

**European Society for Computing and Technology
in Anaesthesia and Intensive Care (ESCTAIC) e.V.**

Chairman

Gabriel M. Gurman, MD
Chairman@ESCTAIC.org

Secretary

Dan Dirzu, MD
Secretary@ESCTAIC.org

Treasurer

Dipl.-Ing. Lutz Krummreich
Treasurer@ESCTAIC.org

26th ESCTAIC Congress Timișoara / Romania 22.-24. September 2016

Scientific Committee:

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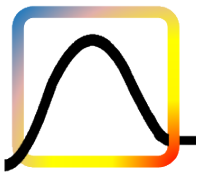
In cooperation with



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Karim Bendjelid
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ESCTAIC-Congress 2016

Dear Friends,

Today, for the third consecutive time, we are here, in Timisoara, celebrating the **ESCTAIC 26th Bi-Annual Meeting** and having the opportunity to meet old friends, to make new ones, to present papers and discuss topics of a vivid interest for the entire community of Anaesthesiology and Critical Care, all over the continent.

Once again we are pleased to organize the meeting in conjunction with the annual Romanian symposium on Guidelines and Protocols and to enjoy the special scientific and social atmosphere created by our hosts, the Romanian organizers, led by *Prof. Dorel Sandesc* and *Dr. Ovidiu Bedreag*.



This congress is not one which could answer the definition of "more of the same"!

First, we are dedicating a good part of the scientific program to those topics which deal with the anaesthesiologist, his/her daily activity, worries and professional interests. We are of an opinion that discussing the impact of modern technology on our profession would contribute to a better understanding of the conditions in which the average anaesthesiologist works in the operating room and outside it.

This is the reason for inviting, for the first time, two distinguished American physicists, who would deliver lectures on the importance of physics to our profession. It is our hope that after their presentations we would better understand the strong connection between the use of sophisticated equipment and the principles of physics and the importance of understanding the special relationship between the two domains.

This time the scientific program also addresses a number of subjects dealing with some special categories of patients, like the ventilated respiratory cripple, the unstable hemodynamic patient or the impact of obesity on the need for using monitoring equipment.

We will organize a workshop for a limited number of participants, hoping that this would increase the interest of our members for a specific item like ultrasound.

Finally, I have the pleasure to mention the fact that this time we enjoy the presence of some 35 speakers, from all the corners of Europe and America, each of them dedicated to a domain of important research and practice. I would like to take this opportunity to thank each of them for actively taking part to our meeting and making this event possible.



The contribution of **PHILIPS** to this congress was crucial. We acknowledge their decision to sponsor the event and to become, for the second time in a row, the Patron of **ESCTAIC**.

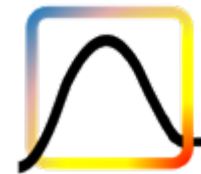
A special word to **PALOMATOURS**, the organizing company, which fully cooperated with the scientific committee and assured the proper framework for succeeding in our tasks.



In the name of the **ESCTAIC** Executive Committee, I welcome all of you to our congress, wish you a pleasant stay in Timisoara and a fruitful participation to the scientific program.

Prof. Dr. Gabriel M. Gurman

President of the Congress
Chairman, ESCTAIC



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FACULTY

Francesco Alessandri (Italy)

Department of Anesthesiology, Critical Care and Pain Medicine, "Sapienza" University of Rome, Rome

✉ FrancescoAlessandri1@Yahoo.it

Luc de Baerdemaeker (Belgium)

Department of Anaesthesiology, University Hospital Gent, Ghent

✉ Luc.deBaerdemaeker@UGent.be

Ruslan Baltaga (Moldova)

Dept. of Anaesthesia, International Hospital Medpark, State University of Medicine and Pharmacy "N. Testemitanu", Chisinau

✉ RBaltaga@Yahoo.com

Adrian Belii (Moldova)

Dept of Anesthesiology and Intensive Care „Valeriu Ghereg”, State University of Medicine and Pharmacy "N. Testemitanu", Chisinau

✉ Adrian_Belai@HotMail.com

Ralph J. Beltran (USA)

Department of Anesthesiology and Pain Medicine, Nationwide Children's Hospital, The Ohio State University Medical Center, Columbus, OH

✉ Ralph.Beltran@NationwideChildrens.org

Sebastian Bergrath (Germany)

Uniklinik RWTH Aachen, Department of Anaesthesiology, University Hospital RWTH Aachen, Aachen

✉ SBergrath@UKAachen.de

Peter Biro (Switzerland)

Institute of Anaesthesiology, University Hospital Zürich, Zurich

✉ Peter.Biro@USZ.ch

Sorin J. Brull (USA)

Department of Anesthesiology, Mayo Clinic, College of Medicine, Jacksonville, FL

✉ SJBrull@me.com

Jason Bryant (USA)

Department of Pediatric Anesthesia, Nationwide Children's Hospital, The Ohio State University Wexner Medical Center, Columbus, OH

✉ Jason.Bryant@NationwideChildrens.org

Michael Czaplík (Germany)

Section leader Medical Technology, Department of Anaesthesiology, University Hospital RWTH Aachen, Aachen

✉ MCzaplík@UKAachen.de

Ruggero M. Corso (Italy)

Department of Emergency, Anesthesia and Intensive Care Section "G.B. Morgagni" Hospital, Forlì

✉ RMCorso@GMail.com

Dan Dirzu (Romania)

University of Medicine and Pharmacy "Iuliu Hațieganu", Cluj Napoca

✉ DirzuDan@GMail.com

Federico Fiocca (Italy)

Anesthesia and Intensive Care 1, ASST Spedali Civili, Brescia

✉ FedericoFiocca@AOL.com

Dario Galante (Italy)

Department of Anesthesia and Intensive Care University Hospital "Ospedali Riuniti", Foggia

✉ Dario.Galante@tin.it

Daniela Godoroja (Romania)

Anaesthesiology & Intensive Care Department, University of Medicine and Pharmacy "Carol Davila" Bucharest, Ponderas Hospital, Bucharest

✉ Daniela.Godoroja@Ponderas.ro

Gabriel M. Gurman (Israel)

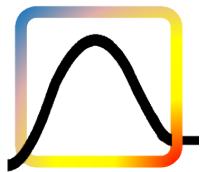
Mayney Hayeshuah Medical Center, Bnai Brak, Ben Gurion University of the Negev, Beer Sheva

✉ Gurman@BGU.ac.il

Catherine Heim (Switzerland)

Department of Anesthesiology, CHUV, Lausanne

✉ Catherine.Heim@CHUV.ch



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Daniela Ionescu (Romania)
Department of Anesthesia and Intensive Care, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca
✉ AtiDionescu@Yahoo.com

Dan Stieper Karbing (Denmark)
Respiratory and Critical Care Group (RCare),
Department of Health Science and Technology,
Ålborg University, Aalborg
✉ DanK@HST.AaU.dk

Markus Köny (Germany)
Klinik für Anästhesiologie, Gruppenleiter, Sektion
Medizintechnik, Universitätsklinikum der RWTH,
Aachen
✉ MKoeny@UKAachen.de

Lutz Krummreich (Germany)
Project Manager Mon/IT, System Center
Monitoring/IT, Central Europe, Dräger Medical
Deutschland GmbH, Lübeck
✉ Lutz@Krummreich.de

David Linton (Israel)
Hadassah Medical Center, Jerusalem
✉ DLinton@Hadassah.org.il

Virgil S Manica (USA)
Department of Anesthesiology and Perioperative
Medicine, Tufts Medical Center, Boston
✉ VManica@TuftsMedicalCenter.org

Michael Margaron (UK)
Department of Critical Care, St. Richard's Hospital,
Chichester
✉ M.Margaron@NHS.net

Paul Mongan (USA)
Department of Anesthesiology, School of Medicine,
University of Colorado Denver, Aurora, CO
✉ Mongan.Paul@Mayo.edu

Jan P. Mulier (Belgium)
Department of Anesthesiology, Intensive care and
Reanimation, AZ Sint Jan Brugge-Oostende, Bruges
✉ Jan.Mulier@AZSintJan.be

Aurel Neamtu (USA)
Department of Anesthesiology and Perioperative
Medicine, University of Louisville, School of Medicine,
Louisville, KY
✉ Aurel.Neamtu@Louisville.edu

Adela Onutu (Romania)
Department of Anaesthesia and Intensive Care,
Emergency County Hospital, Cluj-Napoca
✉ AdelaOnutu@GMail.com

Bernardo Bollen Pinto (Switzerland)
Anaesthesia, Intensive Care and Pharmacology
Department, Geneva University Hospitals, Geneva
✉ Bernardo.BollenPinto@UniGe.ch

Yakov Pipman (USA)
International Educational Activities Committee,
American Association of Physicists in Medicine
✉ tuveleie@GMail.com

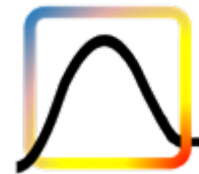
Stefan Rauch (Germany)
Department of Anesthesiology and Critical Care, Alb
Fils Kliniken GmbH, Göppingen
✉ Stefan.Rauch@AF-K.de

Bruno Turchetta (Italy)
Anaesthesia Dept at CCBRT (Community Based Care
and Rehabilitation), Consultant Anaesth, Italian Red
Cross Army (Reserve)
✉ BTurche@GMail.com

Ahsan Syed (USA)
Staff Anesthesiologist, Nationwide Children's Hospital,
Columbus, OH
✉ Ahsan.Syed@NationWideChildrens.org

Carlo Alberto Volta (Italy)
Section of Anaesthesia and Intensive Care, S. Anna
Hospital, University of Ferrara, Ferrara
✉ VLC@UniFe.it

Marco Zaider (USA)
Dep. of Medical Physics, Memorial Sloan-Kettering
Cancer Center, New York, NY
✉ ZaiderM@MSKC.org



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SCIENTIFIC PROGRAM

Thursday, September 22, 2016

All panels will be held in the room “**BEGA**” (1st floor)

13:00	Rm. Bega	Poster presentation
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Moderator	<i>D. Dirzu</i>
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15:00	Rm. Bega	Opening ceremony
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G.M. Gurman

D. Dirzu

D. Sandesc

15:15	Rm. Bega	Plenary lecture 1
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<i>Y. Pipman</i>

The contribution of physics to the progress of medicine

16:00	Rm. Bega	Panel 1: Simulation in health care
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Moderator

<i>A. Belii</i>

<i>P. Mongan</i>

Root cause analysis and simulation to improve team care in daily practice

<i>D. Dirzu</i>

Role of simulation in medical education

<i>J.A. Bryant</i>

Use of simulation for resident training

17:30	Lobby	Coffee break
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17:45	Rm. Bega	Panel 2: The anesthesiologist and the post-operative pain
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Moderator

<i>S. Brull</i>

<i>Adela Onutu</i>

Ultrasound guided nerve blocks-what makes us happy?

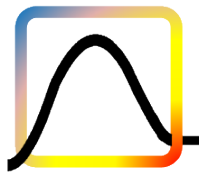
<i>A. Neamtu</i>

Persistent postsurgical and postinjury pain - an update

<i>G.M. Gurman</i>

Pre-operative anxiety and post-operative pain

19:15	End of Scientific Program - Day 1
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Friday, September 23, 2016

All panels (except the workshop) will be held in the room “**BEGA**” (1st floor)

08:15	Rm. Bega	Plenary lecture 2
<i>M. Zaider</i> presented by <i>Y. Pipman</i>		Radiation exposure in the healing arts: risks and benefits

The next two sessions run in parallel:

09:00	Rm. Bega	Panel 3: New technological items in pediatric anesthesia
Moderator		<i>D. Galante</i>
<i>R. Beltran</i>		Regional anesthesia and ambulatory surgery: the role of continuous infusion devices in postoperative pain management in pediatrics
<i>F. Fiocca</i>		Locoregional blocks in maxillo-facial surgery. Advises for the anesthesiologist
<i>R. Beltran</i>		NUSS procedure: clinical options for post-operative pain management and their side effects

The following workshop will be held in room “TISA” (Ground Floor):

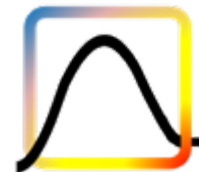
09:00	Rm. Tisa	Ultrasound airway management (Advanced registration necessary)
		<i>P. Biro , Daniela Godoroja</i>

10:30	Lobby	Coffee break
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10:45	Rm. Bega	Panel 4: Technical innovations in personal health, telemedicine, emergency, operating room and critical care
Moderators		<i>L. de Baerdemaeker, L. Krummreich</i>
<i>M. Czaplík</i>		Medical apps: potentials and risks for the anesthesiologist
<i>R. Corso</i>		OR efficiency technology and human factors
<i>M. Köny</i>		Interoperability in the OR and ICU
[short break if required]		
<i>S. Rauch</i>		New technologies in extracorporeal CO2 removal
<i>S. Bergrath</i>		Telemedicine in the emergency medical system and ICU
presented by <i>M. Czaplík</i>		

13:15	Polivalentă	Lunch
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14:15	Rm. Bega	 ESCTAIC General Assembly (ESCTAIC-Members only)
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15:15	Rm. Bega	Panel 5: How to be sure you did not give too much or too little?
Moderator		<i>R. Beltran</i>
<i>S. Brull</i>		Deep neuromuscular block - when do I pay for my sins?
<i>Daniela Ionescu</i>		How do I possibly know I did not give too much or too little: the role of BIS

16:15	Lobby	Coffee break
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16:30	Rm. Bega	Panel 6: Universal Surgical Intensity Score (USIS)
Moderator		<i>V.S. Manica</i>
<i>G.M. Gurman</i>		Surgical trauma and its influence on anesthesia technique
<i>P. Biro</i>		What is USIS? Is it useful? And what can it do?

17:30	Rm. Bega	Panel 7: Aiming for a perfect Anesthesia Information Management System (AIMS)
Moderator		<i>G.M. Gurman</i>
<i>V.S. Manica</i>		Nuts and bolts of an Anesthesia Information Management System
<i>P. Mongan</i>		Clinical decision support apps to improve surgical care
<i>R. Baltaga</i>		Sustainability and long term effectiveness of the WHO surgical safety checklist combined with pulse oximetry in a resource-limited setting

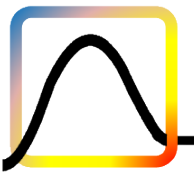
19:00		End of Scientific Program - Day 2
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Saturday, September 24, 2016

All panels will be held in the room **"BEGA"** (1st floor)

08:15	Rm. Bega	Panel 8: I am ventilating my patient – what do I have to know?
Moderator		<i>S. Rauch</i>
<i>F.J. Belda</i>		Simple bedside monitoring in the strategy for lung protective ventilation in anesthesia and critical care
<i>D.S. Karbing</i>		Model-based decision support for mechanical ventilation – the BEACON Caresystem
<i>C..A Volta</i>		Respiratory muscles function and fatigue: yesterday and today
<i>D.S. Karbing</i>		Measurement of respiratory muscles strength during weaning from the ventilator

10:30	Lobby	Coffee break
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10:45	Rm. Bega	Panel 9: Hemodynamics in daily practice
Moderators		<i>R. Corso</i>
<i>B.B. Pinto</i>		Shockomics-multimodality monitoring in critically ill patients
<i>P. Mongan</i>		Hemodynamic management in daily practice: does it affect outcome?
<i>Catherine Heim</i>		Damage control anesthesia
<i>F. Allesandri</i>		Point of care lung ultrasound

13:00	Polivalentă	Lunch
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14:00	Rm. Bega	Panel 10: Anesthesia in difficult conditions (mass casualties, minimal equipment,...)
Moderators		<i>D. Dirzu, R Baltaga</i>
<i>B. Turchetta</i>		Major incidences in anesthesia-how to prevent them by practical exercise?
<i>A. Syed:</i>		Nuclear, biological and chemical warfare: a healthcare provider's perspective
<i>A. Belli:</i>		How a simple software can improve the quality of perioperative management of patient's chronic medication
<i>B. Turchetta</i>		Avoiding anesthesia accidents with minimal equipment

16:00	Lobby	Coffee break
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16:15	Rm. Bega	Panel 11: Obesity, anesthesia and new technology
Moderator		<i>M. Czaplik</i>
<i>Daniela Godoroja</i>		Does depth of anesthesia monitoring optimize the anesthetic outcome for morbidly obese patient?
<i>L de Baerdemaeker</i>		New technology for drug dosing in the morbidly obese patient
<i>M. Margaron</i>		Nasal High Flow Oxygen Therapy (THRIVE) in the obese patient. What the anaesthetists should know
<i>J.P. Mulier</i>		New anti-atelectasis strategies for optimizing ventilation in the morbidly obese

18:15	Rm. Bega	Closing remarks
		<i>G. Gurman</i>