

1st International Conference

**TRANSLATIONAL
AND
CLINICAL MEDICINE**

Faculty of Medicine

Ivane Javakhishvili Tbilisi State University



5-7 May, 2022

Tbilisi, Georgia

Conference is financed by Shota Rustaveli National Foundation of Georgia



Dear Sir/Madam,

It is our pleasure to invite you to the 1st International Conference

TRANSLATIONAL AND CLINICAL MEDICINE

on 5-7 May, 2022. The conference is organized by the Faculty of Medicine, Ivane Javakhishvili Tbilisi State University in collaboration with American Hospital Tbilisi and Todua clinic.

The work at the conference will proceed in the following sessions:

- ✦ **Surgery and Transplantation**
- ✦ **Innovations and Technologies in Medicine**
- ✦ **Medical Imaging and Diagnostics**
- ✦ **Oncology and Palliative Care**
- ✦ **Research in Cardiology**
- ✦ **Biomedical Research**

Location: TSU 1st Building, I. Chavchavadze Ave 1.



AMERICAN
HOSPITAL TBILISI



TODUA CLINIC

Invited Speakers



Christian Mawrin
Germany



Wolfgang Aulitzky
Austria



Nadey Hakim
United Kingdom



Javier Padillo
Spain



Stein Kaasa
Norway



Otto Rienhoff
Germany



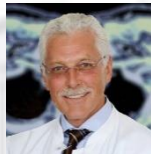
Henning Dralle
Germany



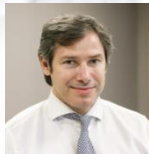
Andrew Gumbs
France



Konrad Karcz
Germany



Maximilian
Reiser, Germany



Oleg Rummo
Belarus



Daniel Hanley
USA



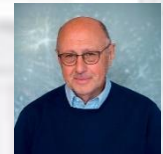
Alexander
Truskinovsky, USA



Marom Sareli
Israel



Zaal Kokaia
Sweden, Georgia



David Prangishvili
France, Georgia

Scientific Committee:

- Prof. Dimitri Kordzaia
- Prof. Javier Padillo
- Prof. David Prangishvili
- Prof. Zaal Kokaia
- Keti Tsomaia



Dimitri Kordzaia



Keti Tsomaia



Lika Svanadze



Mariam
Mkervalishvili



Merab Vachnadze

Organizational Committee:

- Lika Svanadze
- Mariam Mkervalishvili
- Merab Vachnadze

Thursday, 5th May, 2022

9:00 – 10:00	Registration of Participants (TSU 1st building, large assembly hall)
10:00 – 11:00	Opening Ceremony of the conference (TSU 1st building, large assembly hall) Welcome Speech – Rector TSU, Prof. George Sharvashidze Vise Minister of Education and Science of Georgia – Prof. Nunu Mitskevichi Vise Rector, TSU – Prof. Nino Okribelashvili Dean of the Faculty of Medicine, TSU – Prof. Dimitri Kordzaia
11:00 – 11:30	Coffee Break
Session 1: Surgery and Transplantation Chairs: Merab Kiladze, Javier Paddilo Location: Auditorium N107, TSU 1st Building	
11:30 – 11:50	Andrew A. Gumbs (France) Study: International Multi-centric Minimally Invasive Liver Resection for Colo-Rectal Liver Metastases (SIMMILR-CRLM)
11:50 – 12:10	Javier Padillo (Spain) 3D printing for personalized medicine in surgery
12:10 – 12:30	Merab Kiladze (Georgia) Successful Surgical Removal of Firmly Impacted Pancreatic Duct Stents
12:30 – 12:50	Irakli Gogokhia (Georgia) Use of dexmedetomidine in surgical practice for multimodal opioid free anesthesia
12:50 – 14:00	Lunch
14:00 – 14:20	Oleg Rummo (Belarus) Liver transplantation within acute liver failure
14:20 – 14:40	Sandro Kiladze, T. Kasradze, I. Chokhonelidze, G. Tomadze, O. Kalachik (Georgia) Results of Kidney Transplantation (Single center experience)
14:40 – 15:00	Teimuraz Chigogidze, Teimuraz Dochviri, Nino Gabunia (Georgia) Supravesical urinary diversion by using the intestine
15:00 – 15:20	Malkhaz Mizandari (Georgia) Image Guided Percutaneous Pancreatic Duct Drainage: What for and Why?
15:20 – 15:40	Irakli Chelishvili, Gocha Chutkerashvili, Giga Chachia (Georgia) Surgical treatment of the trigeminal nerve
15:40 – 16:00	<i>Discussion</i>
Session 2: Innovations and Modern Technologies in Medicine Chair: Zaal Kokaia Location: TSU Museum, TSU 1st Building	
11:30 – 12:10	Wolfgang Aulitzky (Austria) Open Medical Institute
12:10 – 12:30	Zaal Kokaia (Sweden, Georgia) Restoration of cortical network after ischemic stroke
12:30 – 12:50	Zurab Kakabadze, Teona Paresishvili (Georgia) Local drug delivery system for the treatment of tumor
12:50 – 14:00	Lunch

14:00 – 14:20	Konrad Karcz (Germany) Computer guided surgery – a coming reality by robot-assisted surgery
14:20 – 14:40	Nodar Khodeli, Zurab Chkhaidze, Nino Inauri (Georgia) Machine perfusion based subnormothermic preservation of the organs in-situ, in block and ex-vivo
14:40 – 15:00	Gia Pataraiia, Nana Chanturidze, Tatiana Mermanishvili (Georgia) The need for investigation and prevention the long-term results of harmful exposure to lead
15:00 – 15:20	Oleg Golovachovi, Mariam Golovachovi (Georgia) Colagenoplasty in Ophthalmology
15:20 – 15:40	Merab Khvadagiani, Giorgi Khvedelidze (Georgia) Radiofrequency Volume Reduction (RAVOR) of the inferior Nasal Turbinates
15:40 – 16:00	<i>Discussion</i>
Session 3: Medical Imaging and Diagnostics Chair: Sophio Kakhadze Location: Todua Clinic (Address: Tevdore Mgvdeli St. 13)	
12:30 – 12:50	Christian Mawrin (Germany) Molecular Neuropathology in the 21 th century
12:50 – 13:10	Maximilian, Reiser (Germany) Bone marrow edema as visualized in MRI – what does it mean?
13:10 – 13:30	Merab Beraia (Georgia) Electromagnetic properties of the arterial blood flow
13:30 – 13:50	Ana Margvelashvili (Switzerland, Georgia) Bio-medical imaging and its application beyond clinical medicine
13:50 – 14:30	Lunch
14:30 – 14:50	Sophio Kakhadze (Georgia) Multiparametric MRI for prostate cancer characterization
14:50 – 15:10	Liana Gogiashvili (Georgia) Cardiac Myxoma: 13 clinical cases analysis and Review
15:10 – 15:30	Mikheil Okujava (Georgia) The role of neuroimaging in COVID-19 pandemic
15:30 – 15:50	Alexander Truskinovsky (USA) - online The Morphologic Features of Treated Carcinomas and Their Prognostic Significance
15:50 – 16:10	<i>Discussion</i>
Session 4: Oncology and Palliative Care Chairs: Stein Kaasa, Tamar Rukhadze Location: Auditorium N115, TSU 1st Building	
11:30 – 11:50	Stein Kaasa (Norway) Patient centered care – An integrated part of oncology care?
11:50 – 12:10	Tamar Rukhadze (Georgia) Benefits of implementation of early intervention of symptom management in patients-oriented care
12:10 – 12:30	David Tabagari, Mariam Zhvania, Tamta Makharadze, Elene Dolmazashvili, Salome Kordzaia (Georgia)

	Successful immunotherapy for advanced cases of lung cancer
12:30 – 12:50	Levan Gogichaishvili (Georgia) Risk of development, Outcome, and new tumor markers of a Hepatocellular Carcinoma
12:50 – 14:00	Lunch
14:00 – 14:20	Kote Mardaleishvili, Tamar Baramidze, Davit Gviniashvili, Aleksandre Sulava (Georgia) Immediate and distant consequences of surgical treatment of malignant tumors of the oral cavity
14:20 – 14:40	Mariam Kakabadze (Georgia) Local drug delivery system for the treatment of tongue squamous cell carcinoma
14:40 – 15:00	Nugzar Kalandarishvili (Georgia) Modern Radiotherapy for Brain Tumors
15:00 – 15:20	Mikheil Jangavadze (Georgia) Application of liquid biopsy for Hepatocellular carcinomas using Plasma circulating p28/Gankyrin RNA and miRNA-s
15:20 – 15:40	Discussion
Session 5a: Research in Cardiology Chair: Vakhtang Chumburide Location: Library Hall, TSU 1st Building	
11:30 – 11:50	Bezhan Tsinamdzgvrishvili, Dali Trapaidze, Tamar Abesadze, Nino Gogilashvili (Georgia) Hypertension screening in Georgia between 2017-2021
11:50 – 12:10	Khatuna Jalabadze (Georgia) QT prolongation after PVCs – a new diagnostic criteria for Long QT Syndrome or for life threatening arrhythmia
12:10 – 12:30	Mikheil Tsverava, Dimitri Tsverava (Georgia) Ultrasound in diagnosis of pulmonary congestion in patients with heart failure
12:30 – 12:50	Merab Tsagareli, Ivliane Nozadze (Georgia) NSAIDs Attenuate TRP Channels Activated by their Agonists
12:50 – 14:00	Lunch
Session 5b: Biomedical Research Chair: David Prangishvili Location: Library Hall, TSU 1st Building	
14:00 – 14:20	Otto Rienhoff (Germany) Quality Management in Data Driven Medical Research
14:20 – 14:40	David Prangishvili (Georgia) Evolution of virus-host interactions
14:40 – 15:00	Revaz Solomononia (Georgia) Myo-Inositol Limits Kainic Acid-Induced Epileptogenesis in Rats
15:00 – 15:20	Givi Koberidze, Revaz Otarashvili, Ilia Chanukvadze (Georgia) Less-known anatomical structure of the Liver - An anatomical substrate for intrahepatic portacaval shunting
15:20 – 15:40	Daniel Hanley (USA) – via Zoom Platform Making clinical trials more efficient with cloud computing based tools
15:40 – 16:00	Discussion

Satellite Symposiums Location: Auditorium 201, TSU 1 st Building	
12:00 – 13:00	Otari Gokhadze (Georgia) New research opportunities for TSU Medical Faculty in the frame of GGSB at Juelich Forschungszentrum (FZJ)
14:00 – 16:00	Wolfgang Aulitzky (Austria) Meeting with OMI Alumni

Friday, 6th May, 2022 Satellite Symposiums	
10:00 – 12:00	Meeting of the International Advisory Board of TSU Faculty of Medicine <i>Location: Auditorium N107, TSU 1st building</i>
12:00 – 13:00	Lunch
Lectorium N1 (Public Lectures) – (Auditorium 107, TSU 1st building) <i>Recorded by TV company "PulsiTV" and University Television "Universia"</i>	
13:00 – 13:40	Henning Dralle (Germany) Thyroid cancer: rising incidence, decreasing aggressiveness?
13:50 – 14:30	Andrew A. Gumbs (France) Artificial Intelligence Surgery and the Promise of Autonomous Actions
14:40 – 15:20	Konrad Karcz (Germany) Computer Science and Artificial Intelligence – Needed Supplements in Modern Medical Education
Lectorium N2 (Public Lectures) – (Auditorium 115, TSU 1st building) <i>Recorded by TV company "PulsiTV" and University Television "Universia"</i>	
13:00 – 13:40	Stein Kaasa (Norway) Patient centered care pathways – More involvement of the patients – better patient care?
13:50 – 14:30	Otto Rienhoff (Germany) Principles and Foibles of Precision Medicine
14:40 – 15:20	Maximilian Reiser (Germany) What you should consider when writing a scientific medical article?
Lectorium N3 (Public Lectures) – Institute of Morphology, TSU <i>Recorded by TV company "PulsiTV"</i>	
14:00 – 14:40	Marom (Merab) Sareli (Israel) Clinical and morphological rational of liver resection for the tumors

Public Health Symposium
Chairs: Nino Chikhladze (Georgia), Max Petzold (Sweden)
Location: Library Hall, TSU 1st building

Session 1. Injury and Violence: Epidemiology and Prevention

10:00 – 10:15	<u>Mariam Andriadze, Maia Kereselidze, Nino Chikhladze (Georgia)</u> Epidemiological Trends in Pediatric Burn Injuries in Georgia
10:15 – 10:30	<u>Maia Bitskhinashvili (Georgia)</u> Childhood adverse experience among students
10:30 – 10:45	<u>Nana Atchaidze, Nato Pitskhelauri (Georgia)</u> Perceptions and knowledge of health care professionals towards gender violence in Georgia
10:45 – 11:00	<u>Ia Bagashvili (Georgia)</u> Unintentional poisoning hospitalisations among children under 5 years in Georgia
11:00 – 11:15	<u>Giorgi Tskaroveli, Maka Jorbenadze (Georgia)</u> Injury/Road Traffic Injury epidemiology on the example of one Hospital in Tbilisi

Session 2: Public Health Education

11:15 – 11:30	<u>Tamar Lobjanidze, Natia Skhvitaridze, Mariam Lobjanidze, B.Ramirez, Giorgi Shakarishvili (Georgia)</u> Determination of Admission criteria's for Global Public Health Master Program
11:30 – 11:45	<u>Nino Chikhladze, Nato Pitskhelauri, Natia Skhvitaridze (Georgia)</u> Accreditation of Doctoral Programs in Public Health in Georgia
11:45 – 12:00	<u>Artashes Tadevosyan, Natalya Tadevosian (Armenia)</u> Development of PhD Programs in Public Health and Social Sciences
12:00 – 12:15	<u>Nato Pitskhelauri, George Lobzhanidze, Nino Chikhladze (Georgia)</u> Georgian-Norwegian Master program in Public Health at Tbilisi State University: students perspectives
12:15 – 12:30	Discussion
17:00	Tbilisi tour for international guests

Saturday, 7th May, 2022

9:00 – 21:00 - Social program for international guests

Sightseeing Trip to Uplistsikhe (cave town), Mtskheta

7 Things About Georgia

Georgia is a home of the first Europeans. The oldest human skull discovered in Dmanisi located in southern Georgia, Kvemo Kartli region. You can visit museum to see the **1.8 million-year-old** fossilized remains of the first discovered human couple in Europe whose names sound truly Georgian: **Zezva and Mzia!**



Winemaking can be dated back to **8000 BC in Georgia**, where evidence of grape cultivation has been found. The qvevri - an earthenware vessel used to store and age wine for thousands of years - is becoming the unofficial symbol of the country. Qvevri is listed in the Representative List of the Intangible Cultural Heritage of Humanity by UNESCO.



Georgia claims to be the birthplace of honey. The honey samples discovered in the village of Sakire, Borjomi (Southern Georgia) are believed to be made by the bees that buzzed in Georgia **5,500 years ago**. The 5,500-year-old honey samples are 2000-year older than the samples of Egyptian honey that were considered to be the oldest.



The discovery of the oldest dyed flax fibers in a cave in Georgia dated to **thirty-six thousand** years ago suggests that ancient people used wild flax fibers to create linen-like fabrics from an early date.



Georgian history dates back for several millennia, having its roots in the **second half of the III mill. BC**. Ancient Georgian tribe Tubal (Tuval) is mentioned in the Bible as founder of the metallurgy and blacksmith art. Ancient Georgian metallic artifacts are found spread across the entire Middle East – Mesopotamia, Syria and the Anatolian Kingdoms.



Georgia (old Colchis) is the motherland of Medea – the **Kolkhetian Princess**, the famous herbal physician **holding the Golden Fleece** (well-known from the Greek mythology). The word “Medicine” is related to her name.



Georgia is country of Apostolic Autocephaly Orthodox Church (Christianity is state religion **since 4th Century**)

