD	Assistant Professor Sunčica Buljević, PhD	Assistant Professor Iva Vukelić, PhD
30	ANTI-INFLAMMATORY DIETARY APPROACHES AND THEIR EFFECT ON SURGICAL OUTCOMES IN RECONSTRUCTIVE MEDICINE	Associate Professor Lara Batičić, PhD	Associate Professor Aleksandra Pirjavec Mahić, MD, PhD	Professor Gordana Čanadi Jurešić, PhD	Assistant Professor Damir Grebić, MD, PhD
31	ALTERATIONS OF THE GUT-LIVER AXIS IN METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE AND THEIR ASSOCIATED MICROBIAL SIGNATURES	Associate Professor Lara Batičić, PhD	Associate Professor Ivana Mikolašević, MD, PhD	Professor Marina Bubonja Šonje, MD, PhD	Assistant Professor Damir Raljević, MD, PhD
32	THE ROLE OF THE GUT-BRAIN AXIS IN NEUROPSYCHIATRIC DISORDERS: ANXIETY, DEPRESSION, AND ATTENTION-DEFICIT/HYPERACTIVITY DISORDER	Associate Professor Lara Batičić, PhD	Assistant Professor Sunčica Buljević, PhD	Associate Professor Marina Letica Crepulja, MD, PhD	Assistant Professor Iva Vukelić, PhD
33	BIOCHEMICAL CORRELATES OF PSYCHEDELIC MICRODOSING IN MAJOR DEPRESSIVE DISORDER: EFFECTS ON NEUROPLASTICITY AND INFLAMMATORY PATHWAYS	Associate Professor Lara Batičić, PhD	Associate Professor Marina Letica Crepulja, MD, PhD	Professor Dijana Detel, MD, PhD	Professor Marin Tota, PhD

DEPARTMENT OF MICROBIOLOGY AND PARASITOLOGY

34	IN VITRO DETERMINEATION OF DIFFERENT STRAIN OF GRAM POSITIV AND GRAM NEGATIV BACTERIA SUSCEPTIBILITY TO DESINFECTANT INCIDIN.	Professor Marina Šantić, PhD CO-MENTOR: Petra Grbčić, PhD	Assistant Professor Mirna Mihelčić, PhD	Associate Professor Dijana Tomić Linšak, PhD	Professor Dijana Detel, MD, PhD
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DEPARTMENT OF NEUROSURGERY

35	ANALYSIS OF EARLY POSTOPERATIVE COMPLICATIONS AFTER SURGICAL TREATMENT OF CERVICAL SPINE INJURIES	Assistant Professor Hrvoje Šimić, MD, PhD	Assistant Professor Duje Vukas, MD, PhD	Assistant Professor Dean Giroto, MD, PhD	Assistant Professor Mirna Bobinac, MD, PhD
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DEPARTMENT OF NUCLEAR MEDICINE

36	VENTILATION-PERFUSION-SCINTIGRAPHY FOR THE DIAGNOSTICS OF PULMONARY EMBOLISM	Associate Professor Tatjana Bogović Crnčić, MD, PhD	Assistant Professor Maja Ilić Tomaš, MD, PhD	Associate Professor Neva Giroto, MD, PhD	Assistant Professor Danijela Veljković Vujaklija, MD, PhD
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37	MOLECULAR IMAGING IN ALZHEIMER'S DISEASE: THE ROLE OF PET AND RADIOTRACERS IN MODERN NUCLEAR MEDICINE	Associate Professor Tatjana Bogović Crnčić, MD, PhD	Associate Professor Neva Giroto, MD, PhD	Assistant Professor Maja Ilić Tomaš, MD, PhD	Assistant Professor David Bonifačić, MD, PhD
DEPARTMENT OF PEDIATRICS					
38	POST-COVID-19 IMMUNOLOGICAL REACTIONS IN CHILDREN	Professor Srđan Banac, MD, PhD	Associate Professor Kristina Lah Tomulić, MD, PhD	Associate Professor Đurđica Cekinović Grbeša, MD, PhD	Professor Ines Mrakovčić Šutić, MD, PhD
DEPARTMENT OF PSYCHIATRY AND PSYCHOLOGICAL MEDICINE					
39	MINDFULNESS-BASED INTERVENTIONS FOR ANXIETY IN ADOLESCENTS	Associate Professor Ana Kaštela, MD, PhD	Associate Professor Jasna Grković, MD, PhD	Assistant Professor Sandra Blažević Zelić, MD, PhD	Assistant Professor Ariesta Pavešić Radonja, MD, PhD
DEPARTMENT OF RADIOLOGY					
40	IMPACT OF MICRONUTRIENT DEFICIENCIES ON NEURODEVELOPMENT AND EPILEPTOGENESIS IN CHILDREN	Assistant Professor Danijela Veljković Vujaklija, MD, PhD	Associate Professor Lara Batičić, PhD	Assistant Professor Jelena Radić Nišević, MD, PhD	Assistant Professor Slavica Kovačić, MD, PhD

41	MOLECULAR BIOMARKERS FOR PREDICTING RADIOTHERAPY RESPONSE IN CANCER: TOWARDS PRECISION ONCOLOGY	Assistant Professor Danijela Veljković Vujaklija, MD, PhD	Associate Professor Lara Batičić, PhD	Associate Professor Manuela Avirović, MD, PhD	Associate Professor Tatjana Bogović Crnčić, MD, PhD
DEPARTMENT OF SURGERY					
42	SURGICAL MANAGEMENT OF ELECTIVE AORTIC ARCH PATHOLOGY	Associate Professor Igor Medved, MD, PhD	Professor Miljenko Kovačević, MD, PhD	Associate Professor Marko Zelić, MD, PhD	Professor Željko Župan, MD, PhD
43	MANAGEMENT OF VARICOCELE IN CHILDREN AND ADOLESCENTS	Associate Professor Ana Bosak Veršić, MD, PhD	Assistant Professor Suzana Sršen Medančić, MD, PhD	Associate Professor Nado Bukvić, MD, PhD	Professor Josip Španjol, MD, PhD
DEPARTMENT OF UROLOGY					
44	BIOMARKERS FOR EARLY RECOGNITION OF PROSTATE CANCER	Professor Josip Španjol, MD, PhD	Associate Professor Romano Oguić, MD, PhD	Assistant Professor Stanislav Sotošek, MD, PhD	Assistant Professor Antun Gršković, MD, PhD

Acting Vice Dean for Teaching
Professor Ivana Marić, MD, PhD

