Georgian Association of Medical Specialties

(GAMS)

IX International Conference

**“Multidisciplinary Approaches: Innovations and Challenges of Practical Medicine in the Era of Evidence-Based and Personalized Medicine”**

October 6-8, 2024

Kutaisi, Imereti, Georgia

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Organized by

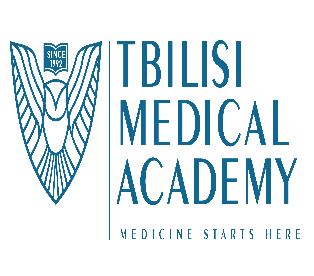
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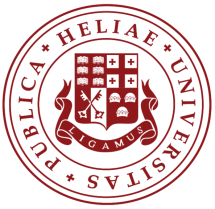
David Tvildiani Medical University and Tbilisi Medical Academy

With participation of Ilia State University, University of Georgia

**Agenda**

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**Prof. George Chakhava – Organizing Committee Chair**

**Prof. Natan Bornstein – Organizing Committee Co-Chair**

**Prof. Maia Beridze – Organizing Committee Co-Chair**

**Organizing Committee: Prof. Nino Tabagari,** **Prof. Amos Korczyn,** **Prof.Nino Okribelashvili, Assoc.Prof. Sophio Mikiashvili, Assoc.Prof. I.Nadareishvili, Assoc.Prof. Marina Alpaidze, Assoc.Prof. Maxim Iavich, Miranda Demuria MD, Giorgi Matchavariani MD, Irakli Apshinashvili MD**

**Secretary: Nino Giorgadze**

**Scientific Faculty:**

**Eka Chkonia Tbilisi, Georgia**

**Salvatore Ramuscello Veneto, Italy**

**Alfonso Ricordare Veneto, Italy**

**Amos Korczyn Tel Aviv, Israel**

**Tanya Gurevich Tel Aviv, Israel**

**Marina Dano Tel Aviv,Israel**

**Archil Chkhotua Tbilisi, Georgia**

**Marina Janelidze Tbilisi, Georgia**

**Mirza Khinikadze Tbilisi, Georgia**

**Roman Shakarishvili Tbilisi, Georgia**

**Nana Kvirkvelia Tbilisi, Georgia**

**Alexandre Bisdorff Luxembourg, Luxembourg**

**Mikheil Okujava Tbilisi, Georgia**

**Madona Sekhniashvili Tbilisi, Georgia**

**Nikoloz Sainishvili Tbilisi, Georgia**

**Olegs Sabelnikovs Riga, Latvia**

**Marina Alpaidze Tbilisi, Georgia**

**Alexander (Alex) Razumovsky Baltimore, USA**

**Sofia Kasradze Tbilisi, Georgia**

**Maia Butsashvili Tbilisi, Georgia**

**Tamuna Goderidze Tbilisi, Georgia**

**Irakli Chelishvili Tbilisi, Georgia**

**David Giorgadze Tbilisi, Georgia**

**Dalius Jatužis Vilnius, Lithuania**

**Gegelashvili Giorgi Tbilisi, Georgia**

**Macharadze Tamar** **Magdeburg, Germany**

**Rūta Mameniškienė Vilnius, Lithuania**

**Tsisana Lomashbili Tbilisi, Georgia**

**Shorena Vashadze Batumi, Georgia**

**Irine Khatiashvili Tbilisi, Georgia**

**Mikheil Okujava Tbilisi, Georgia**

**Eka Berishvili Tbilisi, Georgia**

**Marika Megrelishvili Tbilisi, Georgia**

**Zurab Nadareishvili Washington, USA**

***“One Brain, One Life, One Mission” Brain Health Mission***

***A healthy brain and nervous system are fundamental to overall well-being. Everyone should have the opportunity to maintain their brain and body health, and to receive timely and appropriate treatment, rehabilitation, and healthcare support for neurological disorders. Every human being, regardless of age, gender, or background, deserves to enjoy the benefits of a healthy brain and nervous system.***

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**The Conference will be submitted for European Union of Medical Specialists (UEMS) European Accreditation Council for Continuing Medical Education (EACCME) CME credits**

***"If you think that education is expensive you should consider ignorance"***

***-Socrates***

***"When you are enthusiastic about what you do, you feel a positive energy" - Paulo Coelho***

**Hotel “Kutaisi Inn” Kutaisi, Imereti, Georgia 6-8.10.2024**

**Europe's oldest city, Kutaisi holds remarkable cultural values not only for Georgian**

**history, but also for UNESCO World Heritage.**

**Kutaisi was the capital of Georgia from the 8th century BCE until the 11th century!**

**The ancient written source about Kutaisi could be considered Argonautica, a Greek epic poem about Jason and the Argonauts and their journey to Colchis Kingdom**





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| 12:00- 12:30 | **Registration** |
|  | **Opening** |
| 12:30-12:40  12:40-13:00 | **George Chakhava** GAMS  **Levan Tvildiani** Rector of David Tvildiani Medical University  Representatives of Kutaisi City Hall  Regional Representative-ambassador of GAMS in Imereti  **GAMS-Perspectives-Challenges of Harmonization PME/CPD System and Good Medical Practice in Georgia**  ***G.Chakhava*** *President GAMS* |
| 13:00-  13:30  13:30-  14:00  14:00-  14:30  14:30-15:00  15:00-15:20 | **6.10.2024 Session 1**  Co-Chairs **Natan Bornstein, George Chakhava, Alexander Tsiskaridze**  **Is ESUS a valid concept?**  ***Natan Bornstein,*** *Professor Vice President of World Stroke Organization (WSO), Tel Aviv University*  *Director of the Brain Division, Department of Neurology, Israel Shaare-Zedek Medical Center, Jerusalem, Israel*  **Cerebral Venous Thrombosis (CVT) - Update**  **(Recently published AHA/ASA guidelines)**  ***Natan Bornstein,*** *Professor Vice President of World Stroke Organization (WSO), Tel Aviv University*  *Director of the Brain Division, Department of Neurology, Israel Shaare-Zedek Medical Center, Jerusalem, Israel*  **Diabetes and the Brain the “wicked game”**  ***Natan Bornstein,*** *Professor Vice President of World Stroke Organization (WSO), Tel Aviv University*  *Director of the Brain Division, Department of Neurology, Israel Shaare-Zedek Medical Center, Jerusalem, Israel*  **Modern approach to the patient with vertigo**  ***Alexandre Bisdorff,*** *Professor Clinique du Vertige Centre Hospitalier Emile Mayrisch Esch-sur-Alzette. Head of its Multidisciplinary Vertigo Clinic.*  *Ex-president of the UEMS Section and Board of Neurology from 2010-1017. The president of the Société Luxembourgeoise de Neurologie Luxembourg. Luxembourg*  **Discussion** |
| 15:20-  16:20 | **Lunch** |

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|  | **Session 2** |
| 16:20-16:35  16:35-16:50  16:50-  17:20  17:20-  17:50  17:50-  18:00  18:00-  18:10  18:10-  18:40  18:40-  19:00  19:00-19:20  19:20-19:40  19:40-20:00  20:20-20:40  20:40-21:00  21:00-22:00 | Co-Chairs: **Dalius Jatužis,** **Maia Beridze, Alexandre Bisdorff**  **The newel approach to MS**  ***Maia Beridze***  *Professor, Head of Neurology Department Tbilisi State Medical University (TSMU),* *Representative of GAMS in UEMS Board of Neurology*  ***Challenges in MS and Headache Management in Georgia****-****actual role of BTK inhibitors and PACAP System Inhibitors in the nearest future***  ***George Chakhava*** *Assoc. Professor D.Tvildiani Medical University, Representative of GAMS in UEMS Board of Neurology* ***M.Demuria*** *MD Secretary of Neurology Section of GAMS*  **New Era in the Treatment of Migraine Headaches.**  ***Marina Dano MD*** *Senior Neurologist, Department of Neurology, Shaare Zedek Medical Center, Head and Face Pain Clinic, Meuchedet, Jerusalem, Israel*  **Disease modifying therapies in movement disorders in the era of precision medicine**  ***Tanya Gurevich*** *Assoc. Professor FEAN, Director, Movement Disorders Unit, PF Center of Excellence, Parkinson's & Neuroautonomic Service, Israeli Huntington's Disease Centre, and Huntington Study Group, Neurological Institute, Tel-Aviv Sourasky Medical Center; Sackler School of Medicine & Sagol School of Neuroscience, Tel Aviv University, Israel*  **Critical situations in Parkinson disease**  ***Irine Khatiashvili*** *Assoc. Professor, Tbilisi State Medical University, President of Georgian Association of Parkinsonism and Extrapyramidal Disorders, Tbilisi, Georgia*  ***Pain and Parkinson Disease***  ***Marika Megrelishvili*** *Assist. Professor School of Medicine, Ilia State University, Executive Director of Georgian Association of Parkinsonism and Extrapyramidal Disorder, Tbilisi, Georgia*  **Current approaches to the diagnosis and management of central nervous system vasculitis**  ***Dalius Jatužis*** *Professor*  *President of Lithuania Association of Neurologists and Lithuanian Stroke Association,* *Dean of the Faculty of Medicine at Vilnius University and Vilnius University Hospital Santaros Klinikos,* *Head of Clinic of Neurology and Neurosurgery Vilnius, Lithuania*  **Genetics of Intracerebral Hemorrhage**  ***Alexander Tsiskaridze,*** *Professor, Department of Neurology, Ivane Javakhishvili Tbilisi State University, Pineo Medical Ecosystem, President of Georgian Stroke Society, Tbilisi, Georgia*  **Modern Approaches to Treatment and Advances in Scientific Research**  ***Ekaterine Berishvili*** *Assoc. Professor School of Medicine, Ilia State University Tbilisi, Georgia*  **Neuroinfections**  ***Maia Butsashvili*** *Professor University of Georgia, Director of Health Research Union, Representative of GAMS in UEMS Board Infectious Diseases Tbilisi, Georgia*  **Innovative approach to horizontal and vertical integration in preclinical years.**  ***Lomashvili Tsisana\*.,*** *Assoc. Professor,* ***Denekens J.,*** *Professor* ***Van Rossum H.*** *Professor P.Shotadze Tbilisi Medical Academy Tbilisi, Georgia*  **Clinical reasoning and patient safety versus instrumentalization and polypharmacy**  ***Giorgi Gegelashvili*** *MD Director Institute of Health, President of Tsotne Chkhikvishvili Headache Society of Georgia, Tbilisi, Georgia*  **Discussion**  **Welcome” Wine Event”** |
|  | ***7.10.2024 Session 3*** |
| 9:00-9.30  9:30-10:00  10:00-  10:30  10:30-10:50  10:50-11:10  11:10-11:30  11:30-11:50  11:50-12:10  12:10-12:25  12:25-12:40  12:40-13:00  13:00-13:20  13:20-13:40 | **Co-Chairs Salvatore: Ramushello, Archil Chkhotua, Mirza Khinikadze,** **Olegs Sabelnikovs**  **The Role of EBA (European Board of Anaesthesiology) in Harmonizing Anaesthesiologists' Training in Europe**  ***Olegs Sabelnikovs*** *Assoc. Professor Head of the Department, Department of Clinical Skills and Medical Technology. Academic Staff, Department of Anaesthesiology and Intensive Care. European Board of Anaesthesiology Riga, Latvia*  **ERAS protocol, (Enhanced recovery after surgery)**  ***Salvatore Ramuscello*** *Professor Director, General Surgery Unit, Chioggia-Venice Hospital, Veneto, Italy*  **Training and Staff Qualification in Surgery. What Kind of Surgeon we need in 2030?**  ***Alfonso Recordare*** *MD,**Director of the Oncological and Emergency Surgery at Division of Surgery, Dell ‘Angelo Hospital, Venice Mestre, Italy Invited Professor TSMU, Tbilisi Veneto, Italy*  **Prostate cancer screening in Georgia: results, drawbacks, future perspectives. *Archil Chkhotua*** *Professor, The University of Georgia; Secretary General, Georgian Urological Association; Scientific Director, L. Managadze National Centre of Urology. Representative of GAMS in UEMS Board of Urology, Tbilisi, Georgia*  **Projects of the European Board of Urology and their possible implications in Georgia.**  ***Archil Chkhotua*** *Professor Chairman of the Accreditation Committee, European Board of Urology. Professor, The University of Georgia; Secretary General, Georgian Urological Association; Scientific Director, L. Managadze National Centre of Urology. Representative of GAMS in UEMS Board of Urology, Tbilisi, Georgia*  **Neurological complications of bariatric surgery**  ***Madona Sekhniashvili*** *MD PhD, Head of Neurophysiology Centre*  *CMC - Caucasus Medical Centre*  *Representative of GAMS in UEMS Board of Neurophysiology Tbilisi, Georgia*  **Modern approaches of surgical treatments of Thymomas complicated with Myasthenia Gravis**  ***David Giorgadze*** *Professor, Head of Department of Thoracic Surgery, representative of GAMS in European Board of Thoracic Surgery****,***  ***Anzor Lagvilava*** *MD,* ***Giorgi Chaduneli*** *MD Clinic LTD “New Hospitals”,*  *Tbilisi, Georgia*  **Intraoperative Neuromonitoring During Thyroid Surgeries: Innovative Approaches and Practical Applications**  ***Tornike Gakhokidze*** *MD****, Ioseb Sanikidze*** *MD*  *The Head of the Surgical Department at Jordania Clinic.*  *University of Georgia*  *Georgian Association of Medical Specialties Tbilisi, Georgia*  **Endovascular treatment of ruptured intracranial aneurisms on acute phase of subarachnoid haemorrhage and its implementation in clinical practice**  ***Mirza Khinikadze*** *Professor, The Chairman of the Board of Georgian Association of Neurosurgeons. Head of New Vision University Hospital’s Neurosurgery and Neurology Direction. Board member of Professional Developmental Direction of Ministry of Health, Labour and Social Affairs of Georgia. Representative of GAMS in UEMS Board of Neurosurgery, Tbilisi, Georgia*  **Neurovascular Conflict Challenges and opportunities**  ***Irakli Chelishvili*** *Professor Head of the Neurosurgical Department of*  *Multi-profile Medical Centre Innova, Tbilisi, Georgia*  **Surgical Treatment of High Grade Cerebral Arteriovenous Malformations**  ***Malkhaz Kintsurashvili*** *MD Representative of GAMS in UEMS Board of Neurosurgery;* ***Buba Shalamberidze*** *MD,* ***Edisher Magalashvili*** *Professor Neurosurgery Department American Hospital Tbilisi, Georgia*  **Preoperative frailty and postoperative neurocognitive disorders in geriatric patients**  ***Tamar Macharadze*** *Assoc.Prof. D.Tvildiani Medical University, Elected member of the Centre for Behavioural Brain Sciences; Magdeburg, Germany*  **Discussion** |
| 13:40-14:20 | **Lunch** |
| 14:20-14:50  14:50-15:10  15:10-15:30  15:30-15:50  15:50-  16:10  16:10-16:30  16:30-16:50  16:50-17:20 | *Session 4*  **Co-Chairs Amos Korczyn, Nino Okribelashvili, Marina Janelidze, Roman Shakarishvili**  **The problem with Alzheimer disease?**  ***Amos Korczyn*** *Professor Ex-chairman of the Department of Neurology at the Tel-Aviv Medical Centre, Sieratzki Chair of Neurology at Tel-Aviv University. President of CONy-the International World Congress on Controversies in Neurology. Chairman of the Scientific Medical Board of the Israeli Alzheimer's disease Tel Aviv Tel Aviv Israel Association (EMDA), member of the SAB of Alzheimer Disease International (ADI) Tel Aviv, Israel*  **Dementia and Vascular Cognitive Impairment** -**Concept’s Evaluation**  ***Marina Janelidze*** *Professor, Board Member of GAMS Section Neurology, Chairperson Department of Neurology Tbilisi State Medical University, Head of Department Neurology, S.Khechinashvili University Hospital Tbilisi, Georgia*  **Involvement of peripheral neuromotor system in Alzheimer's disease**  ***Roman Shakarishvili*** *Academician National Academy of Sciences of Georgia*  *Director of Petre Sarajishvili Institute of Neurology*  *Head of the Department of Neurology and Neurosurgery, Faculty of Medicine*  ***Nana Kvirkvelia*** *Professor, Department of Neurology and Neurosurgery, Faculty of Medicine,* ***Elene Nebadze*** *PhD student Iv.Javakhishvili Tbilisi State University* ***Mariam Kekenadze*** *MD PhD Tbilisi State Medical University Tbilisi, Georgia*  **Genetic polymorphism of Alzheimer Disease**  ***Shorena Vashadze*** *Assoc. Professor, Batumi Shota Rustaveli State University Representative of GAMS in Adjara, Batumi, Georgia*  **Treatment Adherence and Comorbid Mental Health Disorders**  ***Nino Okribelashvili*** *Professor, President, Society of Georgian Psychiatrists; Deputy Director, Centre for Mental Health and Prevention of Addiction. Representative of GAMS in UEMS Board of Psychiatry, Tbilisi, Georgia*  **Clinician Treatment Choices for Common Mental Disorders Across European Countries**  ***Eka Chkonia*** *Professor Tbilisi State Medical University*  *Representative of GAMS in UEMS Board of Psychiatry Tbilisi, Georgia*  **Diagnostic and Management of the Drug-Resistant Epilepsies**  ***Sofia Kasradze*** *Professor, Caucasus International University (CIU) Director, Institute of Neurology and Neuropsychology (INN)*  *Director, Georgian Chapter of the ILAE (GLAE)*  *Representative of GAMS in UEMS Board of Neurology Discussion* *Tbilisi, Georgia*  **Autoimmune Seizures and Epilepsies**  ***Rūta Mameniškienė*** *Professor, Senior researcher at the Clinic of Neurology in the Faculty of Medicine, Vilnius University. President of Lithuanian Society for epileptology, representative of Lithuania in the European Academy of Neurology Scientists Panel on Epilepsy.Vilnius, Lithuania* |
| 17:20-17:40  17:40-18:00  18:00-18:20  20:00 | **Co-Chairs Maxim Iavich and Nino Tabagari**  **The Evolving Role of Artificial Intelligence in Laboratory Testing**  *Nino Gulatava Assoc. Professor David Tvildiani Medical University,*  *Medical Director” Mega-Lab”. Representative of GAMS in UEMS Section*  *of Laboratory Medicine*  **The future of medicine: Improving disease prevention and monitoring**  **while reducing doctor visits using artificial intelligent. Biterium AI**  *Tamar Goderidze Professor University of Georgia, Georgian American Family Medicine Centre “Medical House”, Endocrinology and Internal Medicine (Tbilisi*  *State Medical University), Representative of GAMS in UEMS Board of Endocrinology, Leader of GAMS Section Family Medicine, Irakli Apshinashvili MD, Tbilisi, Georgia*  **Discussion**  **Gala Dinner** |
|  | *8.10.2024 Session 5* |
| 8:20-8:40  8:40-9:00  9:00-9:30  9:30-10:00  10:00-10:20  10:20-10:40  10:40-11:00  11:00-11:20 | **Co-Chairs: Mikheil Okujava and Nana Tatishvili**  **Recent Developments in Childhood Arterial Ischemic Stroke**  ***Nino Tatishvili*** *Professor D.Tvildiani Medical University*  *President of Georgian Association of Child Neurology and Neurosurgery,*  ***Tatia Aprasidze*** *MD PhD Neuroscience Department of M.Iashvili CCH, Tbilisi, Georgia*  **Stroke prevention in asymptomatic carotid stenosis**  ***Zurab Nadareishvili*** *Professor Department of Neurology, The George Washington University and Medical Director of Comprehensive Stroke Program at Virginia Hospital Centre Health, Arlington, VA. Washington DC, USA*  **Joint Session of GAMS Section Radiology and Neurosonology Specialty Group of the World Federation of Neurology (WFN)**  **Co-Chairs**  **Marina Alpaidze, Nikoloz Sainishvili, Alexander (Alex) Razumovsky**  **Role of Transcranial Doppler for Neuro-Critical Care**  ***Alexander (Alex) Razumovsky*** *Professor FAHA, NVS*  *Advisory Board Member, Neurosonology Specialty Group of the WFN*  *President, TCD Global, Inc. USA*  **Assessment of Microcirculation in ICU Patients**  ***Olegs Sabelnikovs*** *Assoc. Professor Head of the Department, Department of Clinical Skills and Medical Technology Academic Staff, Department of Anaesthesiology and Intensive Care. European Board of Anaesthesiology Riga, Latvia*  **Functional Transcranial Doppler Sonography in the Dynamic Assessment of**  **Brain Blood Flow Regulation.**  ***Marina Alpaidze*** *Professor TSMU Radiology Department*  *President of GSNCH, Member of Executive Committee of Neurosonology Specialty Group of the WFN Tbilisi, Georgia*  **Neuroimaging of non-discogenic low back pain. Case reviews.**  ***Sophio Mikiashvili*** *Assoc. Professor CMC - Caucasus Medical Centre, Radiology Section GAMS, Tbilisi, Georgia*  **Pseudo progression and Pseudo response: Imaging Challenges in the Assessment of Post Treatment Glioma**  ***Baia Grdzelidze, MD*** *Doctor Radiologist (Computed Topography and Magnetic Resonance Imaging) at hospitals: West Regional Centre (WRC) and Medical City, Kutaisi, High Technology Medical Centre, University Clinic and*  *Innova Medical Centre, Tbilisi , Kutaisi, Georgia*  **Discussion** |

This course is designed for physicians and healthcare providers with different specialties who wish to refine their skills, attitudes and knowledge. Specialists in Neurology (including Stroke Medicine and General Neurology), GP, Anaesthesiologists, Family Medicine, Radiology, General Surgery, Urology, Psychiatry, Neurosurgery. Researchers focused on Pain, Epilepsy, Stroke, Different aspects of Cognitive and Movement Disorders are welcome to participate. The GAMS addresses doctors primarily from the Georgia, with special focus on practitioners from regions of Western Georgia. Applicants from other countries may also participate.

**Formats:**

The didactic format will include the combination of lectures, case-oriented discussions, mini-case exercises, data from multicentre international trials and interactive case discussions. Case oriented learning is emphasized. Time will be allocated for questions and answers at the end of each talk and interactive discussions at the end of each session. Didactic cases provided by tutors in case-oriented learning will be useful to applicants for dealing with clinically complicated cases in daily practice.

**About GAMS**

The reorganization and rebranding of the association are currently in progress. The members of the temporary board-council of our association are professors: Sergo Tabagari, Nino Tabagari, Mikheil Okujava and Ilia Nadareishvili.

The Association of Medical Specialties of Georgia was established in 2006 as a non-governmental and non-profit medical association. Its purpose is to promote and develop cooperation among doctors and medical specialists, to discuss, process, and provide information on problematic issues of medical regulation, and to promote the principles of continuous medical education and continuous professional development among Georgian doctors. It also aims to promote the implementation and dissemination of the experience of the world's leading countries in the healthcare system in Georgia.

The fact that GAMS is the official representative of the European Union in Georgia is of great importance. Based on the agreement with the Association of European Medical Specialties, the Association of Medical Specialties of Georgia has also been granted the right to appoint two representatives from Georgia in various sections of medical specialties within the Union of European Medical Specialists. This allows for a more active involvement of our leading doctors in the European accreditation process, as well as in the development and implementation of the European postgraduate curriculum. Additionally, it grants us the opportunity to participate in primary examinations at various international events alongside the relevant specialty sections.

Our association has initiated a project to create a register of doctors and nurses within the medical self-government structure, aiming to reform postgraduate and continuing medical education in Georgia. This reform includes improvements in the teaching process through the introduction of integrated medical education, case-oriented teaching, and the utilization of modern teaching, learning, and evaluation methods. The transformation of postgraduate and continuing education will undoubtedly contribute to the enhancement of the healthcare system in Georgia, ultimately having a positive impact on the health of the population.

Members of the Georgian Association of Medical Specialties (GAMS) actively collaborate with their European and American partners at various meetings and seminars. Clear examples of this collaboration include:

1. Tbilisi, December 5-6, 2007: An International Conference-Round Table on "Challenges of Biological Terrorism and Mutual Use in Natural Sciences."

2. Tbilisi, on October 3-4, 2011: A conference addressing the problematic issues of continuous medical education and continuous professional development, titled "Challenges of Medical Education/Medical Education in the European Union and Ways of Implementation in Georgia." This conference was held with the support of the European Commission in Georgia under the auspices of the Association of Medical Specialties of Georgia and in collaboration with leading organizations of the European Union (UEMS, EMA, European CME Forum). It also featured the participation of leaders from doctors' associations in different countries, including Bulgaria, Germany, Belgium, and England.

3. From September 14 to 16, 2012, the III International Georgian-Polish Conference took place. The congress saw the participation of leading specialists from the USA, Lithuania, Ukraine, and Belarus, totalling approximately 200 delegates. During the event, a cooperation agreement was signed between the Polish Chamber of Doctors and Dentists and the Association of Medical Specialties of Georgia.

The III, IV, V, VI, VII, VIII, International Conferences of GAMS, "Multidisciplinary Approaches in Neurology" on August 12, 2017, "Current Issues in Neurology and Psychiatry" on February 24, 2018, and "Multidisciplinary Pain Management: Modern Approaches" on September 28-29, 2019, are noteworthy. These conferences were conducted in collaboration with D. Tvildiani Medical University, I. Beritashvili Experimental Medicine Centre, and the University of Washington (Seattle). With the support of I. Javakhishvili State University and Tbilisi State Medical University, on February 12, 2022, the first hybrid conference and round table, "Challenges in Neuroscience and Public Health During the COVID-19 Infection - New Approaches," took place. On November 19, 2022, in Telavi, with the support of D. Tvildiani University, another event, "Management of Pain and Cognitive Disorders in the Era of Evidence-Based and Personalized Medicine," was organized. On September 16-17, 2023 “Neurochallenges 2023 in the Era of Evidence-Based and Personalized Medicine” took place in Chakvi, Adjara Georgia Organized in collaboration with David Tvildiani Medical University and Batumi Shota Rustaveli State University, with participation Ilia State University.

It is worth noting that in the implementation of these activities, the Association of Medical Specialties of Georgia receives active support from the Union of European Medical Specialties, the primary and leading regulatory medical association in Europe, as well as the European Medical Association (EMA), the European Continuing Medical Education Forum for (European CME Forum), and the European Medical Association (European Medical Association EMA).

Examples of the work of UEMS sections involving specialists from Georgia include:

1. The delegate in internal medicine actively participates in the Working Group for the Revision of the European Curriculum of Internal Medicine. Given the relevant specialties and experience at David Tvildiani Medical University, six members are actively engaged in the working group, with responsibilities divided as follows: curriculum revision, examination board, and Question Writing Group (MCQ Tests).

2. From 2020 to 2022, the GAMS delegate in the Public Health Section coordinated one sub-group of the UEMS COVID-19 Task Force, focusing on communication strategies. The results of this work were published in the form of a short article. Additionally, they participated in the work of another sub-group, which focused on prevention.

3. Through the efforts of the Radiological Section, the European Radiological School received accreditation from the Accreditation Council of the European Union of Medical Specialists during the Congress of Radiologists in Georgia.

4. In 2022, the organization actively participated in the annual conference of the Association of Medical Schools in Europe (AMSE) for 2023, which cantered around "The Medical School of the Future: Ensuring Quality." During the conference, the association's president moderated a panel discussion with David Gordon, the president of the World Federation of Medical Education (WFME), and Robin Stevenson, Editor-in-Chief of the Journal of Continuing Medical Education.

5. In September, the Georgian translation of the newly approved neurology curriculum, known as "European Training Requirements in Neurology," was presented and discussed at the VIII International Conference of the Georgian Association of Medical Specialties.

Relevant publications:

Nadareishvili, I.; Bazas, T.; Petrosillo, N.; Berce, V.; Firth, J.; Mansilha, A.; Leventer, M.; Renieri, A.; Zampolini, M.; Papalois, V. The Medical Community’s Role in Communication Strategies during Health Crises—Perspective from European Union of Medical Specialists (UEMS). Infect. Dis. Rep. 2023, 15, 370-376. https://doi.org/10.3390/idr15040037

George Chakhava & Nino Kandelaki (2013) Overview of legal aspects of Continuing Medical Education/Continuing Professional Development in Georgia, Journal of European CME, 2:1, 19-23, DOI: 10.3109/21614083.2013.814570

These are the strategic tasks of our association:

1. Coordinated management of the postgraduate and continuing medical education system by an independent multidisciplinary representative council and professional medical associations (including GAMS) in Georgia. This cooperation involves collaboration with the Ministry of Education, the Ministry of IDPs from the occupied territories of Georgia, and the Ministry of Labour, Health, and Social Protection.

2. Promotion of the mobility of doctors and patients. The rapid expansion of medical knowledge and the dissemination of information through modern means of communication have led us to the concept of "complex modern patient."

3. Promotion and advocacy for high standards of medical procedures.

4. Implementation of European directives while considering the interests and specifics of the medical community in Georgia. Preference is given to the gradual development of continuous medical education.

5. Promotion of the adaptation of international guidelines in Georgia.

6. Establishment of a registry of doctors, the introduction of the "badge of honour," and the use of non-punitive measures in the healthcare system.

7. Increased attention to the qualifications of specialists rather than just the accreditation of events.

8. Development and provision of an organizational structure and management for continuing medical education, in line with basic and quality improvement standards.

9. Encouragement of the promotion of principles of best medical practice.

Based on the above, we are prepared and eager to cooperate with all interested parties.

The scientific program will be even more intriguing this year than in previous years.

One of the main components of the faculty will be available to provide a

presentation, followed by a discussion with the participants. Hence, the conference will be more interactive with the audience proactively participating in disseminating updated

scientific knowledge. Of course, the “Experts” will be scientific personalities highly

recognized at the international level for the impact of their research. The Scientific

Program Committee (SPC) is already convinced that this initiative will be highly appreciated by the participants. We are more than happy to offer the optimal platform of confrontation to the numerous colleagues willing to have an open discussion with real experts and acquire the knowledge to increase their clinical abilities.

Anyone is conscious of how important such sessions are for the ethical diffusion

of essential messages for better therapy. The program will be thrilling, as in the past, and the organizers are more than sure of the scientific success of the congress.

**Learning objectives**

The goal of our activity is to increase healthcare practitioners’ knowledge of prevention and management in different medical fields, focusing on personalized medicine and latest available research-based evidence.

This course, on completion, will enable the participants to receive the up-to-date information and expert opinion on the different topics of Neurosurgery, Psychiatry, General Surgery, Cognitive and Mental Disorder, Stroke, Pain Management, Movement Disorders, Pathophysiology and other aspects of diseases, challenges and innovations, to improve competence and gain practical skills in the diagnostic work-up and decision-making.

This course enhances knowledge of comprehensive, interdisciplinary approaches, taking a holistic approach to the patient, and addressing the psychosocial components that underlies various disorders.

The conference focuses on novel approaches in the management at the time of personalized and evidence-based medicine. The content includes cases for case-based learning, describes pathologic processes, symptoms and signs of various conditions, epidemiology of relevant events, risk factors, overviews public health and ethics aspects of the problems and forms a base to translate scientific evidence into daily clinical practice. It will be explored the benefits for patients participating in clinical trials, introducing the concept of clinical trials as an integral part of clinical service to patients and discuss the transition from the application of evidence-based medicine approach to the of establishment of evidence-based medicine. Specific topics include Stroke, Cognitive Disorders as complications of Stroke, Post-stroke Dementia, Neuroinfections, Neurological complications of Bariatric surgery, hot topics of Surgery and Urology. Qualitative analysis of various problems, drug treatments, modern approaches to pain management and more will be elucidated. Activation of neuroinflammation in different types of neurological diseases including neurodegeneration, demyelinating diseases, cerebrovascular or convulsive disorders underlines universality and importance of this process in disease development. Disease-modifying therapy (DMT) capable of slowing disease progression and disability onset remains a painful unmet need. It is now well known that to maximize the treatment and prevention potential, behavioural and clinical interventions should be tailored to each patient, targeting many risk factors at the same time.

Patients benefit from a multidisciplinary approach, which also focuses on improvement in function, not only work with strength training and physical therapy, but also psychology, nutrition, and other modalities to help them get more ownership of their own problems. Comprehensive strategies involving pharmacologic and psychological therapies can improve outcomes. Competence of evaluating and interpreting medical imaging and diagnostic approaches, strengths and pitfalls, as well as potential clinical indications of animal models, different radiologic techniques for the evaluation of the patients will be discussed. The sessions are dedicated to the cutting-edge issues and trends in Neurology, Urology, General and Thoracic Surgery, Neurosurgery. Leading specialists in these fields will share their experience in research and clinical practice. ETR in Pain Medicine recently presented at UEMS Council, as well as the presentation of European Board of Urology Projects, what type of “Tomorrow Surgeon” is needed will be shared with audience.

**Methods and tools:**

Encouragement of learners to actively participate and be more proactive than passively receiving information, creating opportunities for learners’ proactivity in clinical reasoning and judgment.

Engaging facilitators/moderators who are knowledgeable, engaging, and able to create a positive learning and feedback-giving environment.

**Needs assessment, educational needs and educational outcomes**

Despite significant progress in medical education and practice in Georgia, there is still an acute need of up-to-date continuing professional development and medical education interventions for local physicians. This is particularly true in case of physicians and practitioners working in remote areas. Our event takes place in Kutaisi-a regional centre of the Western Georgia. Most of the participants highlight the lack of international educational programs and conferences in the region. Georgia is a country with limited resources. Physicians emphasize the need for internationally qualified tutors in their training process.

Multidisciplinary approach in practical medicine-the field where hands-on experience and visually observed information are very important for professional development. The GAMS International Conference “Multidisciplinary Approach: Innovations and Challenges of Practical Medicine in the Era of Evidence Based and Personalized Medicine” will bring a state-of-the-art lectures and video demonstrations from distinguished speakers to the audience. Participants will gain knowledge and the opportunity personally meet highly qualified experts, discuss problematic complicated medical issues, and enrich their own experiences, real-life cases and examples will make the material more relevant and inclusive.

**The main outcomes of the event:**

Familiarity with new approaches, techniques, and instruments that really very demanding in modern world.

Ability to diagnose and treat compound clinical cases.

Understanding of the challenges, ethical and legal aspects of different problems.

Understanding the need to collaborate within multidisciplinary teams.

Knowledge of current clinical trends and basic research developments.

Understanding of the role of leadership and mentorship in driving change and innovation in Stroke Medicine, General Neurology, Neurosurgery, Urology, Pain Medicine, Psychiatry, Radiology, Internal Medicine, Medical Education, Rehabilitation

At the end of the online registration, the list of the delegates/participants will be presented and included in the on-site registration form. All the delegates must fill out the requested information (email, etc.) and give their signature during on-site registration for all sessions of the event. Certificates of attendance will be granted only to those delegates who will confirm their participation with their activities and signature.

**Means for learners' feedback**

Feedback: Provision of detailed feedback from learners to help them reflect on their ideas and identify gaps in medical practice.

Feedback from learners will be collected before, during, and after the event:

-after the event, a special questionnaire with the participants' feedback on different aspects of the course will be analysed and used for the report and future events.

Conference working language is English\Georgian