



SOCIETATEA ROMÂNĂ  
DE CARDIOLOGIE

UMF

UNIVERSITY OF MEDICINE AND PHARMACY  
TIRGU MURES



In collaboration with

Transylvannian Association of Transvascular  
Therapy and Transplantation Kardiomed

Committee for Health and Family  
Romanian Chamber of Deputies

County Clinical Emergency Hospital  
Tirgu Mureş



CARDIO NET



# The XV<sup>th</sup> Conference of Cardiology with International Participation

Tîrgu Mureş, România  
6-11 July 2015

## **The XV<sup>th</sup> Conference of Cardiology with International Participation**

### ***Congress President***



Prof. Dr. Habil. Imre Benedek

### **Co-presidents:**



**Dr. Gabriel Tatu Chişoiu**  
*President of the Romanian  
Society of Cardiology*



**Prof. Dr. Habil. Theodora Benedek**  
*Head of the Department of  
Internal Medicine, University of  
Medicine and Pharmacy  
Tîrgu Mureş, Romania*



**Prof. Dr. Habil. Róbert  
Gábor Kiss**  
*President of the Hungarian  
Society of Cardiology*

## Faculty



### **Prof. Daniela Bartoș (Bucharest, Romania)**

*Clinical Emergency Hospital Bucharest, Romania, Internal Medicine Department,  
Specialist in Cardiology, Internal Medicine, Public Health  
Former Minister of Health of Romania*



### **Assoc. Prof. Șerban Bălănescu (Bucharest, Romania)**

*Carol Davila University of Medicine and Pharmacy Bucharest, Romania  
Head of the Clinic of Cardiology and Center of Cardiovascular Interventions,  
Monza Hospital, Bucharest*



### **Prof. Imre Benedek (Tîrgu Mureș, Romania)**

*Professor of Cardiology, Interventional Cardiology and Internal Medicine,  
University of Medicine and Pharmacy Tîrgu Mureș, Romania  
Founder of the Clinic of Cardiology, County Clinical Emergency Hospital Tg.Mures  
President of the working group of transborder hungarian cardiologists,  
Hungarian Society of Cardiology,  
Editor in chief Journal of Cardiovascular Emergencies*



### **Prof. Theodora Benedek (Tîrgu Mures, Romania)**

*Head of the Department of Internal Medicine, University of Medicine and  
Pharmacy Tîrgu Mureș  
Professor of cardiology, interventional cardiology and internal medicine  
External Expert and Rapporteur of European Commission  
Managing editor Acta Medica Marisiensis, The Journal of Critical Care Medicine  
and Editor Journal of Cardiovascular Emergencies*



### **Prof. Gabriel Tatu Chițoiu (Bucharest, Romania)**

*President of the Romanian Society of Cardiology  
Floreasca Emergency Hospital, Bucharest*



### **Prof. Mircea Cintează (Bucharest, Romania)**

*Universitary Emergency Hospital Bucharest, Clinic of Internal Medicine and  
Cardiology, Former Dean of the Carol Davila University of Medicine, Bucharest,  
Founder and president of the Romanian College of Physicians  
Former Minister of Health, Senator in the Romanian Parliament*



**Prof. Zoltán Csanádi (Debrecen, Hungary)**

*Chairman of the Scientific Committee, Hungarian Society of Cardiology  
Head of Clinical Cardiac Electrophysiology Department,  
Vice Director of the Department of Cardiology, University of Debrecen, Hungary*



**Prof. Dan Dobreanu (Tîrgu Mureş, Romania)**

*Professor in Cardiac Physiology and Interventional Cardiology  
Head of Cardiology Clinic, Institute of CV Disease and Transplant, Tîrgu Mureş,  
Vice-Rector of University of Medicine and Pharmacy Tîrgu Mureş  
Vicepresident of Romanian Society of Cardiology*



**Prof. Maria Dorobanţu (Bucharest, Romania)**

*President of the Romanian Society of Hypertension  
Member of the Romanian Academy of Medical Sciences  
Head of the Cardiology Department Emergency Hospital of Bucharest  
Vicepresident of the working group of Coronary Microcirculation, European  
Society of Cardiology  
Editor in chief "Romanian Hypertension Research"*



**Prof. István Édes (Debrecen, Hungary)**

*Director of the Institute of Cardiology, Debrecen, Hungary  
Former President of the Hungarian Society of Cardiology  
Editor in chief Cardiologia Hungarica*



**Prof. Maximilian Emmert (Zürich, Switzerland)**

*Division of Cardiovascular Surgery at the University Hospital Zurich.  
Ph.D. in Biomedical Engineering*



**Prof. Kiss Róbert Gábor (Budapest, Hungary)**

*President of the Hungarian Society of Cardiology  
President of the Hungarian Society of Thrombosis and Hemostasis  
Head of the Clinic of Cardiology of the Hungarian Defence Forces Medical  
Center*



**Prof. László Gellér (Budapest, Hungary)**

*Head of the Electrophysiology Department, Heart Center, Város Major Hospital,  
Semmelweis University, Budapest  
Vicepresident of the Hungarian Society of Cardiology  
Past President of Arrhythmia and Electrophysiology Workgroup of Hungarian  
Society of Cardiology*



**Prof. Dietmar Glogar (Vienna, Austria)**

*Professor of cardiology, Medical University of Vienna  
Former President of the Austrian Society of Cardiology*



**Prof. Mariann Gyöngyösi (Vienna, Austria)**

*Head of the Department of Research in Cardiovascular Diseases, AKH Hospital,  
Vienna  
Medical University of Vienna*



**Prof. Ota Hlinomaz (Brno, Czech Republic)**

*University of Brno  
Head of the Cardiac Catheterisation Laboratory, Brno (Czech Republic) and  
Sofia (Bulgaria)*



**Prof. Iván Horváth (Pécs, Hungary)**

*University of Pécs, Hungary  
Head of the Department of Interventional Cardiology*



**Prof. András Kerkovits (Budapest, Hungary)**

*Head of Cardiology Department, Szent University Hospital*



**Prof. Radu Iliescu (Iasi, Romania)**

*Vice-Rector, University of Medicine and Pharmacy Iasi, Romania  
Professor of Pharmacology at the University of Medicine and Pharmacy "Gr. T. Popa" Iasi  
Affiliate Assistant Professor at the Department of Physiology, University of Mississippi Medical Center*



**Prof. Enca Martin-Rendon (London, UK)**

*Senior Scientist Programme Leader, Deputy Director, Stem Cell Research Laboratory  
NHS Blood and Transplant and University of Oxford  
John Radcliffe Hospital, Oxford, UK  
Editor of the Cochrane Heart Review Group*



**Prof. Pál Horvát Maurovich (Budapest, Hungary)**

*Director of the Cardiovascular Imaging Research Group at the Semmelweis University in Budapest, Hungary  
Director of the Semmelweis CT Academia*



**Prof. Béla Merkely (Budapest, Hungary)**

*Director of Heart Center, Város Major Hospital, Budapest  
Past President of the Hungarian Society of Cardiology*



**Prof. Noémi Nyolczas (Budapest, Hungary)**

*Vice President of the Hungarian Society of Cardiology  
President of the working group of heart failure, Hungarian Society of Cardiology*



**Prof. Tamás Szili-Török (Rotterdam, The Netherlands)**

*Head of the Department of Cardiac Electrophysiology, Thorax Center Rotterdam  
President of the European Robotic Society*



**Prof. Endre Zima (Budapest, Hungary)**

*Head of the Department of Coronary Intensive Care, Heart Center, Város  
Major Hospital, Semmelweis University, Budapest  
Secretary of the Hungarian Society of Cardiology*

## **Information about the conference**

### **Venue:**

#### *Preconference courses*

*Monday, July 6 and Tuesday, July 7: Lecture room of the Clinic of Cardiology, Ground floor of the County Clinical Emergency Hospital Tîrgu Mureş*

#### *Conference*

*Amfiteatru 1 - County Clinical Emergency Hospital Tîrgu Mureş*

### **Registration fee:**

Specialists: 150 Ron

General practitioners: 100 Ron

Residents : 50 Ron

Students: Free

### **Credit points:**

#### **25 EMC credits**

- 13 EMC points for participation to the conference
- 6 EMC points for the pre-congress course "Teaching course on cardiac imaging"
- 6 EMC points for the pre-congress course "Teaching course on implantable devices in heart failure"

### **Language:**

The pre-congress courses will be held in romanian language

The section of interdisciplinarity in cardiology will be held in romanian language

The workshop on "How to increase our scineitific output" will be held in romanian language

The conferences on tuesday, july 9 and friday, july 10 will be held in romanian, hungarian or english language, with simultaneous translation on headphones.



## **Satellite events**

### **Hands-on Training**

**Simulation in interventional cardiology (provided by Medtronic)**

*Location: In the exhibition area, during the entire congress*

### **Poster forum**

Wednesday, July 8, 11:00 - 11:30

Thursday, July 9, 11:00 - 11:30

Location: Poster area, Hall of the County Clinical Emergency Hospital  
Tîrgu Mureş

### **Live cases broadcasting**

**Wednesday, 8 July (09:00 - 18:00)**

Electrophysiology – Ablation of Atrial Fibrillation

Acute Coronary Syndromes

Acute Peripheral Ischemia

Renal denervation

*Live transmission from the Laboratory of Interventional Cardiology*

### **Launch of a new medical journal**

***Journal of Cardiovascular Emergencies***

### **Publisher's corner in the exhibition area**

**Medical Journals of the University of Medicine and Pharmacy Tîrgu  
Mureş:**

Acta Medica Marisiensis

The Journal of Critical Care Medicine

**Medical books:** Mentor Publishing House

## Precongress Courses

### **Monday, 6 July**

*Lecture hall of the Clinic of Cardiology*

### Teaching Course on Cardiac Imaging

10:00 - 11:00 - **Theodora Benedek**– Echocardiography in clinical applications

11:00 - 12:00 - **Sebastian Condrea** - Multislice Cardiac Computed Tomography

12:00 - 13:00 - **Monica Chițu** – Intracardiac echocardiography

### **13:00 - 14:00 – Lunch Break**

14:00 - 15:00 - **Imre Benedek**– Imaging coronary plaques

15:00 - 16:00 - **István Kovács**–Optical coherence tomography

16:00 - 17:00 - **Theodora Benedek**– Modern imaging techniques for assessment of myocardial function

### **Tuesday, 7 July**

*Lecture hall of the Clinic of Cardiology*

### Teaching course on Cardiac resynchronization therapy in heart failure

10:00 - 11:00 - **Imre Benedek**–Heart failure- physiopathological mechanisms and diagnosis

11:00 - 12:00 - **István Kovács** - Cardiac resynchronization therapy in heart failure

12:00 - 13:00 - **Monica Chițu** – Bicameral stimulation in heart failure

### **13:00 - 14:00 – Lunch Break**

14:00 - 15:00 - **Imre Benedek** – Mechanical assist devices in heart failure

15:00 - 16:00 - **Monica Chițu** – Implantable cardioverter defibrillator in heart failure patients

16:00 - 17:00 - **Theodora Benedek** – Modern follow up imaging techniques after cardiac resynchronization

## Wednesday, 8 July

### *Amphitheater I*

*County Clinical Emergency Hospital Tîrgu Mureş*

**09:00 - 09:30**

### **Opening ceremony**

**09:30 - 11:00**

### **Interdisciplinarity in cardiology (I)**

*Chairpersons: Imre Benedek, Călin Molnar*

09:30 - 09:45 - **Theodora Benedek** –Nano-imaging of the coronary plaques - at the interface between cardiology, imaging and nanotechnology

09:45 - 10:00 - **Amalia Făgărăşan**–Total anomalous pulmonary venous return – neonatal cardiovascular emergency

10:00 - 10:15 - **Claudiu Mărginean** –Screening for the fetal cardiac malformation – where are we and where are we heading towards?

10:15 – 10:30 - **Simona Gurzu** – Iatrogenic lesions in interventional cardiology – anatomopathologist point of view

10:30 - 10:45 - **Ovidiu Cotoi** – Methods and technical laboratory means applied in clinical cardiology research

10:45 - 11:00 - **Brânduşa Ţilea** – Infectious endocarditis – diagnosis, antibiotherapy, prevention

**11:00 – 11:30 - Coffee break**

### **Poster Forum**

*Chairpersons: Ioan Ţilea, Attila Frigy*

**Hands-on training - simulation in interventional cardiology**  
*(provided by Medtronic)*

**11:30 - 13:00**

**Interdisciplinary in cardiology (II)**

*Chairpersons: Theodora Benedek, Daniela Dobru*

- 11:30 - 11:45 - **Simona Bătagă** - Oesophageal disease and chest pain
- 11:45 - 12:00 - **Ligia Bancu** - Gastrointestinal hemorrhages and antithrombotic treatment
- 12:00 - 12:15 - **Călin Molnar** - Surgery for superior digestive variceal hemorrhage - when, how and who?
- 12:15 - 12:30 - **Lucian Pușcașiu** - Hormone replacement therapy and cardiovascular disease in post-menopausal women - a never ending (love?) story
- 12:30 - 12:45 - **Szabolcs Szatmári** - Updates in stroke treatment
- 12:45 - 13:00 - **Lia Yero Eremie.** - Periodontal disease - a new cardiovascular risk marker

**13:00 - 15:00 - Lunch Break**

***Hands-on training - simulation in interventional cardiology***

***(provided by Medtronic)***

**15:00 - 17:00**

**Renal denervation**

*Chairpersons: Maria Dorobanțu, Radu Iliescu*

- 15:00-15:30 - **Maria Dorobanțu** (București, Romania) - Resistant hypertension, what's new and what's ahead? Data from SEPHAR Study
- 15:30-16:00 - **Radu Iliescu** (Iași, Romania) - Neural control of blood pressure: insight from renal denervation and electrical baroreflex activation
- 16:00-16:30 - Keynote lecture - sponsored by Saint Jude
- 16:30-17:00 - **Ionuț Tudorancea** (Iași, Romania) - Effects of current device-based therapies for hypertension on cardiovascular dynamics

***Live Case broadcasting from the Interventional Cardiology Laboratory of the Clinic of Cardiology - Renal denervation in refractory hypertension***

**Live cases broadcasting**

**Wednesday, 8 July (09:00 - 18:00)**

Electrophysiology – Ablation of Atrial Fibrillation

Acute Coronary Syndromes

Acute Peripheral Ischemia

Renal denervation

*Live broadcasting from the Interventional Cardiology Laboratory of the Cardiology  
Clinic*

## Thursday, 9 July

### *Amphitheater 1*

*County Clinical Emergency Hospital Tîrgu Mureş*

**09:00 - 11:00**

### **Electrophysiology**

*(English section with simultaneous translation on headphones)*

***Chairpersons: Tamás Szili-Török, Dan Dobreanu***

- 09:00 - 09:30 - **Tamás Szili-Török** (Rotterdam, The Netherlands) - The role of rotor ablation in the treatment of atrial fibrillation
- 09:30 - 10:00 - **Dan Dobreanu, Alina Scridon**, (Tîrgu Mureş, Romania) - Molecular mechanisms and targets of atrial fibrillation
- 10:00 - 10:30 - **Endre Zima** (Budapest, Hungary) - ICD treatment in patients with mechanical circulatory support
- 10:30 - 11:00 - **László Gellér** (Budapest, Hungary) - Ablation of ventricular tachycardia

**11:00-13:00**

### **Cardiac Imaging**

*(English section or instant translation earpiece)*

***Chairpersons: Theodora Benedek, Pál Maurovich Horvát***

- 11:00 - 11:20 - **Theodora Benedek** (Tîrgu Mureş, Romania) - The future of cardiac imaging
- 11:20 - 11:40 - **Pál Maurovich Horvát** (Budapest, Hungary) - Novelties in coronary CT plaque imaging: Twins and OPeRA
- 11:40 - 12:00 - **Imre Benedek** (Tîrgu Mureş, Romania) - Imaging coronary circulation: from structure to functional analysis of coronary plaques
- 12:00 - 12:20 - **Mihály Károlyi** (Budapest, Hungary) - Coronary artery aneurysm and ectasia: the role of coronary CT angiography
- 12:20 - 12:40 - **Iván Horváth** (Pécs, Hungary) - Intracoronary imaging

***12:40 - 13:00 - Coffee break***

13:00-14:00

**Workshop - How to improve our scientific output?**

***How to access and implement European research grants***

***Chairpersons:***

**Prof. Theodora Benedek**, External Expert and Rapporteur of European Commission (Romania)

**Prof. Mariann Gyöngyösi**, Medical University of Vienna (Austria)

**Assoc. Prof. Florin Buicu**, President of the Committee for Health and Family, Chamber of Deputies (Romania)

**Lecturer Oláh Péter**, Head of the Department of European Projects UMF Tîrgu Mureş (Romania)

***How to publish a scientific paper***

***Chairpersons:***

**Prof. Theodora Benedek**, Managing editor: Acta Medica Marisiensis, The Journal of Critical Care Medicine and Journal of Cardiovascular Emergencies (Romania)

**Prof. Mariann Gyöngyösi**, Medical University of Vienna (Austria)

**Prof. Simona Gurzu** (Romania)

**Prof. Vladimir Bacărea**, Head of the Discipline of Research Methodology, UMF Tîrgu Mureş (Romania)

**14:00 - 15:00 - Lunch Break**

***Hands-on training - simulation in interventional cardiology***

*(provided by Medtronic)*

15:00 - 16:30

**Interdisciplinary in cardiology (III)**

*Chairpersons: Mircea Cintează, Dan Dobreanu*

- 15:00 - 15:15 - **Ionela Pașcanu** - Two sides of the same coin: correlation between osteoporosis and cardiovascular disease
- 15:15 - 15:30 - **Eliza Cintează** – Cardiovascular risk factors in children
- 15:30 - 15:45 - **Călin Chibelean** – Renal tumors with cavo-cardiac extension – diagnosis and multidisciplinary treatment
- 15:45 - 16:00 - **Endre Zima** – Hypothermia in acute cardiac care
- 16:00 - 16:15 - **Claudia Bănescu** - The role of genetics in diagnosis and treatment of hypercholesterolemia
- 16:15 - 16:30 - **Florin Buicu** - The need for regulation in the Romanian health system

***16:30 - 16:45 - Pfizer Symposium***

16:45 - 18:00

**Interdisciplinary in cardiology (IV)**

*Chairpersons: Imre Benedek, Daniela Bartoș*

- 16:45 - 17:00 - **Mirela Gliga**- Cardiorenal syndrome – update and perspectives
- 17:00 - 17:15 - **Erzsébet Benedek Lázár**- Stem cells therapy in cardiology
- 17:15 - 17:30 - **Corina Ureche** - Is there any connection between allergies and cardiovascular diseases?
- 17:30 - 17:45 - **Vladimir Bacărea** – Causality and record level in clinical studies
- 17:45 - 18:00 - **Simona Cernea** – Diabetes and cardiovascular disease
- 18:00 - 18:15 - **Luminița Lazăr**-Interrelation between periodontal disease and cardiovascular disease

**19:00 - Gala Dinner- Cardiology Excellence Awards 2015**

**Restaurant of Grand Hotel**



## **Friday, 10 July**

*Amphitheatre I  
County Clinical Emergency Hospital Tîrgu Mureş*

**08:30 -09:00**

### **Cardiology Today and Tomorrow – round table with officialties**

**09:00-11:00**

### **Updates in Cardiology (I)**

*Chairpersons: Imre Benedek, Róbert Gábor Kiss, Gabriel Tatu Chiţoiu*

*Joint session organized by the Romanian Society of Cardiology and the Hungarian Society of Cardiology*

- 09:00-09:15 - **Róbert Gábor Kiss** (Budapest, Hungary) - STEMI Guidelines - an update  
09:15-09:30 - **Gabriel Tatu Chiţoiu** (Bucharest, Romania) - NSTEMI Guidelines - an update  
09:30-09:45 - **Noémi Nyolczas** (Budapest, Hungary) - Heart Failure 2015 - an update  
09:45-10:00 - **Dan Dobreanu** (Tîrgu Mureş, Romania) – Are there suitable indications of ICD implantation in the year of 2015 ?  
10:00-10:15 - **Zoltán Csanádi** (Debrecen, Hungary) - The 2013 ESC guidelines document outlines an innovative classification of bradyarrhythmias by mechanism  
10:15-10:30 - **Mircea Cintează** (Bucharest, Romania) - European guidelines on hypertension  
10:30-10:45 - **Daniela Bartoş** (Bucharest, Romania) - The new oral anticoagulants: between risk and benefit  
10:45-11:00 - **András Kerkovits** (Budapest, Hungary) - Atrial fibrillation - an update

***11:00-11:30 - Coffee break***

### **Poster Forum**

*Chairpersons: Ovidiu Cotoi, Cristian Podoleanu*

***Hands-on training - simulation in interventional cardiology  
(provided by Medtronic)***

**11:30-12:30**

**STEMI Networks**

*Chairpersons: Imre Benedek, Róbert Gábor Kiss, Gabriel Tatu Chițoiu*

11:30 - 11:50 - **Imre Benedek** (Tîrgu Mureș , Romania) - Regional STEMI network in Central Romania

11:50- 12:10 - **Gabriel Tatu Chițoiu** (Bucharest, Romania) - Romanian STEMI network

12:10 - 12:30 - **Róbert Gábor Kiss** (Budapest, Hungary) - Hungarian STEMI network

**12:30 - 13:30**

**Symposium - Astra Zeneca**

**Can we improve the management of patients with Acute Coronary Syndromes?**

*Chairman: Imre Benedek*

12:30 - 12:45 - **Imre Benedek** (Tîrgu Mureș , Romania) - Introduction

12:45 - 13:05 - **Șerban Bălănescu** (Bucharest, Romania)

13:05 - 13:25 - **Theodora Benedek** (Tîrgu Mureș , Romania)

13:25 - 13:30 - Discussions

**13:30-14:30 Lunch Break**

**14:30-15:50**

**Stem Cells in Cardiology**

*Chairpersons: Mariann Gyöngyösi, Imre Benedek*

14:30-14:50 - **Maximilian Emmert** (Switzerland) - Transcatheter cell-derived tissue engineered heart valves with self-repair and growth capacity

14:50-15:10 - **Mariann Gyöngyösi** (Vienna, Austria) - Meta-Analysis of Cell-based CaRdiac stUdiEs (ACCRUE) in patients with acute myocardial infarction based on individual patient data

15:10-15:30 - **Enca Martin-Rendon** (United Kingdom) - Meta-Analysis of Cell Therapy Trials for Patients with Heart Failure

15:30-15:50 - **Theodora Benedek** (Tîrgu Mures, Romania) - Cardiac CT for long term follow-up after intracoronary stem cell therapy

**15:50-16:10**

**Symposium - Pfizer**

*Theodora Benedek* - The value of Apixaban treatment in patients with Nonvalvular Atrial Fibrillation

**16:10-16:20 - Coffee break**

**16:20-17:55**

**Interventional Cardiology**

***Chairpersons: Șerban Bălănescu, Adrian Iancu***

16:20 - 16:35 - **György Szabó** (Budapest, Hungary) – The significance of the time delay in ESC guidelines (2014) and a Hungarian practice  
(Sponsored by Medtronic )

16:35 - 16:50 - **Șerban Bălănescu** (Bucharest, Romania) - TAVR today: indications, technique and limitations

16:50 - 17:05 - **Adrian Iancu** (Cluj-Napoca, Romania) - From the Regional STEMI network in Cluj-Napoca to the Guidelines Implementation and Research in Acute Myocardial Infarction

17:05 - 17:15 - **István Kovács** (Tîrgu Mureș, Romania) – tbd

17:15 - 17:55 - **Case presentations:** Șerban Bălănescu, István Kovács, Monica Chițu

**17:55 - 18:00 - Coffee break**

**18:00 - 18:45**

**Updates in Cardiology (II)**

***Chairpersons: Elena Bobescu, Monica Chițu***

18:00- 18:15 - **Elena Bobescu** (Brașov, Romania) - Antiplatelet therapy following PCI

18:15 - 18:30 - **Zoltán Járαι** (Budapest, Hungary) - Non-cardiac surgery

18:30 - 18:45 - **Monica Chițu** (Tîrgu Mureș, Romania) - Intracardiac imaging

18:30 - 18:45 - **Gabriella Godina** (Budapest, Hungary) - Pulmonary embolism

**Saturday, 11 July**

**09:00 -13:00**

**Nurse session**

