11th Congress of the
International Society for Experimental Microsurgery

10th Congress of the
Romanian Society for Reconstructive Microsurgery

2nd CompasX Congress
CompasX Association

9th Congress of the
Romanian Society for Surgery of the Hand

TIMISOARA | "TIMISOARA" HOTEL | JULY, 12 - 14, 2012

SCIENTIFIC PROGRAM
Dear Colleagues,

It is our pleasure to welcome you to the 11th Congress of ISEM, which will be held 12-14 July, 2012 in Timisoara, together with the 2nd CompasX Congress, the 10th Congress of the Romanian Society for Reconstructive Microsurgery and the 9th Congress of the Romanian Society for Surgery of the Hand. Since their development, microsurgical techniques have dramatically changed established concepts in basic animal modeling, wound healing and advanced tissue reconstruction. Being an every-day presence in the therapeutic toolbox of surgeons from almost all specialties, or considered as first choice option for animal modeling in transplantation immunobiology, microsurgery proudly stands today as one of the major achievements of the medical field.

Under this "4 Congresses" flag, we aim to provide to our participants an update on how microsurgery "projects" itself in the armamentarium of modern medicine therapeutics in the new millennium.

World renowned faculty will review hot topics, from microsurgical animal modeling in surgical or biopharmaceutical research or transplantation immunobiology, to clinical relevance of microsurgery in tissue reconstruction, in the context of the most recent concepts such as supramicrosurgery. Open scientific debates will address new interdisciplinary concepts to approach unmet medical needs such as diabetic foot and the effort to reduce the overall number of major limb amputation due to ischemic tissue loss which remains endemic worldwide.

Timisoara, the host of our meeting, holds pleasant surprises for those who didn't have the chance yet to visit it and joyful memories for the ones who already know it. With a dramatic history, flourishing art scene illustrating Romania's rich heritage and delightful cuisine to suit all tastes, and famous for it's Italian restaurants, Timisoara is a cosmopolite city awaiting your discovery.

EDNA MONTERO
president SEM

MIHAI IONAC
congress chair, president CompasX Association

LUCIAN JIGA
co-chair, president RSRM

TEODOR STAMATE
President RSSH
The organizing committee of “Timisoara 4 Congresses” would like to express its gratitude to the following sponsors:

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The organizing committee of "Timisoara 4 Congresses" would like to express its gratitude to the following sponsors:

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Medical Technologies International oferă cele mai complete și performante tehnologii în domeniul medical, în special în domeniul chirurgiei și microchirurgiei.

Pe durata congresului va așteptăm la standul MTI pentru a vă putea prezenta produse de referință din protofoliul nostru.

**Sonosite – Ecografie portabile** – SonoSite a dezvoltat MTurbo, un sistem portabil de ultrasonografie, care îmbină aceste aspecte în beneficiul medicului și al pacientului. Calitatea imaginii și a detaliiilor este esențială în interpretarea și diagnosticarea cu ajutorul ultrasonetelor.

**Leica – Microscopie Chirurgicală** – Limitele impuse de natură sunt depășite cu ajutorul tehnologiei de ultimă ora oferită de microscopiolele Leica. HM500 este creat special pentru a facilita mobilitatea chirurgilor pe parcursul efectuării intervențiilor.

**SRA – Bisturi cu ultrasonete** – Lotus este singurul bisturi cu ultrasonete torsionale care se reglează și în același timp siglează vaselor de sânge.

**Zimmer – Electrodermatom** – Cu Zimmer Dermatome Skin Grafting System se obțin grefe de piele uniforme.

**KCI – Sistem de management al plăgilor** – Sistemul KCI Info/Ultavac Therapy este conceput pentru a stimula regenerarea țesutului prin aplicarea presiunii negative la nivelul plăgii. În cele mai multe cazuri, această terapie este vitală în recuperarea postoperatorie.

**Moor Instruments – Sistem Doppler** – Doppler-ul Moor asistă și îmbunătățește performanța medicului în estimarea gradului de vascularizare a țesutului afectat în urma arsuralor de diferite grade. Astfel se asigură acuratețea deciziilor medicului în interpretarea diagnosticului și se evită intervențiile ce nu sunt obligatorii.

**Sunoptics Surgical – Surse de lumină** – Sursa de lumină cu casă, o soluție ideală pentru confortul vizual al medicului pe parcursul orelor petrecute în sala de operații.

**HEBU** – Instrumentar chirurgical specific

**Wright – Substituienți de piele și os** – Barierele în regenerarea naturală a corpului uman sunt depășite cu ajutorul substituienților Wright.

**Ormed DJO – Dispozitive de recuperare pasivă** – Artromot F asigură recuperarea mobilității articulației pumnului și a degetelor, în urma intervențiilor operatorii.

Vă așteptăm cu interes la stand pentru a vă prezenta avantajele produselor oferite de compania noastră. Cei din echipa de vânzări vă pot acorda relații suplimentare la numărul de telefon: 0724897008

De asemenea, pentru detalii suplimentare, vă rugăm accesați site-ul www.mt-intl.ro
Dispozitive medicale

Proteze externe de membre
- Proteză de coapsă - modulară și/sau dezarticulație de genunchi C-Leg
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VENUE
Timisoara Hotel - Conference Center
Marasesti Street no. 1-4,
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SECRETARY OFFICE
Mr. Alin Ciubotaru
Phone: 0040.751.055.139,
Fax: 0040.332.40.88.07
Email: alin.ciubotaru@eventernet.ro

REGISTRATION DESK
The registration desk will be available in the lobby of Timisoara Hotel as follows:
Wednesday, July 11: 14:00 - 19:00
Thursday, July 12: 08:00 - 18:00
Friday, July 13: 08:00 - 18:00
Saturday, July 14: 08:00 - 13:00

LANGUAGE
Official language of the congress will be English.

CONFERENCE ROOM
All papers will be presented in "Atena" Conference Room.

CREDIT CARDS - CURRENCY EXCHANGE
Most major cards (Mastercard, Visa, AmericanExpress) are accepted. The Romanian unit currency is RON (Lei). Please note that identification (passport) is requested when exchanging money. All banks in Romania are authorized to convert foreign currency to RON.
1 EUR is app. 4.45 RON. The official currency rates are found at [www.bnr.ro](http://www.bnr.ro)

CLIMATE
The weather in Timisoara is usually hot during July. Please check the weather forecast before arriving.
TIME ZONE
Greenwich Mean Time (GMT) + 2

ELECTRICITY
Electricity supply in Romania is 220 Volts (50 Hz) and wall outlets conform to the European Standard (CEE 7/4) with two pin plugs. The standard two-pin Euro plug (CEE 7/16) can be connected to these outlets.

USEFUL PHONE NUMBERS
International code for Romania: +40
International calls from Romania: 00 - Country code - Phone number
Emergency number: 112

CONGRESS BADGE
For security purposes, delegates, speakers, accompanying persons and exhibitors are asked to wear their name badges to the scientific sessions and social events. Entrance into sessions is restricted to registered delegates only. Entrance to the Exhibition will be limited to badge holders only. In case of loss of a name badge, please refer to the Registration Desk for a replacement.

DRESS CODE
You may dress informally for the Congress. The dress code is lounge suits for the Welcome Cocktail and smart casual for the Gala Dinner.

DUPLICATIONS - RECORDING
Photography, audiotaping, video recording, digital taping or any other form of duplication is strictly prohibited in the sessions and poster area.

SMOKING POLICY
Smoking is not permitted in the session rooms and the Exhibition area.

TIPPING
Although service charges and taxes are included to accounts by hotels and restaurants, tipping is a general custom in Romania.
Social Program:

WELCOMING COCKTAIL

"Victor Babes" University of Medicine and Pharmacy
Wednesday, July 11 - Romanian Opera House
19:30

For our welcoming cocktail we propose you a very special location: Romanian Opera House, not only a repertory theatre where opera and ballet are performed but also a landmark for the culture and history of our city.

The building was erected in 1875 and has been damaged by two fires. The first was in 1880 and it would take two long years for the Opera House to be reconstructed. The second one, in 1920, was even more severe and only part of the original structure survived. This time, the reconstruction was made after the plans drawn by Duiliu Marcu, and only the side of the building still kept the original style. The rest was redone in the style very much in fashion in the day. In the main hall the frescoes were done by Kiriakoff and their sources of inspiration came from the history and folk tales of Romania.

The State Opera of Timisoara was officially founded in March 1946, and the first director of this prestigious institution was Aca de Barbu. A state institution, the Opera in Timisoara would host some of the most important shows of the genre, ranging from Tosca, Traviata, Rigoletto to Carmen, Cavalleria rusticana, Nabucco and so on, not to mention some Romanian compositions. Also, over the years, the Opera hosted several ballet performances, like Giselle, Swan Lake and many others. Some of the greatest singers, conductors, musicians have graced the Opera with their presence over the years, and several times the musicians from the Romanian Opera went abroad.

After 1990, a new chapter began in the history of the State Opera in Timisoara. Some new opera shows have enjoyed great success, the artists traveled all over the world, great care has been taken into diversifying the offer of shows. Everytime the opera shows put together here enjoyed great popularity and success, far beyond the expectations, and it is not a rare this not being able to find a ticket for certain shows.

_The dress code for the Welcome Cocktail is business informal._
Friday, July 13 - Recas Wine Estate
19:30

Dear colleagues,
It is our pleasure to invite you to the gala dinner where you can indulge in the exquisite Romanian cuisine, marvelous wines and good music. The dinner will take place outdoors, where you will enjoy the pleasant atmosphere and have the chance to discover Recas at its best!
Blessed by the legendary gods of wine, the Recas vineyards had already been well-renowned by 1447, when these lands were purchased by Lord Mihail Severin de Ciorina, which elegantly describes the wines produced here as “medicine for the weak souls and thirsty travelers”. Three centuries later, the immigration waves of the Germanic populations from the Schwaben Region of Bavaria and the consequent blending of their culture with the local one in Recas paved the way for an exceptional wine-making tradition.

Embraced by picturesque rolling hills under the artisanship of famous winemakers, Recas Vineyards whisper to their guests stories of history, tradition and savors, in an encounter to be forever remembered.

Let us take you to this unforgettable trip to Recas!

Gala dinner requires individual reservation (60 euros/pers).
The dress code for the Welcome Cocktail is casual.
The buses will be leaving at 19:00 hours from Hotel "Timisoara".
SATURDAY, JULY 14

TIMISOARA - A PEDESTRIAN’S TOUR

Length: 3.5 hours

PRICE: 90 euro/group*
*A group of minimum 40 persons is required

HUNIAZILOR CASTLE (1 day trip)
Huniazilor Castle is located 200 km away from Timisoara.

Trip's Program

09:00 – 13:00 - traveling from Timisoara to Hunedoara by bus; visit to a traditional wood church.
13:00 – 14:00 - lunch
14:00 – 15:30 - visit at Huniazilor Castle
15:30 – 18:30 - travel back to Timisoara

PRICE: 60 euro/person*
*A group of 15 persons is required

Registration for social program will be also available on spot, at the registration desk in Timisoara Hotel's lobby.
TECHNICAL GUIDELINES

All paper presentations will be in Microsoft PowerPoint file format (.ppt), created and edited in a version of Microsoft Windows operating system.

We are strongly advise you to deliver your presentation at the Media Center at least 3 hours before your presentation is scheduled. The Media Center personnel will verify the integrity of your presentation file and will make sure your presentation will be transferred to the computer in the conference room.

The organizers will not be held responsible for any technical issues that may occur if you choose to deliver your presentation file directly to the person operating the computer in the conference room. Same rule applies if you choose to make the projection directly from your own portable device, without being tested first in the Media Center.

A remote slider with laser pointer will be provided by the organizers.

TIME POLICY

The organizing committee kindly asks all presenters to strictly follow the time limitations for their presentations, according to the Program. The organizers will provide a time counter in order to help the presenter to fit in her/his allocated time. Please be advise that after the allocated time expires, firstly the microphone will be silenced, followed by the interruption of the video signal.

The members of the Organizing Committee thank you in advance for following the time allocation policy.
Main SCIENTIFIC TOPICS of ISEM 2012 Congress:

- Experimental Microsurgery & Basic Science (transplant immunobiology, regenerative medicine, ischemia reperfusion, new concepts in animal modeling)
- Perforator Flaps
- Peripheral Nerves
- Reconstructive Microsurgery: head&neck, upper and lower limb, trunk
- Hand Surgery
- Microsurgical Education and Training
- Vascular & Endovascular Medicine
### SCIENTIFIC PROGRAM (at a glance)

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<td>CLINICAL MICROsurGERY - NERVES 08:30 - 10:15</td>
<td>MICROSURGICAL TRAINING AND TEACHING 08:30 - 10:20</td>
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<td>BASIC SCIENCE - ISCHEMIA REPERFUSION (II) 10:30 - 11:40</td>
<td>CLINICAL MICROsurGERY - LYMPHATIC MICROsurGERY 10:30 - 11:55</td>
<td>CLINICAL MICROsurGERY - VARIA 11:00 - 12:50</td>
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<td>SRCM Board Meeting 12:00 - 13:00</td>
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<td>BASIC SCIENCE - TRANSPLANTATION 13:00 - 14:25</td>
<td>CLINICAL MICROsurGERY - UPPER LIMB 13:00 - 15:45</td>
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**Welcoming Cocktail:** Wednesday, July 11, 19:30, Romanian Opera House
SCIENTIFIC PROGRAM
sessions, chairs & papers
08:30 – 10:00

Chairs: Norbert Nemeth, Eiji Kobayashi

08:30 - 08:40  Adenosine associate to ischemic preconditioning modulate cardiac injury caused by intestinal ischemia and reperfusion in rats
Murched Omar Taha, Márcia Kiyomi Koike, Micaela Frasson Montero, Rafael Saurim Coquim, Wesley Guedes Sava Bonservizi, Edna Frasson de Souza Montero

08:40 - 08:50  Ischemic preconditioning attenuates the inflammatory response in rats after intestinal ischemia/reperfusion
Daniel Faria de Campos Pinheiro, Belchor Fontes, John Kioshi Shimazaki, Paola Vendamini, Sonia Maria da Silva, Joilson O. Martins, Jacqueline de Fátima Jacysyn, Edna Frasson de Souza Montero

08:50 - 09:00  Effect of L-Arginine in heart lesions under intestinal ischemia and reperfusion: morphological study in rats
Murched Omar Taha, Márcia Kiyomi Koike, Anis Taha, Andrezza Penha Camargo, Amanda de Figueiredo Calili, Barbara Barbeiro, Edna Frasson de Souza Montero

09:00 - 09:10  Role of ATP in heart injury following intestinal ischemia and reperfusion in rats
Murched Omar Taha, Marcia Kiyomi Koike, Eduardo Rodrigues Betoletto, Marcele Lossio Santos, Renato Pierucci, Edna Frasson de Souza Montero

09:10 - 09:20  Kidney ischemia/reperfusion injuries: role of NO donors
Raffaele Lanteri, Katia Mangano, Giovanni Li Destri, Roberto Scilletta, A. Pesce, Rosario Caltabiano, Ferdinando Nicoletti, Antonio Di Cataldo, Stefano Puleo

09:20 - 09:30  Liver ischemia/reperfusion injuries: role of NO donors
Raffaele Lanteri, Marco Santangelo, Katia Mangano, Aldo Cocuzza, Amy Giarrizzo, Rosario Caltabiano, Ferdinando Nicoletti, Antonio Di Cataldo
09:30 - 09:40  Experimental ischemia/reperfusion acute pancreatitis: a possible role for oxidative stress and pro-inflammatory cytokines  
Alberto Schanaider, Simone de Oliveira Coelho, Thales Penna de Carvalho, Juan Miguel Renteria, Elis Cristina Araújo Eleuthério, Morgana Teixeira Lima Castelo Branco, Kalil Madi, Heitor Siffert Pereira de Souza

09:40 - 09:50  The effects of Alprostadil and ischemic preconditioning on ischemia and reperfusion syndrome in the kidney of rats  
Karen Ruggeri Saad, Edna Frasson de Souza Montero, José Luiz Martins, Maria Andréia Lopes de Freitas

09:50 - 10:00  The histological and biochemical effects of Alprostadil and pentoxifylline on ischemia and reperfusion syndrome in renal tissue of rats  
Edna Frasson de Souza Montero, Karen Ruggeri Saad, Paulo Fernandes Saad, Maria Andréia Lopes de Freitas

10:00 - 10:30 - Coffee Break
10:30 - 11:40
Chairs: Edna Montero, Raffaele Lanteri

10:30 - 10:40  Histological changes in kidneys, lungs, liver and small intestine of the rat after ischemia and reperfusion of the superior mesenteric artery
Marcio Rogerio Kinshoku, Murilo Gomes Sodré de Sousa, Pedro Luiz Squilacci Leme, Gabriel Satoshi Tome Harada, Renato Lamounier Barbieri

10:40 - 10:50  The use of hypertonic saline (NaCl 7.5%), pentoxifylline and association on ischemia / reperfusion Metabolic parameters, histopathological and immunomarkers
Juliana Goncalves Carvalho, Geraldo Magela Nogueira Marques, Alessandro Rodrigo Belon, Edna Frasson de Souza Montero

10:50 - 11:00  Experimental microdialysis evaluation of the ischemic preconditioned free muscle flaps
Bogdan Hoinoiu, Robert Patachia, Teodora Hoinoiu, Lucian Jiga, Mihai Ionac

11:00 - 11:10  Quantitative evaluation of chronic limb ischemia using Laser Doppler. An experimental model in rat
Teodora Hoinoiu, Vlad Dornean, Bogdan Hoinoiu, Alexandru Nistor, Sorin Barac, Janina Jiga, Gratian Miclaus, Mihai Ionac, Lucian Jiga

11:10 - 11:20  Bone marrow heterologous cells suspension in the treatment of femoral pseudarthrosis in the rat
Alberto Schanaider, Paulo Cesar Silva, Christiano Costa Esposito, Manoel Luiz Ferreira, Lucas Cristo Conilho Macedo Müller

11:20 - 11:30  The use of ex-vivo generated endothelial colony forming cells (ECFCs) for induction of therapeutic neoangiogenesis
Janina Jiga, Teodora Hoinoiu, Vlad Dornean, S. Barac, Bogdan Hoinoiu, Mihai Ionac, Lucian Jiga

11:30 - 11:40  Angiogenic gene therapy. Present and future applications
Andrei Anghel, Georgel Țăranu, Edward Şeclăman, Mihai Ionac, Tămaș Liviu

11:40 – 13:00 - Lunch Break
Basic Science - Transplantation

13:00 - 14:25
Chairs: Lucian Jiga, Mihai Oltean

13:00 - 13:15  KEYNOTE: Intestinal transplantation and intestinal regeneration: the winding road to bedside
Mihai Oltean

13:15 - 13:25  Mesenchymal stem cells combined with mycophenolate mofetil induce T cell regulation and prolong renal allografts survival in cynomolgus monkeys
Lijun Song, Anlun Ma, Hao Dun, Yanxin Hu, Kupa Bilolo, Pierre Daloze, Huifang Chen

Janina Jiga, Bogdan Hoinoiu, Peter Terness, Mihai Ionac, Lucian Jiga

13:35 - 13:45  Infusion of mesenchymal stem cells prevents lung ischemia reperfusion injury in a mouse model of orthotopic lung transplantation
Shuhua Luo, Zhixiang Zhang, Tong Liu, Weijun Tian, Wei Ge, Bertha Garcia

13:45 - 13:55  A new model of simultaneous aorta and heart transplantation in mice
Hao Dun, Yanxin Hu, Huifang Chen

13:55 - 14:05  Applications of experimental transplantation in medical research
Huifang Chen

14:05 - 14:15  Vascularized bone marrow transplant vs conventional bone marrow cells transplantation in conditionated rats
Dragos Zamfirescu, Ion Zegrea, Marius Popescu, Andreea Bularda, Corina Popoviciu, Ioan Lascar

14:15 - 14:25  Microsurgical models for vascularized composite allotransplants in rats
Dragos Zamfirescu, Andreea Bularda, Elena Petracu, Corina Popoviciu, Ioan Lascar

14:25 - 15:00 - Coffee Break
15:00 - 17:30
Chairs: Antonio DiCataldo, Huifang Chen

15:00 - 15:15  KEYNOTE: Translational Research by use of Microsurgical Technologies
               Eiji Kobayashi

15:15 - 15:30  KEYNOTE: The History of Staples and Clips for Vascular Anastomoses
               Wolff M. Kirsch

15:30 - 15:40  Experimental study with VCS clips on jugular vein autografts, on
               synthetic prothesis in vascular microsurgery and its possible
               application in digital and limb replantation
               Maria Carmen Calles-Vázquez, Elena Abellán Rubio,
               Jesús Usón Gargallo, Francisco Miguel Sánchez Margallo

15:40 - 15:50  Videoscope orotracheal intubation on anesthetized Wistar rats
               Marcio Rogerio Kinshoku, Murilo Gomes Sodré de Sousa,
               Jacqueline Roque Ferrari, Jose Caruso, Pedro Luiz Squilacci Leme

15:50 - 16:00  Central and peripheral vascular access in wistar rats - technical
               approaches and practices
               Murilo Gomes Sodré de Sousa, Marcio Rogerio Kinshoku,
               Pedro Luiz Squilacci Leme, Miguel Padula Junior

16:00 - 16:10  Modified method for bronchial suture by Ramirez Gama compared to
               separate stitches suture: experimental study
               Vitor Mayer de Moura, Erinaldo Rocha Paes Landim, Felipe Souza Ferraz,
               Pedro Luiz Squilacci Leme, Marcio Rogério Kinshoku,
               Murilo Gomes Sodré de Sousa

16:10 - 16:20  New model of sterile device with low cost for vascular catheterization
               in rats
               Murilo Gomes Sodré de Sousa, Marcio Rogerio Kinshoku,
               Miguel Padula Junior, Pedro Luiz Squilacci Leme

16:20 - 16:30  Experimental model in rodents of hypovolemic shock
               Miguel Padula Junior, Murilo Gomes Sodré de Sousa,
               Marcio Rogerio Kinshoku, Carlos José Lazzarini Mendes,
               Pedro Luiz Squilacci Leme
THURSDAY
July 12, 2012

Experimental Microsurgery

16:30 - 16:40  An improved resorbable hemostat
Wolff M. Kirsch, Yong Hua Zhu, Samuel Hudson

16:40 - 16:50  Mechanical anastomosis using video-endoscopic system. A
comparative study
Bogdan Hoinoiu, Lucian Jiga, Teodora Hoinoiu, Corina Dumbuleu,
Mihai Ionac

16:50 - 17:00  Videomicrosurgery - an alternative technology in microsurgery
Alexandru Blidisel, Lucian Jiga, Vlad Dornean, Alexandru Nistor,
Bogdan Hoinoiu, Mihai Ionac

17:00 - 17:10  Micro-rheological methods in the service of microsurgical research
Norbert Nemeth, Ferenc Kiss, Zoltan Klarik, Istvan Furka, Iren Miko

17:10 - 17:20  End-to-side selective porto-caval anastomosis in laboratory rats: initial
experiences, intraoperative microcirculatory and follow-up results
Zoltan Klarik, Ferenc Kiss, Eniko Toth, Iren Miko, Istvan Furka,
Norbert Nemeth

17:20 - 17:30  The caudal femoral artery chain-linked perforator flap (CFAPf). A new
experimental model in rat
Vlad Codrut Dornean, Mihai Ionac, Bogdan Hoinoiu, Antonio Testa,
Alexandru Nistor, Lucian Jiga
08:30 - 10:15
Chairs: Pierluigi Tos, Stefano Geuna

08:30 - 08:45
KEYNOTE: Experimental and clinical results in end-to-side repair in difficult lesions
Bruno Battiston

08:45 - 09:00
KEYNOTE: Biological tubulization for nerve repair: from the laboratory bench to clinical application
Pierluigi Tos

09:00 - 09:15
KEYNOTE: Traumatic brachial plexus injuries: tactics and strategy in microsurgical approach
Teodor Stamate

09:15 - 09:25
Gene therapy for promoting nerve regeneration after tubulization repair
Stefano Geuna, Isabelle Perroteau, Bruno Battiston, Pierluigi Tos

09:25 - 09:35
Experimental nerve repair studies in the rat and mouse: advantages of “forelimb” vs “hindlimb” model regarding functional assessment and animal’s well-being
Pierluigi Tos, Stefano Geuna

09:35 - 09:45
The functional prioritization principle in peripheral longs nerve grafting
T. Stamate, A.R. Budurcă, Mariana Stamate

09:45 - 09:55
The Efficiency of Microsurgical Nervous Decompression in Distal Symmetric Diabetic Polyneuropathy (DSDPN)
Sorin Barac, Lucian Jiga, Georgel Taranu, Andreea Rata, Mihai Ionac

09:55 - 10:05
PD-L1 Signal on Liver Dendritic Cells Is Critical for Foxp3+CD4+CD25+ Treg and Liver Tolerance Induction
Hongyu Liu, R. Bakthavatsala, Zihui Meng, James Perkins, Yvette Latchman, Jorge Reyes, Wei Li

10:05 - 10:15
The protective effect of nitrite on liver cold ischemia / reperfusion injury
Lianyue Guan, Hongyu Liu, Peidong Li, Lijuan Xie, Pengfei Zheng, Zihui Meng, Wei Li

10:15 - 10:30 - Coffee Break
10:30 - 11:55  
Chairs: Francesco Boccardo, Corradino Campisi

10:30 - 10:45  
**KEYNOTE: Lymphatic Microsurgery:**
A Translation "from bench to bedside"
**Corradino Campisi**

10:45 - 10:55  
**Lymphatic drainage of mammary gland and upper extremities: from anatomy to surgery to microsurgery**
Corrado Cesare Campisi, Rosalia Lavagno, Lorenz Larcher, Michaela Adami, Francesco Boccardo, Pierluigi Santi, Corradino Campisi, Miguel Amore

10:55 - 11:05  
**Lymphatic microsurgery today for the treatment of peripheral lymphedema: indications, techniques and long-term clinical outcome**
Corrado Cesare Campisi, Rosalia Lavagno, Lorenz Larcher, Michaela Adami, Francesco Boccardo, Pierluigi Santi, Corradino Campisi

11:05 - 11:15  
**A new approach to the prevention and treatment of inguinal lymphocele and postoperative leg lymphedema after groin lymph nodal dissection**
Corrado Cesare Campisi, Rosalia Lavagno, Lorenz Larcher, Michaela Adami, Francesco Boccardo, Pierluigi Santi, Corradino Campisi

11:15 - 11:25  
**Prospective randomized trial on the effects of peripheral lymphedema physical-microsurgical treatment vs. combined physical treatment**
Corrado Cesare Campisi, Rosalia Lavagno, Michaela Adami, Francesco Boccardo, Pierluigi Santi, Corradino Campisi

11:25 - 11:35  
**Lymphatic complications after great saphenous vein surgery: from anatomical studies to microsurgical techniques**
Francesco Boccardo, Corrado Campisi, Corradino Campisi
11:35 - 11:45  Lymphatic microsurgery to treat and prevent lymphatic complications due to melanoma treatment: an update  
Rosalia Lavagno, Corrado Cesare Campisi, Marcello Maestri,  
Francesco Boccardo, Paolo Dionigi, Corradino Campisi

11:45 - 11:55  Management of lymphatic lesions following head and neck surgical oncology  
Corrado Cesare Campisi, Cesare Piazza, Francesco Boccardo,  
Giorgio Peretti, Pierluigi Santi, Piero Nicolai, Corradino Campisi

11:55 - 13:00 - Lunch Break
13:00 - 15:45  
**Chairs: Alexandru Georgescu, Bruno Battiston**

13:00 - 13:15  **KEYNOTE: Propeller perforator flaps in forearm: Evolution and clinical applications**  
*Alexandru Georgescu*

13:15 - 13:30  **KEYNOTE: Microsurgical reconstruction of the traumatized thumb**  
*Robeto Adani*

13:30 - 13:45  **KEYNOTE: Bank tissue concepts in emergency treatment of mangled upper extremities**  
*Bruno Battiston*

13:45 - 13:55  **Toe transfer in emergency**  
*Alexandru Georgescu, Ileana Matei*

13:55 - 14:05  **Wraparound versus loco-regional flaps in bilateral thumb degloving**  
*T. Stamate, A.R. Budurca, A.N. Lazar, Georgiana Stamate, I. Topa*

14:05 - 14:15  **Possibilities of reconstruction of first digital ray with intact thumb pulp**  
*Mihaela Mastacaneanu, Zorin Crainiceanu, Georgeana Prilipceanu, Vladislav Gyebnar, Sidharth Gupta, Andreea Totok, Tiberiu Bratu*

14:15 - 14:25  **Use of “home-made” dynamic external fixator for comminuted, intraarticular finger fractures**  
*Vlad Bloanca, Zorin Crainiceanu, Mihaela Mastacaneanu, Shruti Kaushal, Lucian Galosi, Tiberiu Bratu*

14:25 - 14:35  **Modified Brunelli pull-out technique in flexor tendons repair in zones II**  
*Alexandru Georgescu, Ileana Matei, Irina Capota*

14:35 - 14:45  **Delayed venous repair for distal phalanx replantation**  
*Dragos Zamfirescu, Andrei Stefanescu, Bogdan Maciuceanu, Corina Popoviciu, Ioan Lascar*

14:45 - 14:55  **Vascularized bone reconstruction in the treatment of the first digital ray defects of the hand**  
*Grigore Verega, Leonid Feghiu, Roman Smolnitchii, Igor Sapovalov, Vlad Gladun, Vasile Rosca*
14:55 - 15:05  Management of ring avulsion injuries  
Grigore Verega, Roman Smolnitchii, Vitalie Chirila, Anatolii Calistru,  
Marcel Clipa, Rodica Iordachescu

15:05 - 15:15  Locoregional ulnar perforator flaps in complex hand injuries  
Ioannis A. Ignatiadis

15:15 - 15:25  Adult brachial plexus reconstruction  
Dragos Zamfirescu, Raluca Moraru, Andreea Bularda, Corina Popoviciu,  
Bogdan Maciuceanu, Ioan Lascar

15:25 - 15:35  The endorobotic exploration of the latissumus dorsi and its  
implications in shoulder surgery  
José Carlos Garcia Jr., John Pedersen, Philippe Liverneaux,  
Edna Frasson de Souza Montero

15:35 - 15:45  Endorobotic exploration of the quadrangular space, a new perspective  
for quadrangular space syndrome treatment  
José Carlos Garcia Jr., Philippe Liverneaux,  
Edna Frasson de Souza Montero

15:45 - 16:00 - Coffee Break
16:00 - 17:30
Chairs: Marco Innocenti, Joon Pio Hong

16:00 - 16:15  KEYNOTE: Microsurgical reconstruction after soft tissue sarcoma excision in the extremities  
Marco Innocenti

16:15 - 16:30  KEYNOTE: Perforator-to-perforator supermicrosurgery - the next evolution  
Joon Pio Hong

16:30 - 16:40  A multidisciplinary approach to reduce the number of amputations due to ischemic tissue loss  
Mihai Ionac

16:40 - 16:50  The use of local perforator flaps for soft tissue reconstruction in the lower leg. Our experience  
Lucian Jiga, Andreea Rata, Georgel Taranu, Sorin Barac, Vlad Dornean, Mihai Ionac

16:50 - 17:00  Local perforator flaps in lower limb reconstruction  
Alexandru Georgescu, Ileana Matei

17:00 - 17:10  Technical aspects regarding harvest of tibial posterior corticoperiosteocutaneous perforator flaps. Anatomic study. Clinical cases  
Grigore Verega, Leonid Feghiu

17:10 - 17:20  A systematic approach to the failed plastic surgical reconstruction of the diabetic and septic necrotic foot  
Ioannis A. Ignatiadis

17:20 - 17:30  Diabetic Neuropathy - the most important foot ulcer risk factor in diabetic patients  
Ioan A. Veresiu

17:30 - 17:40  Treatment of infected nonunions of the tibia with tibial posterior corticoperiosteocutaneous perforator flaps  
Grigore Verega, Leonid Feghiu
Microsurgical Training and Teaching

08:30 - 10:20

Chairs: Mihai Ionac, Wolff Kirsch

08:30 - 08:40  Sustainable Animal Model for Research and Teach Microsurgery to Academics
Ivone da Silva Duarte, Pedro Luiz Squilacci Leme, Cinthya Cosme Gutierrez Duran, Murilo Gomes Sodré de Sousa

08:40 - 08:50  Artificial hand for vascular microsurgery training on digital replantation: clinical subjective validation
Jesús Usón- Gargallo, Maria Carmen Calles-Vázquez, Elena Abellán-Rubio, Alberto Ballestín Rodriguez, Francisco Miguel Sánchez-Margallo

08:50 - 09:00  Training model at the microsurgery unit of the Jesus Uson Minimally Invasive Surgery Centre: pyramidal model and multiplayer system of teaching
Maria Carmen Calles-Vázquez, Elena Abellán-Rubio, Francisco Miguel Sánchez-Margallo, Alberto Ballestín Rodriguez, Jesús Usón- Gargallo

09:00 - 09:10  Microvascular anastomoses. A perfect training for the surgical residents
Antonio Di Cataldo, Giovanni Li Destri, Raffaele Lanteri, Rosalia Latino, Marco Santangelo, Martina Calabrini, Jessica Ferraro, Stefano Puleo

09:10 - 09:20  New model of education and training in microvascular using bovine lingual artery
Murilo Gomes Sodré de Sousa, Marcio Rogerio Kinshoku, Carolina De Barros Jaqueta, Pedro Luiz Squilacci Leme

09:20 - 09:30  Proposal for simulated microsurgery basic training skills to the academy of medicine
Marcio Rogerio Kinshoku, Murilo Gomes Sodré de Sousa, Gabriel Satoshi Tome Harada, Gabriel Pereira Gazotto
09:30 - 09:40  Sustainable microsurgical animal model for research and academics training
Marcio Rogério Kinshoku, Ramiro de Souza Fidalgo,
Cinthya Cosme Gutierrez Duran, Pedro Luiz Squilacci Leme

09:40 - 09:50  The use of preserved Wistar esophagus for microsurgical training
Marcio Rogerio Kinshoku, Ramiro de Souza Fidalgo,
Murilo Gomes Sodré de Sousa, Vitor Mayer de Moura

09:50 - 10:00  Establishing a comprehensive program in microsurgical training - the Advanced Course of the Italian Society for Microsurgery
Pierluigi Tos, Riccardo Cipriani, Ignazio Marcoccio, Santolo Cozzolino

10:00 - 10:10  Our experiences in the graduate level teaching of basic microsurgical techniques between 2007-2012 at the Department of Operative Technique and Surgical Research, University of Debrecen
Istvan Furka, Zoltan Klarik, Norbert Nemeth, Adrienn Toth-Martinez,
Erika Sajtos, Timea Hever, Lili Matyas, Iren Miko

10:10 - 10:20  The application of various non-living models in basic microsurgical skills training
Zoltan Klarik, Eniko Toth, Norbert Nemeth, Iren Miko, Istvan Furka

10:20 - 11:00 - Coffee Break
11:00 - 12:50

Chairs: Dragos Pieptu, Zorin Crainiceanu

11:00 - 11:10  Reconstructive possibilities using variants of anterolateral thigh free flap  
Zorin Crainiceanu, Mihaela Mastacaneanu, Vlad Bloanca, Shruti Kaushal,  
Pance Taskov, Viviana Narad, Tiberiu Bratu

11:10 - 11:20  Versatility of anterolateral thigh free flap  
Lucian Fodor, Marius Fodor, Codrin Dobreanu, Serban Porumb,  
Sobec Raluca, Demea Flaviu, Maximilian Munteanu, Sybille Mbwlingue,  
Constantin Ciuce

11:20 - 11:30  Versatility of the latissimus dorsi flap  
Dragos Zamfirescu, Raluca Moraru, Andreea Bularda,  
Bogdan Maciuceanu, Corina Popoviciu, Ioan Lascar

11:30 - 11:40  Free vascularized bone grafts  
Dragos Zamfirescu, Andrei Stefanescu, Corina Popoviciu,  
Andreea Bularda, Ioan Lascar

11:40 - 11:50  Complex head and neck microsurgical reconstruction after tumor resection  
Lucian Fodor, Marius Fodor, S. Porumb, Magdalena Chirila, Sever Pop,  
Marcel Cosgarea, Constantin Ciuce

11:50 - 12:00  Microsurgical reconstruction of the head and neck  
Dragos Zamfirescu, Dragos Slavescu, Corina Popoviciu, Andreea Bularda,  
Ioan Lascar

12:00 - 12:10  Microsurgical reconstruction of the head defects  
Anatolii Calistru, Grigore Verega, Igor Sapovalov, I. Oloier,  
Roman Smolnitchi, Vlad Gladun

12:10 - 12:20  Is the gold weight a gold standard in facial palsy?  
Angelica Balaur, Nicolae Ghetu, Dragos Pieptu

12:20 - 12:30  End-to-end versus end-to-side venous microanastomoses in head and neck reconstruction  
Cesare Piazza, Valentina Taglietti, Corrado Campisi, Piero Nicolai
12:30 - 12:40  Uroplastic microsurgery
Dragos Zamfirescu, Sebastian Voinea, Florin Juravle, Corina Popoviciu, Andreea Bularda, Silviu Andrei, Ioan Lascar

12:40 - 12:50  Upper vs lower limb replantations
Dragos Zamfirescu, Andrei Stefanescu, Bogdan Maciuceanu, Corina Popoviciu, Ioan Lascar