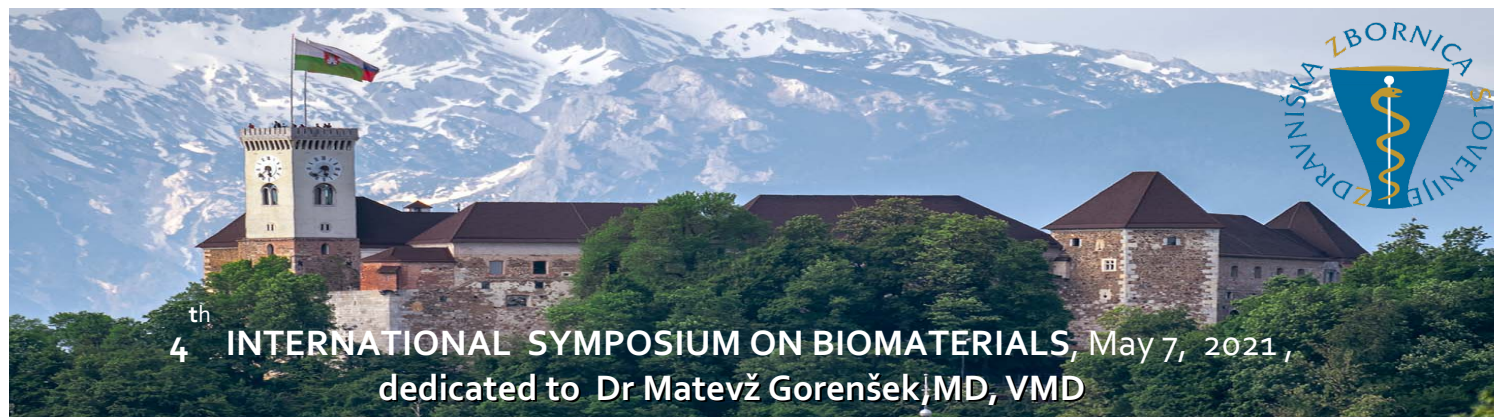




Matevž Gorenšek

(1972-2020)

4th International Symposium on Biomaterials

Chair: Prof. Dr. Drago Dolinar, MD

Scientific Committee:

Drago Dolinar, Orthopaedic Surgery Dept, UMC Ljubljana, Slovenia
Monika Jenko, MD-RI Institute Materials Research in medicine, IMT Ljubljana, Slovenia
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Čedomir Oblak, Faculty of Medicine, University of Ljubljana, Slovenia
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Drago Dolinar, Orthopaedic Surgery Dept, UMC Ljubljana, Slovenia
Monika Jenko, Institute of Metals and Technology Ljubljana, Slovenia, MD-RI
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Barbara Šetina Batič, Institute of Metals and Technology Ljubljana, Slovenia

4th INTERNATIONAL SYMPOSIUM ON BIOMATERIALS 2021

Chair

Prof. Dr. Drago Dolinar, MD

Organized by

MD-RI Institute for Materials Research in Medicine, Ljubljana, Slovenia

Co-organized by

MD Medicina, Sanatorium Ljubljana, Slovenia

Institute of Metals and Technology, IMT, Ljubljana, Slovenia

Faculty of Medicine, University of Ljubljana, Slovenia

Dept. for Orthopaedic Surgery UMC Ljubljana, Slovenia

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FRIDAY May 07, 2021

Opening		
8:30	Chair	Drago Dolinar
	Minister of Health of Republic of Slovenia	Janez Poklukar
	President of Medical Chamber of Slovenia	Bojana Beovič
	General Director UMC Ljubljana	Jože Golobič
	Scientific Director UMC Ljubljana	Jadranka Buturovič Ponikvar
	Dean of Faculty of Medicine UNI-LJ	Igor Švab
	Chair of Dental Dentistry FM UNI-LJ	Jana Jan
9:00	In memoriam Matevž Gorenšek	Zdenka Čebašek Travnik, Drago Dolinar
9:30	Plenary <u>Bojana Beovič</u>	COVID 19 in Slovenia
10:00 virtual	Plenary <u>Andrej Trampuž</u>	LOCAL ANTIMICROBIAL DELIVERY SYSTEMS FOR TREATMENT OF BONE AND IMPLANT INFECTION: INNOVATIVE SOLUTIONS IN THE ERA OF MICROBIAL RESISTANCE AND PERSISTENCE
10:30	Invited <u>Aljaž Merčun</u> , Oskar Zupanc, Rok Vengust, Drago Dolinar, Boštjan Kocjančič	THE ORTHOPEDIC SERVICE IN UMC LJUBLJANA DURING COVID-19 PANDEMIC
10:45	Invited <u>Samo Karl Fokter</u>	MODULAR NECK FRACTURES IN Ti6AL4V BI-MODULAR FEMORAL STEMS AFTER PRIMARY TOTAL HIP ARTHROPLASTY
11:00	Invited <u>Drago Dolinar</u> , Miro Gorenšek, Boštjan Kocjančič, Matjaž Godec, Borut Žužek, Monika Jenko	PREMATURE FRACTURE OF A MODULAR FEMORAL NECK AFTER TOTAL HIP ARTHROPLASTY: COMPARISON OF TWO DIFFERENT STEM-NECK ALLOYS
11:15	Invited <u>Oskar Zupanc</u> , Timon Zupanc, Uroš Meglič	ARTHROSCOPIC TREATMENT OF ANTERIOR ELBOW IMPINGEMENT IN PROFESSIONAL ATHLETE
11:30	Invited <u>Rok Vengust</u> , Miha Vodičar, Lovro Suhodolčan, Klemen Bošnjak, Jure Leban, Špela Bračun	INTERVERTEBRATE CAGE NOW AND IN THE FUTURE
11:45	Invited <u>Blaž Mavčič</u> , Luka Kropivšek, Samo Roškar, Lenart Zore, Vane Antolič	IMPLANT SURVIVAL OF 2571 HIP ARTHROPLASTY CASES WITH THE CEMENTED LINK SP-II CoCrMo FEMORAL STEM AND UP TO 30-YEAR FOLLOW-UP
12:00	Invited <u>Rihard Trebše</u> , Peter Brumat, Rene Mihalič	CLINICAL ADVANTAGES OF COMPUTER AIDED PERIACETABULAR OSTEOTOMY
12:15	Invited <u>Samo Zver</u>	CAR-T (CHIMERIC ANTIGEN RECEPTOR THERAPY): NEW TREATMENT T-LYMPHOCYTE MODALITY OF HEMATOLOGICAL AND SOLID TUMOR MALIGNANT DISEASES
12:30	Invited <u>Boštjan Kocjančič</u> , Drago Dolinar	PATIENT BLOOD MANAGEMENT FROM ORTHOPEDIC PERSPECTIVE
12:45 virtual	Invited <u>Matjaž Godec</u> , Irena Paulin, Črtomir Donik, Jaka Burja, Jakob Kraner, Aleksandra Kocijan	PHASE TRANSFORMATIONS IN BIODEGRADABLE FE-MN ALLOYS
13:00 virtual	Invited <u>Veronika Kralj-Iglič</u> , Gabriella Pocsfalvi, Luka Mesarec, Vid Šuštar, Darja Božič, Matej Hočevar, Marko Jeran, Henry Hägerstrand, Aleš Iglič	MECHANISM OF FORMATION OF CELLULAR NANOVESICLES
13:15 virtual	Invited <u>Ekaterina Gongadze</u> , Tomaž Slivnik, Veronika Kralj-Iglič, Aleš Iglič	ELECTROSTATICS OF NANOSTRUCTURED METAL SURFACES IN CONTACT WITH ELECTROLYTE SOLUTION
13:30 virtual	Invited <u>Simon Hawlina</u>	FIRST EXPERIENCE OF ROBOT ASSISTED LAPAROSCOPIC PARTIAL NEPHRECTOMY IN SLOVENIA
13:45	Invited <u>Klemen Steblovnik</u> , Matjaž Bunc	TECHNICAL ASPECTS AND DEVELOPMENT OF TRANSCATHETER AORTIC VALVE IMPLANTATION



14:00	Invited <u>Andreja Marn Pernat</u>	THERALITE MEMBRANE FOR RENAL RECOVERY IN PATIENTS WITH ACUTE DIALYSIS-DEPENDENT MYELOMA CAST NEPHROPATHY
14:15-14:45		LUNCH
14:45	Invited <u>Čedomir Oblak</u>	THE USE OF COMPUTER TECHNOLOGIES IN PROSTHETIC DENTISTRY
15:00	Invited <u>Rok Gašperšič, Barbara Zakošek, Andrej Cör, Peter Veranič, Uroš Kovačič</u>	SPONTANEOUS AND ENHANCED HEALING OF SUBCRITICAL-SIZED CALVARIAL DEFECTS IN AGED RATS
15:15	Invited <u>Uroš Kovačič, Rok Gašperšič, Lucija Kadunc, Duško Lainšček, Boris Turk, Miha Butinar Roman Jerala, Iva Hafner-Bratkovič</u>	CELL DEVICES SECRETING TGF- β SIGNIFICANTLY ENHANCE CALVARIAL BONE HEALING IN RATS
15:30	Invited <u>Maja Ovsenik, Rok Ovsenik, Tadeja Kosec, Andraž Legat, Janez Kovač, Monika Jenko, Drago Dolinar</u>	BEHAVIOUR OF ORTHODONTIC ARCHWIRES IN VITRO AND IN VIVO - A CONTEMPORARY TECHNOLOGICAL OVERVIEW
15:45	Invited <u>Nataša Ihan Hren, Zala Skomina</u>	THREE-DIMENSIONAL FACIAL CHARACTERISTICS IN OLDER ADULTS COMPARED TO YOUNG ADULTS
16:00	Invited <u>Boris Gašpirc</u>	THE USE OF BIOMATERIALS IN PERIODONTAL REGENERATION
16:15	Invited <u>Vojka Gorjup, Špela Tadel Kocjančič</u>	THE USE OF BIOCOMPATIBLE MEMBRANES IN INTENSIVE CARE MEDICINE
16:30	Invited <u>Lea Papst</u>	ADVANCES IN ANTIBACTERIAL PROPERTIES OF ORTHOPAEDIC IMPLANTS
16:45	Invited <u>Boris Jerman, Andreja Marn Pernat, Marjana Dolinar, Drago Dolinar</u>	THE INFLUENCE OF BODY POSITION ON THE BLOOD PRESSURE MEASUREMENT RESULTS
17:00	Invited <u>Marjetka Conradi, Klemen Avsec, Monika Jenko, Drago Dolinar</u>	SURFACE PROPERTIES OF Ti6Al7Nb ALLOY FEMORAL STEMS
17:15	Invited <u>Barbara Šetina Batič, Monika Jenko, Drago Dolinar</u>	MICROSTRUCTURAL INVESTIGATION OF ORTHOPAEDIC IMPLANTS USING SCANNING ELECTRON MICROSCOPY AND RELATED TECHNIQUES
17:30	Invited <u>Mojca Amon, Friderika Kresal</u>	TELEPHYSIOTHERAPY: IS VIRTUAL REALITY EFFECTIVE IN ORTHOPAEDIC CLINICAL EXAMINATION?
17:30-18:30		YOUNG RESEARCHER PhD STUDENTS
17:30	<u>Klemen Avsec, Boštjan Kocjančič, Monika Jenko, Drago Dolinar</u>	BIOMATERIALS USED IN ZM CEMENTLESS TOTAL HIP ARTHROPLASTY –RECENT UPDATES
17:40	<u>Niharika Rawat, Metka Benčina, Ita Junkar, Eva Levičnik², Aleš Iglič</u>	SURFACE MODIFICATION OF MEDICAL STAINLESS STEEL
17:50	<u>Matej Zrimšek, Andreja Marn Pernat</u>	CHANGES IN HEMOSTASIS DURING PLASMAPHERESIS TREATMENT ASSESSED WITH ROTATIONAL THROMBELASTOMETRY (ROTEM)
18:00	<u>Rok Ovsenik, Miha Pirc, Rok Schara, Jasmina Primožič, Janez Kovač, Monika Jenko, Boris Gašpirc</u>	LASER TECHNOLOGY IN TREATMENT OF GINGIVAL ENLARGEMENT - A 3D EVALUATION
18:10	<u>Miha Verdenik</u>	THE ERRORS IN THREE DIMENSIONAL (3D) FACIAL SURFACE SCANNING
18:30		CLOSING CEREMONY
POSTER SESSION		
P01	Viktor Angjeleski, Jana Jan, Lidija Nemeth	FIRST EXPERIENCES WITH PHOTOBIMODULATION OF SALIVARY GLANDS IN HIGH CARIES RISK PATIENTS WITH CHRONIC GRAFT VERSUS HOST DISEASE
P02	Luka Birk, Leja Birk, Ksenija Cankar, Lidija Nemeth	PULSE OXIMETRY AND LASER DOPPLER FLUXMETRY AS NEW DIAGNOSTIC AIDS IN ENDODONTICS: A CLINICAL CROSS-SECTIONAL STUDY ON CARIOUS PERMANENT



		TEETH WITH DIFFERENT STAGES OF CARIES PROGRESSION
P03	Nina Vovk, Manca Urek , Ksenija Cankar, Lidija Nemeth	THE EFFECT OF CHRONIC GRAFT VERSUS HOST DISEASE AND ITS TREATMENT WITH EXTRACORPOREAL PHOTOPHERESIS OR CYCLOSPORINE ON FACTORS OF ORAL HEALTH AND ORAL HEALTH RELATED QUALITY OF LIFE
P04	Ana Tenyi, Lidija Nemeth, Ksenija Cankar, Aleksandra Milutinović Živin	OVERVIEW OF TECHNOLOGIES USED FOR DECALCINATION OF MINERALIZED TOOTH STRUCTURE FOR HISTOLOGICAL EXAMINATION OF DENTAL PULP TISSUE
P05	Bojana Krneta Đokić, Maja Ovsenik	THE USE OF 3DMD TECHNOLOGY IMAGING SYSTEM IN ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS - THE EVALUATION OF TREATMENT OUTCOME
P06	Lea Bukovac, Tjaša Simončič, Boštjan Lavriša, Maja Ovsenik, Nataša Ihan Hren, Monika Jenko	BIOCOMPATIBILITY AND CORROSION ANALYSIS OF MINISCREW ANCHORAGE DEVICE
P07	Meta Grilec, Aljaž Golež, Maja Ovsenik	THREE-DIMENSIONAL TECHNOLOGY IN THE ASSESSMENT OF UPPER JAW MORPHOLOGY – THE INTER AND INTRA-RATER RELIABILITY
P08	Sandi Kavčič	METALIC BIOCOMPATIBLE MATERIALS IN MEDICINE
P09	Anamarija Kuchler, Alenka Novšak	BIOCOMPATIBLE MATERIALS IN DENTISTRY
P10	Igor Belič, Beno Klopčič, Andraž Logar, Monika Jenko, Drago Dolinar, Boštjan Kocjančič	SONIC RESONANCE OF FEMORAL PART OF HIP ENDOPROSTHESIS

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