EFSM XIIth CONGRESS
Congress of the European Federation Societies for Microsurgery

AEM XVth CONGRESS
National Congress of the Spanish Association of Microsurgery in conjoint Symposium with the Turkish Society for reconstructive Microsurgery

APRIL 3th - 5th, 2014 - BARCELONA-SPAIN

www.efsm.eu
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Dear friends and colleagues,

The 12th Congress of the European Federation of Societies for Microsurgery (EFSM) and the 15th National Congress of the Spanish Association of Microsurgery in conjoint Symposium with the Turkish Society for Reconstructive Microsurgery will be hosted in Barcelona, Spain, April 3rd - 5th, 2014; prior to this event will take place a day dedicated to European Microsurgical Training and Research Association (EMTRA) on April 2nd, 2014. The Spanish Society for Reconstructive Microsurgery with support from EFSM joined forces to transform this great occasion to a memorable event in the Federation’s history. In 2014, EFSM will reach a significant milestone on its mission to becoming a leading european and international scientific forum for the exchange of ideas among microsurgeons, hand surgeons, clinicians and medical researchers et at large, interested in the advancement of the field.

The city of Barcelona, with its rich cultural and academic tradition, makes an attractive choice and great location for this event. The scientific program features a versatile combination of symposia and invited sessions, presented by european and international world-renowned speakers, experienced in addressing state-of-the-art issues with a global perspective and interpretation. It will be an excellent opportunity to initiate discussions on up-to-date topics in reconstructive microsurgery and to open scientific debates between all those involved in this ever-expanding surgical field, from basic science to hand, plastic, orthopedic and other specialties. The high-impact scientific program will be supplemented by an appealing social program, which you will all find attractive, giving you the opportunity to exchange ideas on the one hand and tighten the bonds among your microsurgery family, on the other hand.

We hope that this meeting can bring together microsurgeons with long standing experience, which will offer pearls of their wisdom and creativity to the young and enthusiastic colleagues. It is in our hands, minds and hearts to mould an impressive future together!

We are looking forward to see you in Barcelona, to share this wonderful scientific and social event!
X. Alonso (Spain)
S. Ayhan (Turkey)
K. Bacakoğlu (Turkey)
J. Bahm (Belgium)
A. Bathia (India)
B. Battiston (Italy)
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T.S. Beneragama (Sri Lanka)
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G. Brunelli (Italy)
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J.Casancs (Spain)
J.R. Castello (Spain)
P. Cavadas (Spain)
S.J. Chinchalkar (Canada)
E. Chouhy (Argentina)
R. Cipriani (Italy)
J. Clifton (Mexico)
J. Cosentino (Argentina)
K. Coskunfirat (Turkey)
P.C. Cruz (Peru)
M. Cuadros (Spain)
W. de Pawlikowski (Peru)
F. del Pinal (Spain)
F. Demirkan (Turkey)
Y. Demirtas (Turkey)
T. el Gamal (Egypt)
M. El Mahy (Egypt)
A.R. Erçöçen (Turkey)
F. Eren (Turkey)
J. Estrada (Spain)
G. Felmerer (Germany)
S. Fernandez (Spain)
J. Fontdevila (Spain)
M. Frey (Austria)
D. Gara (Argentina)
A. Garcia Lopez (Spain)
A. Georgescu (Romania)
S. Geun (Italy)
G. Giacalone (Belgium)
P. Giannakopoulos (Greece)
A. Gilbert (France)
A. Gohritz (Germany)
H. Gotani (Japan)
J.M. Gracies (Spain)
M. Gras (Spain)
A. Gupta (India)
L. B. Hai (Singapore)
G. Hallock (USA)
C. Higuera (Spain)
H. Hirata (Japan)
J.P. Hong (Korea)
I. Ignatiadis (Greece)
M. Innocenti (Italy)
Y. Ishibashi (Japan)
Y. Iwamoto (Japan)
L. Jiga (Germany)
N. Jones (USA)
I. Kaplan (Turkey)
J.T. Kim (Korea)
U. Knesser (Germany)
M. Koub (Egypt)
A. Kou (India)
J. Kozarski (Serbia)
Y. Kun Tu (Taiwan)
Laredo (Spain)
J.M. Lasso (Spain)
G. Leblebicoglu (Turkey)
C. Leclercq (France)
J.L. Liorente (Spain)
L. Llusa (Spain)
A. Lovic (Spain)
E. Lykoudis (Greece)
S. Mandini (USA)
G. Martinez Villén (Spain)
J. Masia (Spain)
F. Memvielle (Argentina)
J.L. Mendoza (Mexico)
M. Merle (France)
A. Moratona (Spain)
A. Morita (Japan)
M. Morón (Switzerland)
G. Mun (Korea)
A. Mushet (Spain)
S. Myers (UK)
Y. Nakamura (Japan)
A. Nascimento (Portugal)
R. N. Nasik (India)
R. Nehete (India)
HH. Noaman (Egypt)
A. Oguz (Canada)
D. Olivera (Spain)
T. Özalp (Turkey)
B. Özden (Turkey)
Ö. Özekan (Turkey)
S. Palazzi (Spain)
F. Parmaksizoğlu (Turkey)
Pi Folguera (Spain)
G. Pons (Spain)
P. Poo (Spain)
C. Puente (Spain)
G. Raftogiannis (Greece)
P. Raimondi (Italy)
R. Reynoso (Mexico)
M. Riccio (Italy)
A. Riza (Turkey)
M. Rodriguez Vegas (Spain)
R. Sabapathy (India)
M. Saint-Cyr (USA)
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T. Schoeller (Germany)
F. Senes (Italy)
M. Shibata (Japan)
M. Solinc (Slovenia)
T. Stamate (Romania)
M. Stevanovic (USA)
A. Stritar (Slovenia)
S. Suominen (Finland)
C. Tetik (Turkey)
S. Toh (Japan)
M. Topalan (Turkey)
T. Toros (Turkey)
P. Tos (Italy)
E. Tukiainen (Finland)
S. Tuncer (Turkey)
Ç. Ünal (Turkey)
P. Valenti (France)
L. Venture (Spain)
S. Vilkki (Finland)
C. Vlastou (Greece)
C. Vucetich (Serbia)
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CONGRESS VENUE
Hotel Avenida Palace
Gran Via de les Corts Catalanes, 605
08007 Barcelona
www.avenidapalace.com

WEBSITE
www.efsmandeu/efsmand2014
www.microcirugia.org

REGISTRATION FEES

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<tr>
<td>EFSM member</td>
<td>400 €</td>
<td>450 €</td>
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<tr>
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<td>450 €</td>
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<tr>
<td>Resident*</td>
<td>200 €</td>
<td>225 €</td>
<td>250 €</td>
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<tr>
<td>Accompanying Person**</td>
<td>100 €</td>
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All prices VAT included

* After registration, the Resident must send by e-mail the proof of status. If forms certifying status are sent after the early registration deadline, late fees will be applicable even when the registration forms are received before the deadline.

** No access to scientific programme, no catering.

Ticket for gala dinner - 80 € (Vat Included)

INSTRUCTIONAL COURSE

Registrations for the Instructional Courses now is open, please send an email to instructionalcourses@torrespardo.com with your personal details (name, surname and email address) and specify the Instructional course/ courses you would like to attend.

Thursday, April 3rd, 2014, 07:30 - 08:30
Instructional Course 1: Fundamental Concepts in Microsurgical Nerves Reconstruction
Instructional Course 2: Up to Date in Lower Limb Free Flaps Reconstruction

Friday, April 4th, 2014, 07:30 - 08:30
Instructional Course 3: Up to Date in Facial Palsy Reconstruction
Instructional Course 4: Avascular Necrosis of the Femoral Head
Instructional Course 5: Up to Date in Upper Limb Free Flaps Reconstruction

Saturday, April 5th, 2014, 07:30 - 08:30
Instructional Course 6: Perforator Flaps: How I do it?

OFFICIAL LANGUAGE

English will be the official language of the Congress
GENERAL INFORMATION

NAME BADGE
A name badge is provided with your registration documents upon arrival at the conference centre. For security and regulation purposes, the wearing of the badge is compulsory at all times inside the conference centre and at all official events organized within the context of the FESSH Congress.

DELEGATES REGISTRATION FEES INCLUDES
• Admission to the scientific sessions and satellite symposia
• Abstract CD-ROM
• Congress bag with scientific materials
• Congress badge
• Admission to Exhibition
• Admission to the Opening Ceremony and Welcome Reception
• Coffee Breaks during the Congress
• Certificate of Attendance

ABSTRACTS
All abstracts and presentation are in English. The abstract CD-ROM is in your Congress bag.
The abstracts of the congress will be published on CD ROM, which will be a supplement of Journal of Hand Surgery (European), and will be also available on both Sage and JRM website.

SCHEDULE
Program timing and schedule will be strictly respected.

GALA DINNER
At 21.00 Friday 4th April at EL PRINCIPAL (Provença 286-288 Barcelona)

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08007 Barcelona

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- **CAR:** 16km (25’)
- **TAXI:** 30€ aprox (20’)

TRAIN: 4€ aprox
- Airport------Passeig de Gràcia: 30’
- Passeig de Gràcia------VENUE: 10’

AEROBUS: 6€ aprox
- Airport------Plaça Catalunya: 35’
- PLAÇA CATALUNYA------VENUE: 10’

**C** HIGH SPEED TRAIN STATION (Sants Estació)
- **TAXI:** 15€ aprox (10’)

UNDERGROUND L3
- Sants Estació------Passeig de Gràcia: 12’
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**Venue**

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**Location Map**

- M: Passeig de Gràcia  
Passeig de Gràcia
- L2: Passeig de Gràcia  
Passeig de Gràcia
- L3: Passeig de Gràcia  
Plaça Catalunya
- L1: Plaça Catalunya
- Renfe: Passeig de Gràcia  
Plaça Catalunya
- Plaça Catalunya

Walking Distance:

- Venue — LA PEDRERA  
  Passeig de Gràcia  
  15'
- Venue — PLAÇA CATALUNYA  
  10'
- Venue — LA RAMBLA  
  15'
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<tr>
<td>08.00 - 08.30</td>
<td></td>
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<td>Up to Date in Lower Limb Free Flaps Reconstruction</td>
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<td>SYMPOSIUM 2 Spasticity 1</td>
<td>SESSION 1 Miscellaneous</td>
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<td>From traditional flaps to perforator flaps</td>
<td>CONFERENCE 2 - A. Gilbert</td>
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<td>SYMPOSIUM 9 Lower Limb Reconstruction 1</td>
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<td>13.30 - 14.00</td>
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Programme at a Glance

**Gran Salón**

- **SYMPOSIUM 1**: Peripheral Nerves 1
- **SYMPOSIUM 2**: Spasticity 1
- **SYMPOSIUM 3**: Spasticity 2
- **SYMPOSIUM 4**: Bone Reconstruction

**Parrilla**

- **SYMPOSIUM 5**: Brachial Plexus 1
- **SYMPOSIUM 6**: Brachial Plexus 2

**Terraza A**

- **SYMPOSIUM 7**: EMTRA
- **SESSION 1**: Miscellaneous
- **SESSION 2**: Perforator flaps
- **SESSION 3**: Upper Limb Reconstruction

**CONFERENCE 1** - A. Georgescu: From traditional flaps to perforator flaps

**CONFERENCE 2** - A. Gilbert: Strategy in late presentation in brachial plexus

**LUNCH**

**OPENING CEREMONY and WELCOME COCKTAIL**
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<tr>
<td>07.30 - 08.00</td>
<td><strong>INSTRUCTIONAL COURSE 3</strong>&lt;br&gt;Up to Date in Facial Palsy Reconstruction</td>
<td><strong>INSTRUCTIONAL COURSE 4</strong>&lt;br&gt;Avascular Necrosis of the Femoral Head</td>
<td><strong>INSTRUCTIONAL COURSE 5</strong>&lt;br&gt;Up to Date in Upper Limb Free Flaps Reconstruction</td>
</tr>
<tr>
<td>08.00 - 08.30</td>
<td>SYMPOSIUM 12&lt;br&gt;Lower Limb Reconstruction 2</td>
<td>SYMPOSIUM 13&lt;br&gt;Breast Reconstruction 2</td>
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<tr>
<td>08.30 - 09.00</td>
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<td>09.00 - 09.30</td>
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<td><strong>SESSION 4</strong>&lt;br&gt;Balistics</td>
<td><strong>SYMPOSIUM 15</strong>&lt;br&gt;Obstretical 1</td>
<td><strong>SESSION 5</strong>&lt;br&gt;Bone Reconstruction</td>
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<td><strong>SYMPOSIUM 17</strong>&lt;br&gt;Facial Palsy</td>
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<td>13.00 - 13.30</td>
<td><strong>CONFERENCE 3</strong> - R. Consentino&lt;br&gt;Free flaps history: Our personal experience</td>
<td><strong>CONFERENCE 4</strong> - N. Jones&lt;br&gt;Microsurgery in pediatrics</td>
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<td><strong>SYMPOSIUM 18</strong>&lt;br&gt;Free Functioning Muscle Transfers</td>
<td><strong>SYMPOSIUM 19</strong>&lt;br&gt;Congenital</td>
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<td>17.00 - 17.30</td>
<td><strong>SYMPOSIUM 20</strong>&lt;br&gt;Advances in Perforator Flaps</td>
<td><strong>SYMPOSIUM 21</strong>&lt;br&gt;Lymphedema</td>
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**PROGRAMME AT A GLANCE**

**FRIDAY APRIL 4th, 2014**

**SYMPOSIUM 12**<br>Lower Limb Reconstruction 2

**SYMPOSIUM 13**<br>Breast Reconstruction 2

**SYMPOSIUM 14**<br>Balistics

**SYMPOSIUM 15**<br>Obstretical 1

**SYMPOSIUM 16**<br>Obstretical 2

**SYMPOSIUM 17**<br>Facial Palsy

**CONFERENCE 3** - R. Consentino<br>Free flaps history: Our personal experience

**CONFERENCE 4** - N. Jones<br>Microsurgery in pediatrics

**SESSION 4**<br>Balistics

**SESSION 5**<br>Bone Reconstruction

**INSTRUCTIONAL COURSE 3**<br>Up to Date in Facial Palsy Reconstruction

**INSTRUCTIONAL COURSE 4**<br>Avascular Necrosis of the Femoral Head

**INSTRUCTIONAL COURSE 5**<br>Up to Date in Upper Limb Free Flaps Reconstruction

**INSTRUCTIONAL COURSE 4**<br>Up to Date in Upper Limb Free Flaps Reconstruction

**INSTRUCTIONAL COURSE 5**<br>Up to Date in Upper Limb Free Flaps Reconstruction

**INSTRUCTIONAL COURSE 3**<br>Up to Date in Facial Palsy Reconstruction

**INSTRUCTIONAL COURSE 4**<br>Avascular Necrosis of the Femoral Head

**INSTRUCTIONAL COURSE 5**<br>Up to Date in Upper Limb Free Flaps Reconstruction
# Programme at a Glance

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<tr>
<th>Time</th>
<th>Gran Salón</th>
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<td>07.30 - 08.00</td>
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<td>Instructional Course 6</td>
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<tr>
<td>08.00 - 08.30</td>
<td>SYMPOSIUM 22</td>
<td>SYMPOSIUM 23</td>
<td>Perforator Flaps: How I do it?</td>
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<td>Upper Extremity Reconstruction</td>
<td>Head and Neck 2</td>
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<td>Conference 6 - M. Stevanovic</td>
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<td>Peripheral Nerves 2</td>
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**Closing Remarks**
07:30-08:30 - PARRILLA

**IC 1**

**Fundamental Concepts in Microsurgical Nerves Reconstruction**

**Chairman:** A. Muset (Spain)

**Speakers:**
- A. Muset (Spain)
- A. Moratona (Spain)
- D. Olivera (Spain)
- R. Boetcher (Germany)

Treatment concepts in iatrogenous peripheral nerves injuries

07:30-08:30 - TERRAZA A

**IC 2**

**Up to Date in Lower Limb Free Flaps Reconstruction**

**Chairman & Speakers:** J.M. Lasso (Spain) Laredo (Spain)

08:30-10:30 - GRAN SALÓN

**SYMPOSIUM 1**

**PERIPHERAL NERVES 1**

**Chairman:** L. Llusa (Spain) F. Eren (Turkey)

08:30 h Biologic fundamentals in nerve repairs
- S. Geuna (Italy)

08:40 h Nerve transfers guided with Preoperative registers
- J. Casanas (Spain)

08:50 h Median nerve injuries
- M. Llusa (Spain)

09:00 h Nerve transfers in tetraplegic patients
- A. Gofritz (Germany)

09:10 h Advances in nerve grafting
- N. Jones (USA)

09:20 h Combined treatment for peripheral nerves lesions
- G. Martinez Villen (Spain)

09:30 h Quantitative analysis of human upper limb primary nerve branching points
- E. Lee; S. Sebastini; A. Cheah; A. Lim (Singapore)

**OP 09:40 h** Comparison of nerve defect reconstructions committed by placing vascular endothelial growth factor (VEGF) or mesenchymal stem cells into the vein graft lumen in conjunction with nerve fragments
- F. Eren; S. Onsuz; Z. Kucukodaci; M.T. Kendirci; C. Cesar; E. Alarcon; E. Bektas; H. Karagoz; O.S. Kermisilik; G.T. Kose; E. Ujur (Turkey)

**OP 09:52 h** Sciatic nerve injury and bone defect on subtrochanteric region on a young male patient after injury with a military gun-treatment with acute shortening and end to end neuroraphy – case report
- I. Ignatidou; S. Pneumatikos; V. Polyzos (Greece)

**OP 09:58 h** Experimental protocol for study and evaluation of post-surgical perineural scar
- A. Crocco; P. Tos; M. Cherubini; M. Izzo; S. Geuna; L. Valdatta (Italy)

10:04 h Discussions

08:30-09:30 - PARRILLA

**SYMPOSIUM 2**

**SPASTICITY 1**

**Chairman:** C. Leclerq (France) P. Poo (Spain)

08:30 h The spastic patient: etiology, evaluation, principles of treatment
- P. Poo (Spain)

08:40 h The role of botulinum toxin in spasticity
- X. Alonso (Spain)

08:50 h The concept of selective neurotomy
- G. Brunelli (Italy)

09:00 h Motor anatomy of the median, ulnar and radial nerves and application to hyperselective neurotomy
- A. Cambon-Binder (France)

09:10 h Preliminary results of hyperselective neurectomy in the upper limb
- A. Moratona (Spain)

09:20 h Discussions
09:30-10:30 - PARRILLA
SYMPOLISM 3
SPASTICITY 2
Chairman: A. Moratona (Spain)
X. Alonso (Spain)

09:30 h How do we evaluate spasticity? A difficult task J. M. Gracies
09:40 h Reliability of preoperative electrical stimulation M. Gras
09:50 h Associated procedures in the surgical treatment of spasticity of the upper limb C. Leclercq (France)
10:00 h Alternative procedures in the surgical treatment of spasticity of the lower limb? M. Zera
10:10 h Combination of botulinum toxin therapy and surgical treatment – first concept and selected cases R. Boetcher (Germany)
10:20 h Discussions

08:30-10:00 - TERRAZA A
ORAL PAPER SESSION 1
MISCELLANEOUS
Chairman: T. Stamate (Romania)
E. Lykoudis (Greece)

08:30h Microsurgical reconstruction of penis G. Montalegre Gomez (USA)
08:35 h Experience with microsurgical reconstruction of the penis SM. Kurna, S. Purrott, R. Shah, M. Menezes (India)
08:40 h Free flaps in clinical practice MV. Bazaleus (Mexico)
08:45 h The use of fibrin glue to protect microanastomoses in limb reconstructive surgery S. Lang, HU. Stenau; TA. Schlehauser; M. Duoda; PH. Zepf; N. Simoller (Germany)
08:50 h Comparing the results of free tissue transfers in elderly and young patients and risk assessment B. Sacan; F. Cetel; FN. Durmic; Kokaslan; O. Bekir; C. Le; A. Unalgunolu (Turkey)
08:55 h Clinical utility of high resolution ultrasonography in the postoperative monitoring of free tissue transfers R. Shnoddik; T. Sunagawa; Y. Nakashima; Y. Kawashish; M. Och (Japan)
09:00 h Versatility of the antebibial free flap MV. Bazaleus (Mexico)
09:05 h Lateral circumflex femoral artery system as a universal free flap donor area T.O. Acarturk (USA)

09:10 h Intraoperative vasopressor therapy does not affect free flap viability: a myth busted T.O. Acarturk (USA), Z. Dong, L. Umfrey, L. Zammerilla, V. Chawon, N. Val, EK. Manders, JM. Russeauage (USA)
09:15 h Controversies in venous Anastomosis: a critical analysis of choice of recipient vein, number of outflows, style and technique T.O. Acarturk (USA), M. Sarei (USA)
09:25 h Free flaps in head and neck reconstruction Jefta Kozarski, B. Djordjevic, Nikola Ostojic, Serbia
09:30 h Microsurgical management of blast injuries. Report of our experience on 25 clinical cases J. Bakchus, S. Dig, E. Zoghair, A. El Khaiti, Lebanon
09:35 h Thoracic propeller perforator flaps for covering soft tissue defects I. Matei, A. Geogescu, R. Lacatus, M. Daskalakis (Romania, Greece)
09:40 h Transferred free flaps – biological values J. Kozarski (Serbia)
09:45 h The rationale and results of transtrochanteric rotational osteotomy for osteonecrosis of the femoral head T. Yamamoto, Y. Iwamoto (Japan)
09:50 h Discussions

10:00-10:30 - TERRAZA A
ROUND TABLE ELBOW
Custom Made Reconstruction of the Elbow: An International Perspective
Chairman: M. Innocenti (Italy), S. Toh (Japan)
Participants: H. Bueger (Germany), P. Cauadas (Spain), M. Shehata (Japan)

10:30-11:00
COFFEE BREAK
11:00-13:00 - GRAN SALÓN

**SYMPOSIUM 4**

**BONE RECONSTRUCTION**

**Chairman:**
M. Innocenti (Italy)
C. Puente (Spain)

11:00 h The congenital pseudoarthrosis of tibia: etiology and clinical features
A. Muset (Spain)

11:10 h Microsurgical treatment of congenital pseudoarthrosis of tibia
S. Toh (Japan)

11:20 h Upgrading on medial condyle flap
H. Buergner (Germany)

11:30 h Microsurgical reconstruction of large bony defects in the upper limb
P. Tso (Italy)

11:40 h Microsurgical reconstruction of post traumatic bone defects in upper extremity
C. Puente (Spain)

11:50 h Ipsilateral vascularized fibular grafts for the treatment of congenital pseudarthrosis of the tibia
M. El-Mahy (Egypt)

12:00 h Comparative experimental research with avascular versus vascularized bone
G. Brunelli (Italy)

12:10 h Indications for muscle-rib flap in bone reconstruction in extremities
A. Georgescu (Romania)

12:20 h Vascularized bone grafts for small bone defects
F. del Pinal (Spain)

12:30 h Twenty year follow-up after microsurgical reconstruction of the dru-joint with a free vascularized joint transfer
Simo K. VilkkI

12:40 h Discussions

11:30 h Neurotization from CC7 to lower trunk via prespinal route
S. Wang (China)

11:40 h Neurogenic thoracic outlet syndrome. Experience with 200 cases
R. Reynoso (Mexico)

11:50 h Discussions

12:00-13.00 - PARRILLA

**SYMPOSIUM 6**

**BRACHIAL PLEXUS 2**

**Chairman:**
A. Nascimento (Portugal)
A. Batha (India)

12:00 h Brachial plexus with vascular lesions
A. Nascimento (Portugal)

12:10 h Brachial plexus injuries supraclavicular lesions
G. Leblebicioglu (Turkey)

12:20 h Ballistic injuries of the brachial plexus-challenging problem
T.S. Benjamin (Sri Lanka)

12:30 h Proximal vs distal intraplexual neurotization
T. Stamate (Romania)

12:40 h Direct coaptation of the C5-C6-C7 brachial plexus roots in traumatic tangential spine lesions. Personal technique
T. Stamate, G Mazul, M Stamate, M. Tosa (Romania)

12:50 h Discussions

11:00-14.00 - TERRAZA A

**SYMPOSIUM 7**

**EMTRA**

**EMTRA Round table: Advanced Teaching in Microsurgery: Towards a European Approach**

**Chairman:**
J Masa (Spain),
F Demirkam (Turkey)

11:00 h AEM Educational program
R. Vega

11:07 h The teaching of the anatomical dissection in reconstructive microsurgery
M. Lluisa (Spain)

11:14 h New simulation model for Microsurgical Training
K. Basanoglu (Turkey)

11:21 h The educational program of the Italian Society for Microsurgery
P. Tso (Italy)
**Scientific Programme - Thursday, April 3rd**

11:28 h  Turkish Society’s experience with a mobile course set up  
F. Demirkan (Turkey)

11:35 h  European school of reconstructive microsurgery  
J. Masia (Spain)

Chairman: S. Myers (UK), P. Tos (Italy)

**Skill evaluation methods in simulation microsurgery teaching and new technology**

11:49 h  The role of living-models in microsurgery training in context of the three Rs  
A.M. Ghane, R. Magada-NyakauRu, U. Uzad, Y. Al Omran, S. Cozzolino, S. Myers (UK)

11:55 h  Microsurgery skill retention - implications for continuous professional development and revalidation  
R. Magada-NyakauRu, A.M. Ghane, G. Malzone, S.R. Myers (UK)

12:01 h  The use of global rating scale to evaluate multi-centre 5-day basic microsurgery course  
G. Malzone, A. Ghane, A. Kim, S. Ramachandran, F. Demirkan, S. Myers (UK)

12:07 h  Evolution of hand motion analysis systems as an objective methods for microsurgery skills assessment  
S. Myers, M. Singh, A. Ghane (UK)

12:13 h  Anastomosis lapsed index (ALI): a validated and product assessment tool in simulated microsurgery training  
A.M. Ghane, B. Shatta, Y. Al Omran, A. Kim, M. Singh, S. Myers (UK)

12:19 h  Assessment of microvascular surgery in plastic surgical trainees using the global rating scale, the Singapore experience  
S. Ramachandran, T. Ben, K. Kim, F. Chee Lim

12:25 h  Evaluation of a microsurgical skills workshop for nurses  
M. Satho, S. Sechachalm (Singapore), P. Ling Tan

Chairman: R. Vega, MC Calles Vazquez

**Models in teaching microsurgery and new technologies**

12:31 h  Simulhand: artificial hand intended for microsurgical anastomoses training in digital replantations  
A. Ballestin Rodriguez, Calles Vazquez MC, Abellan Rubio E, Sanchez Margallo FM, Perez Merino EM, Uson Gargallo J (Spain)

12:37 h  Establishing a comprehensive program in microsurgical training – the advanced course of the Italian Society for Microsurgery  
P. Tos, Ignazio Marcocci, Alessia Pagnotta, Santolo Cozzolino (Italy)

12:43 h  Microsurgical training model of the Jesus Uson minimally invasive surgery center  
Calles Vazquez MC, Abellan Rubio E, Ballestin Rodriguez A, Sanchez Margallo FM, Uson Gargallo J

12:49 h  Head Mounted video camera 2013 patent pending  
N.RM2013A000601 registered on 31/70/2013  

12:55 h  New model of microsurgical training: femoral graft anastomosis graft-aorta-renal artery  
Gómez Trillos Miguel Alejandro, Munoz Diego Mauricio, Pi Foguera Joan

Chairman: S. Geuna, L Jiga

**Research in Microsurgery session**

13:01 h  Proposal for a EU-funded COST Action on Innovative Microsurgical Research and Training  
S. Geuna (Italy), M Ionac (Romania)

13:08 h  Microsurgical models of organ transplantation. (Still) bridging the bench to the bedside  
L. Jiga (Germany)

13:15 h  The effect of C1 esterase inhibition on ischemic treperfusion injury in rat epigastric skin flaps: preliminary results  
I. Masa Jurado, A. Ballestin Rodriguez, C. Calles Vazquez, VS Velasco, VS Turron, C. Casado Sanchez

13:22 h  Cefalic perfusion aorto iliac “Y” autograft Microsurgery techniques training in the rat  
D. Mauricio Munoz, M. Angel Gomez, J. Jose Montenegro, J. Pi Foguera

13:29 h  Experimental protocol for the study and standardization of post surgical epi perineural scar in mouse  
A. Crosse, M. Cherelino, M. Izzo, L. Valdatta, S. Geuna, Perugia Tos

13:36 h  The V-plasty: A new microsurgical technique to anastomose vessels with marked size discrepancy  
J. Bakhac, H. Janik, N. Papazian, J. Baroud (Lebanon)

Chairman: G. Halllock (USA)

**Introduction:** A. Georgescu (Romania)

**Lecture:** From traditional flaps to perforator flaps

Chairman: P. Ramonzi (Italy)

**Conference 2**

**Introduction:** A. Gilbert (France)

**Lecture:** Strategy in late presentation in brachial plexus

10:00 - 10:30 - GRAN SALON

10:30 - 10:45 - CONFERENCE 1**

**Introduction:** A. Georgescu (Romania)

**Lecture:** From traditional flaps to perforator flaps

11:30-14:00 - GRAN SALÓN

13:30-14:00 - PARRILLA

**Conference 2**

**Introduction:** P. Ramonzi (Italy)

**Lecture:** Strategy in late presentation in brachial plexus
### SYMPOSIUM 8  
**BREAST RECONSTRUCTION 1**  
**Chairman:**  
- S. Tunçer (Turkey)  
- J. Fontdevila (Spain)

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<td>15:30</td>
<td>Partial breast defects reconstruction: flaps vs fat grafts</td>
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<td>15:40</td>
<td>Partial breast defects reconstruction with TDAP flaps</td>
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<td>15:50</td>
<td>Autologous breast reconstruction: DIEP flaps vs fat grafts assisted flaps</td>
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<td>Breast reconstruction with PAP flaps</td>
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<td>Breast reconstruction</td>
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<td>Preoperative vascular mapping in DIEP flap breast reconstruction</td>
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<td>Outcome of medial row perforator based DIEP flap for unilateral breast</td>
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<td>Free autologous flaps for breast reconstruction</td>
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<td>Discussions</td>
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### SYMPOSIUM 9  
**LOWER LIMB RECONSTRUCTION 1**  
**Chairman:**  
- P. Tos (Italy)  
- A. Rıza Erdoğan (Turkey)

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<td>Functional analysis for the foot reconstruction</td>
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<td>15:40</td>
<td>Propeller flaps in lower limb reconstruction</td>
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<td>15:50</td>
<td>Composite free flaps for the ankle and foot reconstruction</td>
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<td>16:00</td>
<td>My strategy in microsurgical foot reconstruction</td>
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<td>Long follow up foot results after toe to hand transfer</td>
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<td>16:20</td>
<td>Present review and surgical considerations for lower leg reconstruction</td>
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<td>16:30</td>
<td>Microsurgical approach in open tibial fractures</td>
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<td>16:40</td>
<td>Thinned inervated perforator flaps in hand reconstruction. Aesthetic and</td>
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<td>functional evaluation</td>
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<td>16:50</td>
<td>Versatility of the perforator based adipose, adipofascial and</td>
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<td>fasciocutaneous flaps in reconstruction of the distal leg and foot defects</td>
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<td>17:00</td>
<td>Metacarpal island propeller perforator flaps for fingers and</td>
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<td>comminutive defects reconstruction</td>
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### SESSION 2  
**PERFORATOR FLAPS**  
**Chairman:**  
- L. Jiga (Germany)  
- G. Hallock (USA)

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<td>Assessment of tissue perfusion and effect of liposuction on</td>
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<td>Reconstruction of the irregular shape defects using the free foliolicate</td>
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<td>Reconstruction of distal limb defects with the free</td>
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<td>medial sural artery perforator flap</td>
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<td>Reconstruction of distal limb defects with multiple</td>
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<td>individualized free perforator flaps</td>
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<td>15:55</td>
<td>Multidimensional use of pedicled gluteal artery</td>
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<td>perforator flaps for perianal and gluteal regions</td>
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<td>16:00</td>
<td>Syndactylization-desyndactylization method in the hand in addition to</td>
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<td>medial sural artery perforator flap applications</td>
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<td>16:05</td>
<td>Thinned neurovascular perforator flaps in hand</td>
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<td>16:10</td>
<td>Versatility of the perforator based adipose, adipofascial and</td>
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<td>fasciocutaneous flaps in reconstruction of the distal leg and foot defects</td>
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<td>Comminutive defects reconstruction</td>
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<td>Metacarpal island propeller perforator flaps for fingers and</td>
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<td>comminutive defects reconstruction</td>
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</tbody>
</table>
16:15 h Limb salvage of Gustilo type fracture with composite anterolateral thigh perforator flap in primary surgery
Jiaodong Pan, Wang Xin, Huang Yao-feng, Zhou Dan-ya, Hu Rui-bing, Yang Ke-yue, Chen Hong, Zhang Wei-wen (China)

16:20 h Transplanting free descending genicular artery perforator flap for vessel flow-through in linking with other free flaps
Zhu Feng, Wang Xin, Cheng Hong, Hu Hao-ling, Zhang Jian (China)

16:25 h Skin defect of the finger repaired with the free flap accompanying with tendon which pedicled on the palmar branch of the supracarpal perforator of ulnar artery
Qi Jian-wu (China)

16:30 h Propeller flaps in hand reconstruction
F. Andreescu, A. Georgescu (Romania)

16:35 h Repair of soft tissue defects in finger with bilobed digital artery perforator flap
D. I. Dumitrescu, A. Georgescu (Romania)

16:40 h Mapping of perforator vessels by color doppler ultrasonography for elbow region reconstruction by local/regional flaps
I. Capota, B. Chirou, S. Barcan, I. Matei, A. Georgescu (Romania)

16:45 h Lateral thoracic perforator flap
J. T. Kim (Korea)

16:50 h Discussions

17:00-17:30 COFFEE BREAK

17:30-19:30 - GRAN SALÓN

SYMPHOSIUM 10
TOE TO HAND
Chairman: F. Valenti (France)
J. Clifton (Mexico)

17:30 h Finger tip reconstruction
Ph. Valenti (France)

17:40 h Toe to hand in emergency
Al. Georgescu (Romania)

17:50 h 20 year experience with toe to hand
J. Clifton (Mexico)

18:00 h Reconstruction with Morrison technique
R. Cosentino (Argentina)

18:10 h Second toe to hand transfer
A. Koul (India)

18:20 h Onicho-osteo-cutaneous defects of the thumb reconstructed by partial hallux transfer
F. Pinal (Spain)

18:30 h Toe transfers for traumatic hand injuries
N. Jones (USA)

18:40 h The role of the toe in the reconstruction of the hand
L. B. Hui (Singapore)

18:50 h Toe to hand transfers
R. Reynoso (Mexico)

19:00 h Cortical integration of the free transferred toes in post-traumatic hand reconstruction
T. Stamate, A.R. Beleuca, G. Mazliu, M. Stamate, I. Topa (Romania)

19:10 h Unfavorable results of thumb reconstruction
S. Kumta, S. Warrier, S. Purushott (India)

19:20 h Discussions

17:30-19.30 - PARRILLA

SYMPHOSIUM 11
HEAD AND NECK 1
Chairman: Y. Demirtaş (Turkey)

17:30 h Modern indications and complications in reconstructive microsurgery of the oropharynx, tongue and hipopharynx
Jose Luis Lorente (Spain)

17:40 h Functional implications of the complex defects in the middle third of the face. Microsurgical solutions and complications
J. R. Castello (Spain)

17:50 h My strategy in Head & Neck Reconstruction
Ferit Demirkan (Turkey)

18:00 h Head & Neck Reconstruction
Yener Demirtaş (Turkey)

18:10 h Change of concept in head and neck reconstruction
J. T. Kim (Korea)

18:20 h Intraoral reconstruction with “thinned” peroneal artery perforator flaps: an alternative to classic donor areas in comorbid patients
AA. Maldonado; A. Eredo; Tahsin T.O. Acartürk (USA)

18:27 h CT angiographic study of the proximal leg perforal perforator, and its application in the design of chimeric flaps for complex oromandibular defects
G. Boning; S. Rudge; B. Akbey; A. Patatayev

18:34 h Indications for 2nd flap along with free fibular osteocutaneous flap (FFOCF) in reconstruction of extensive composite oromandibular defect, study of 1000 cases from 2005 to 2013
P. Yadav; V.K. Shrikanth; D. Jairaj; R. Solanki

18:41 h Primary reconstruction of extended midface defects
Liliana Silva, S. Cunha, H. Freitas, M. Salgueiro, S. Pires, T. Teixeira, M. Caniera (Portugal)

18:48 h Free flap reconstruction of complex oromandibular defects
L.R. Silva, S. Cunha, E. Matos, M. Henriques, M. Caniera (Portugal)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Authors/Institution</th>
</tr>
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<tbody>
<tr>
<td>18:55</td>
<td>Reconstruction of lower lip with innervated serratus anterior muscle flap</td>
<td>AO. Gunderslugl, AO. Gundelolu, DEM. Öz, L. Jashvili, N. Selimo, F. Gine, B. Yenüen, M. Berekerecocogl (Turkey)</td>
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<tr>
<td>19:02</td>
<td>Free vastus lateralis muscle and musculocutaneous flaps: an versatile alternative to other musculocutaneous or muscle flaps in complex and complicated defects</td>
<td>T.O. Acarburg (USA)</td>
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<td>19:09</td>
<td>The superolateral thigh flap: a reliable skin flap based on the terminal cutaneous branch of the ascending branch of the lateral circumflex femoral artery. Cadaver and computed tomography angiography studies with a clinical series</td>
<td>MR. Vegas (Spain)</td>
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<tr>
<td>19:16</td>
<td>Microsurgical reconstruction for severe dento-alveolar deficiency in the mandible and maxilla</td>
<td>SM. Kumta, D. Desphande, S. Purhout (India)</td>
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<td>19:23</td>
<td>Discussions</td>
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<td>17:30 - 19:30</td>
<td><strong>SESSION 3</strong> <strong>UPPER LIMB RECONSTRUCTION</strong></td>
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<tr>
<td>17:30</td>
<td>Reconstruction of multiple metacarpals using free serratus with vascularised ribs in soldiers following high energy explosive injuries</td>
<td>M. Davis, G. Tuley (UK)</td>
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<tr>
<td>17:37</td>
<td>Transfer of the fifth finger to replace an amputated thumb: a preliminary study</td>
<td>B. Ince, AO. Gunderslugl, AE. Ccekobag, M. Dadaci, I. Inan, M. Buyukmueceze (Turkey)</td>
</tr>
<tr>
<td>17:44</td>
<td>Repair of middle and distal finger skin and soft tissue defect with dorsal metacarpal artery reversed island flap</td>
<td>W. Yang-Jian; L. Xue-Yuan; W. Peng (China)</td>
</tr>
<tr>
<td>17:51</td>
<td>Clinical analysis of reconstruction of opponent pollicis with extensor index digitii translocation</td>
<td>Z. Xiao-Ing; L. Xue-Yuan; L. Lin-Hua; S. Tao; F. Jian-Rong; C. Hong (China)</td>
</tr>
<tr>
<td>17:58</td>
<td>Reconstruction of the hand soft tissue defects with the free proximal posterior interosseous artery perforator flaps</td>
<td>X. Wang; J. Pan; H. Cheng; H. Hu; S. Wang; K. Wang; W. Zhang (China)</td>
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<td>18:05</td>
<td>Treatment of complex hand injuries using the dorsal ulnar artery perforator flap</td>
<td>H. Gotani; Y. Yamano; K. Yano; K. Sasaki; M. Miyashita; Y. Tanaka (Japan)</td>
</tr>
<tr>
<td>18:12</td>
<td>Operative treatment of complex hand injuries using microsurgery and external fixator</td>
<td>H. Gotani; Y. Yamano; K. Yano; K. Sasaki; M. Miyashita; Y. Tanaka (Japan)</td>
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<tr>
<td>18:19</td>
<td>Treatment of complex hand injuries using the dorsal ulnar artery perforator flap</td>
<td>H. Gotani; Y. Yamano; K. Sasaki; M. Miyashita; Y. Tanaka (Japan)</td>
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<td>18:26</td>
<td>Preserving the recipient artery and vein: end-to-side microvascular vessel anastomosis for perforator flap in hand soft tissue reconstruction</td>
<td>L. Xue-Yuan; W. Xin, C. Wei-Wei; W. Yang-Jian; C. Hong (China)</td>
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<tr>
<td>18:34</td>
<td>Reconstruction of the shoulder region using a pedicled lattissimus dorsi flap following soft tissue sarcoma resection</td>
<td>J.S. Kim; JS. Lee; JO. Yoon; HY. Park (Korea)</td>
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<tr>
<td>18:41</td>
<td>Sarcoma in the forearm and hand: clinical outcomes of 26 cases and microsurgical reconstruction for limb salvage</td>
<td>K. Yoshida; K. Muramatsu; Y. Tominaga; R. Inamaga; T. Taguchi (Japan)</td>
</tr>
<tr>
<td>18:48</td>
<td>Two stage flexor tendon reconstruction</td>
<td>G. Zaher; R. Gohar; A. El-Sebae (Egypt)</td>
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<tr>
<td>18:55</td>
<td>Discussions</td>
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**SESSION 4** **OPENING CEREMONY AND WELCOME COCKTAIL**
07:30-08:30 - GRAN SALÓN

**IC 3**

**Up to Date in Facial Palsy Reconstruction**  
**Chairman and Speaker:** M. Frey (Austria)  
Microsurgical reanimation of the paralyzed face

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07:30-08:30 - PARRILLA

**IC 4**

**Avascular Necrosis of the Femoral Head**  
**Chairman:** S. Toh (Japan), Mohammed El May (Egypt)  
**Speakers:**  
T. Yamamoto, Y. Iwamoto (Japan)  
H. Hirata, A. Morita (Japan)  
The rationale and results of transtrochanteric rotational osteotomy for osteonecrosis of the femoral head  
Y. Nakamura, S. Toh, Y. Ishibashi (Japan)  
Vascularized scapular bone graft for osteonecrosis of the femoral head  
Mohammed El May (Egypt)  
Vascularized bone grafts for the management of avascular necrosis of the femoral head

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07:30-08:30 - TERRAZA A

**IC 5**

**Up to Date in Upper Limb Free Flaps Reconstruction**  
**Chairman:** C. Puente (Spain), J. Estrada (Spain)  
**Speakers:**  
C. Puente  
J. Puente  
Introduction to the upper limb reconstruction  
C. Higueras  
Aesthetic reconstruction in upper limb  
J. Estrada  
Perforator flaps in upper limb  
R. Reynoso  
Free flaps in upper limb reconstruction . Burned hand

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08:30-10.30 - GRAN SALÓN

**SYMPOSIUM 12**

**LOWER LIMB RECONSTRUCTION 2**  
**Chairman:** K. Bacakoglu (Turkey)  
C. Vlastou (Greece)

**08:30 h**  
Foot reconstruction  
AR. Ercümen (Turkey)

**08:40 h**  
Treatment strategy of below knee amputation or Gustillo-Anderson type III C open  
F. Parmaksizoglu (Turkey)

**08:50 h**  
C. Unal: How to solve recipient vessel problems in difficult lower  
Cezem Unal (Turkey)

**09:00 h**  
My strategy in free flaps lower limb reconstruction  
R. Sadavarty (India)

**09:10 h**  
Microsurgical reconstruction in lower extremity and foot  
E. Vlastou (Greece)

**09:20 h**  
Versatility of fibula flap  
E. Lykoudis (Greece)

**09:30 h**  
Foot and ankle reconstruction  
D. Schaffer (Switzerland)

**09:40 h**  
Electrical burns: Microsurgical reconstruction in lower limb  
MV. Bazzalee (Mexico)

**09:50 h**  
Free flap for lower limb reconstruction  
Miguel Monch (Switzerland)

**10:00 h**  
Management strategies in foot reconstruction: Technical pearls  
R. Nehete, A. Kulkarni (India)

**10:10 h**  
Orthoplastic reconstruction after lower limb major amputation  
E. Tuukkanen (Finland)

**10:10 h**  
Discussions

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08:30-10.30 - PARRILLA

**SYMPOSIUM 13**

**BREAST RECONSTRUCTION 2**  
**Chairman:** J. Masa (Spain)  
J. Estrada (Spain)

**08:30 h**  
TMG for breast reconstruction: limits and indications  
T. Schellinger (Germany)

**08:42 h**  
How to avoid problems in DIEP flap reconstruction  
R. Ciprian (Italy)

**08:54 h**  
Reliability of the SIEA flap  
G. Pons (Spain)

**09:06 h**  
Flap choice in breast reconstruction from the lower abdomen  
B. Özilen (Turkey)

**09:18 h**  
The prevalence of abnormal coagulation tests in patients undergoing abdominal based free flap surgery for breast reconstruction – an audit based practice recommendation  
W. Chow, AM. Ghanem, E. Theodorakopoulou, M. Griffiths, V. Ramakrishnan (UK)
12:00-13:30 - PARRILLA

**SYMPOSIUM 15**

**OBSTETRICAL 1**

**Chairman:** A. Gilbert (France)
A. Muset (Spain)

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<tr>
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<th>Topic</th>
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<tr>
<td>11:00 h</td>
<td>Hand classification&lt;br&gt;P. Ramondi (Italy)</td>
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<td>11:10 h</td>
<td>Classification and hand 3&lt;br&gt;A. Muset (Spain)</td>
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<tr>
<td>11:20 h</td>
<td>Results in hand&lt;br&gt;A. Gilbert (France)</td>
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<tr>
<td>11:30 h</td>
<td>Results in hand&lt;br&gt;J. Bamm (Netherlands)</td>
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<td>11:40 h</td>
<td>Contralateral C7 strategy and results&lt;br&gt;T. El Gamal (Egypt)</td>
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<td>11:50 h</td>
<td>Discussions</td>
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**12:30-13:30 - GRAN SALÓN**

**SESSION 4**

**BALISTICS**

**Chairman:** J. Kozarski (Serbia)
A. Nascimento

<table>
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<th>Time</th>
<th>Topic</th>
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<tr>
<td>12:30 h</td>
<td>Hunting guns and city or war weapons injuries, assessment, management, 59 cases&lt;br&gt;l. Ignatov; E. Daskalakis; K. Tsirgos; P. Samsonas; A. Papalos (Greece)</td>
</tr>
<tr>
<td>12:36 h</td>
<td>Blast injuries by explosive materials and fireworks, comparison with gunshot injuries&lt;br&gt;I. Ignatov; P. Samsonas; E. Daskalakis; K. Tsirgos (Greece)</td>
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<tr>
<td>12:42 h</td>
<td>Microsurgical reconstruction of the head and neck&lt;br&gt;Kozarski J; Djordjevic B; Ostovic N (Serbia)</td>
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<td>12:48 h</td>
<td>Free flaps in the treatment of burned patients&lt;br&gt;B. Djordjevic; Kozarski J; Ostovic N (Serbia)</td>
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<tr>
<td>12:54 h</td>
<td>Microsurgical reconstruction of mandibular war wounds&lt;br&gt;B. Djordjevic; Kozarski J; Ostovic N (Serbia)</td>
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<tr>
<td>13:00 h</td>
<td>Treatment of complex war wounds wit free flaps and the method of Ilizarov&lt;br&gt;Ostovic N; Kozarski J; Kosutic M.; Bojovic Djordjevic (Serbia)</td>
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<td>13:06 h</td>
<td>Gunshot injury of a forearm and radius-stage reconstruction&lt;br&gt;Z. Daljan; C. Malios (Greece)</td>
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**12:00 h** Evaluation and early management in shoulder dysfunction in OBP patients<br>W. de Pavukowski (Peru)

12:12 h Strategies to treat medial rotation contracture of the shoulder<br>J. Bamm (Belgium)

12:24 h Selective external rotation neurotization<br>A. Mutatona (Spain)

12:36 h Extraplexual neurotization in C5 – C7 obstetrical brachial plexus palsy<br>J. Clifton (Mexico)

12:48 h Late reconstruction in obstetrical upper plexus lesions<br>F. Seres (Italy)

13:00 h Unusual presentation of obstetric brachial plexus palsy<br>HH. Noaman (Egypt)

13:12 h Discussions
13:12 h  Gunshot injury of a thigh with femur and inguinal nerve lesions - stage reconstruction  
I. Ignatiadis; V. Polyzois (Greece)

13:18 h  Discussions

11:00-12:30 - GRAN SALÓN

SESSION 5

BONE RECONSTRUCTION

Chairman: M.R. Vegas (Spain)
H. Gotani (Japan)

11:00 h  Gastrocnemius-fibular flap. A new pedicled vascularized bone graft alternative for femur pseudarthrosis. Review of 7 consecutive clinical cases.  
LR. Torres; F. Bogdanovics Paganetti, G. Pelosini, J. Queriga, L. Neto, M. Rosa de Rezende (Brazil)

11:07 h  Treatment of avascular necrosis of the femoral head with a vascularized scapular bone graft  
H. Hirata; A. Morita; K. Fujisawa (Japan)

11:14 h  Extracorporeally-irradiated autograft for the reconstruction of massive bone and joint defects after resection of malignant tumor: the new technique to reduce the rate of complication  
R. Iwanga; K. Muramatsu (Japan)

11:21 h  Surgical correction of clawtoe deformity following harvesting of vascularized fibula graft  
Y. Tomiaga; K. Muramatsu; K. Iiwa; T. Hashimoto; S. Shinozochi; T. Taguchi (Japan)

11:28 h  Large bone defects reconstruction with vascularized peroneum  
G. Martinez Villen

11:35 h  Vascularized bone graft from the distal radial metaphysis for carpal reconstruction  
G. Martinez Villen

11:42 h  Use of a medial femoral epicondyle vascularized bone graft in the treatment of pseudarthrosis of limb bones  
I. Golubev, R. Yulov, M. Merkulov, O. Bushuev, G. Spreeva, I. Kutepov, A. Maximov, V. Gromov (Russian Federation)

11:49 h  Tips and tricks for a successful bone reconstruction with the corticoperiosteal/periosteal flap from the medial femoral condyle  
M.R. Vegas (Spain)

11:56 h  Treatment of scaphoid nonunion by vascularized bone flap pedicled on 1, 2 ICSRA from the dorsum of the distal radius  
Jadong Pan, Xin Wang, Hong Chen, Rubing Hu, Kejie Yang, Danna Zhou (China)

12:03 h  Vascularized bone graft based on the volar carpal artery for the treatment of scaphoid pseudoarthrosis.  
H. Gotani, Y. Yamano, K. Sagaki, K. Yan, Y. Tanaka, M. Miyashita (Japan)

12:10 h  Discussions

12:30-13.30 - TERRAZA A

SYMPOSIUM 17

OFACIAL PALSY

Chairman: M. Frey (Austria)
JM Lasso (Spain)

12:30 h  Cross-face nerve grafting for functional upgrading and for control of synkineses and spasm  
M. Frey (Austria)

12:42 h  Facial nerve decompression in children  
S. Cardelli (...

12:54 h  Facial reanimation in children  
W. De Pavulovski (Peru)

13:06 h  Free functional muscular transfers in facial nerve palsy  
JM Lasso (Spain)

13:18 h  Masseter-to-facial nerve transfer in facial palsy  
M. Salgueiro; T. Toscano; M. Caniera (Portugal)

13:23 h  Discussions

13.30-14.00 - GRAN SALÓN

CONFERENCE 3

Introduction: A. Muset (Spain)
Lecture: R. Consentino (Argentina)
Free flaps history: Our personal experience

13.30-14.00 - PARRILLA

CONFERENCE 4

Introduction: A. Georgescu (Romania)
Lecture: N. Jones (USA)
Microsurgery in pediatrics

14.00-15.30 - GRAN SALÓN-PARRILLA

LUNCH

14.00-15.30 - TERRAZA A

EFSM COUNCIL MEETING

15.30-16.30 - TERRAZA A

EMTRA General Assembly
15:30-17.00 - GRAN SALÓN

SYMPOSIUM 18
FREE FUNCTIONAL MUSCLE TRANSFERS
CHAIRMAN: M. STEVANOVIC (USA)
Y. KUN TU (TAIWAN)

15:30 h  Functional free muscle transfers in upper extremity reconstruction
M. STEVANOVIC (USA)

15:42 h  Contiguous (Double) Muscle Transfer procedure restoration of Elbow Flexion in Brachial Plexus Injuries: Technical Aspects and Results
A. GUPTA (INDIA)

15:54 h  Results of FFMT in triple FFMT for BP, FFMT + CC7 for CC7 for BP, and maybe
Y. KU (TAIWAN)

16:04 h  Free Functional Muscle Transfers indications in Obstetrical Brachial Plexus
A. MUSET (SPAIN)

16:14 h  Free Functional Muscle Transfers in Obstetrical Brachial Plexus results
T. EL GAMAL (EGYPT)

16:24 h  Muscle Re-education following free muscle transfers using EMG Biofeedback technique
S.J. CHINCHALKAR (CANADA)

16:34 h  Results of dynamic functional abdominal wall + perineal and perianal reconstruction + fecal / urinary incontinence
A. GUPTA (INDIA)

16:44 h  Functional neuro-vascularized muscle transfer for oncological reconstruction of extremity sarcoma
K. MURAMATSU; R. HIROOMI; K. YOSHIDA; Y. TOMINAGA (JAPAN)

16:50 h  Thoracodorsal vessels as recipient for gracilis free functional muscle transfer after neurologic surgery of brachial plexus without elbow flexion recover. Report of 2 clinical cases
L.R. TORRES; FM. SUJUKI; RG. PAULOS; DT. SIMAO; LK. KIMURA; R. MATTAR JR (BRAZIL)

16:56 h  Discussions

15.30-17.00 - PARRILLA

SYMPOSIUM 19
CONGENITAL
CHAIRMAN: A. GILBERT (FRANCE)

15:30 h  Introduction
A. GILBERT (FRANCE)

15:45 h  Toe transfers for finger aplasia
PH. VALENTI (FRANCE)

15:57 h  Growth transfer for radial club hand
S. VULIKI (FINLAND)

16:09 h  Foot for thumb hypoplasia
W. L. TSE (HONG KONG)

16:21 h  Congenital pseudarthrosis
A. LOVIC (SPAIN)

16:33 h  Toe transfer for congenital hand anomalies
N. JONES (USA)

16:45 h  Discussions

17.00-19.30 - GRAN SALÓN

SYMPOSIUM 20
ADVANCES IN PERFORATOR FLAPS
CHAIRMAN: A. GEORGESECU (ROMANIA)
JP HONG (KOREA)

17:00 h  Perforator flaps nomenclature
G. HALLOCK (USA)

17:12 h  Vascular anatomy of perforator flaps
M. SANT-CYN (USA)

17:24 h  The pig as ideal tool for mastering perforator flap dissection in living tissue
L. JEA (GERMANY)

17:36 h  Perforator flaps for head and neck reconstruction
S. MAHRU (USA)

17:48 h  Perforator flaps for breast reconstruction
S. AYHAN (TURKEY)

18:00 h  Perforator flaps for upper limb reconstruction
A. GEORGESECU (ROMANIA)

18:12 h  Local fascial perforator flaps for hand and wrist reconstruction
I. IGNAVIAS (GREECE)

18:24 h  Perforator flaps for lower limb reconstruction
JP. HONG (KOREA)

18:36 h  Maximizing form and function with perforator flaps in surgical management of acral melanoma
G. MUN (KOREA)

18:48 h  Free style perforator flaps
U. KNEISSER (GERMANY)

19:00 h  Management of acute failures in head and neck reconstruction
F. DEMIRKAN (TURKEY)

19:12 h  Pitfalls and trouble shooting in perforator flap
JT. KIM (KOREA)
19:24 h Discussions

17.00-19.00 - PARRILLA

SYMPOSIUM 21
LYMPHEDEMA

CHAIRMAN: G. Pons
L. Jiga (Germany)

17.00 h Lymph node transfer
G. Pont (Spain)

17.10 h Autologous lymph vessel transplantation
G. Felmerer (Germany)

17.20 h Microsurgery in lymphedema treatment
C. Campisi (Italy)

17.30 h Microsurgical approach in lymphedema treatment in Belgium
G. Giacalone (Belgium)

17.40 h Combined surgical treatment for lymphedema
J. Maga (Spain)

17.50 h Microlymphatic surgery
Y. Demirtaş (Turkey)

18.00 h Supraclavicular lymph node transfer
P. Cruz (Peru)

18.10 h Supraclavicular ganglionar flap and LVA for congenital lymphedema in lower limbs
JL. Mendoza (Mexico)

18.20 h Hilar vessels of the submandibular and upper jugular neck lymph nodes — cadaver and clinical study for vascularized lymph node transfer to lower extremity lymphedema
P. Tan; K-C. Tan; B-K. Tan (Singapore)

18:30 h The use of a dermal regeneration template for total subcutaneous excision of lymphedema
A. Stintar; M. Solinc (Slovenia)

18:36 h MR-lymphography: technique, indications and results
A. Alonso-Burgos; E. García Tutor; T. Pérez de la Fuente,
C. Carcizo Herrero; J. Urbano García,
M. Herrera González; A. Franco López

18.42 h Discussions

19.00-20.00 - TERRAZA A
AEM General Assembly

21.00
GALA DINNER
07.30-09.00 - TERRAZA A

IC 6

Perforator Flaps: How I do it?
Chairman: A. Georgescu (Romania), S. Mardini (USA)
Speakers:
G. Hallock (USA)

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Speakers:
G. Hallock (USA)

Chimeric perforator flaps
A. Georgescu (Romania)
Propeller perforator flaps
M. Sant-Cyr (USA)

DIEP flap
S. Mardini (USA)

ALT flap
S. Hwang (Korea)

SCIP flap
J. T. Kim (Korea)

TAP flap

08.00-10.00 - GRAN SALÓN

SYMPOSIUM 22

UPPER EXTREMITY RECONSTRUCTION
Chairman: B. Battiston (Italy)
R. Nehete (India)

08:00 h Complex tissue transplantation from foot for hand reconstruction
I. Kaplan (Turkey)

08:10 h Hand and Upper Extremity Reconstruction
M. Alp (Turkey)

08:20 h Oncologic bone reconstruction in upper extremity
C. Tetik (Turkey)

08:30 h Vascularized bone flaps distal radius
T. Ozen (Turkey)

08:40 h My strategy in free flaps for upper limb reconstruction
R. Nehete (India)

08:50 h Digital flaps
J. Cisentini (Argentina)

09:00 h My strategy in free flaps for upper limb reconstruction
R. Sabapathy (India)

09:10 h Posterior interosseous flap
X. Xiang (Greece)

09:20 h My experience in limb reconstructions
E. Choisy (Canada)

09:30 h Composite tissue allotransplantation
Omer Ozturan (Turkey)

09:40 h Further paradigm shifting for the better functional and aesthetic results
M. Shibata (Japan)

09:50 h Discussions

08.00-10.00 - PARRILLA

SYMPOSIUM 23

HEAD AND NECK 2
Chairman: M. Topalan (Turkey)
A. Gupta (India)

08:00 h Complex injury of the scalp. Microsurgical solutions
J.M. Lado (Spain)

08:24 h Functional lip reconstruction with gracilis flap
K. Coskunfirat (Turkey)

08:36 h Face and Mandibule Reconstruction
M. Topalan (Turkey)

08:48 h Oesophagus Reconstruction
O. Ozkan (Turkey)

09:00 h Mandibular and maxillary reconstruction
E. Lyroudis (Greece)

09:12 h Mandibular reconstruction using free fibula flap experience
K. Haddane; T.E. Abdelrahman (Egypt)

09:24 h 30 years follow up of tubed latissimus dorsi island flap and free jejunal graft for cervical and thoracic oesophagus reconstruction
A. Gupta (India)

09:36 h Multidisciplinary pathway approach to head and neck reconstruction
A. Ogulu (Canada)

09:48 h Discussions

10.00-10.30

COFFEE BREAK

10.30-11.00 - GRAN SALÓN

CONFERENCE 5
Introduction: P. Tos (Italy)
Lecture: R. Sabapathy (India)

Two decades of Salvage of Complex Limb Injuries
Lessons learnt

10.30-11.00 - PARRILLA

CONFERENCE 6
Introduction: B. Battiston (Italy)
Lecture: M. Stevanovic (USA)

Management of long bone defects with free vascularized fibula bone graft
11.00-13.30 - GRAN SALÓN

**SYMPOSIUM 24**

**REPLANTATION**

**CHAIRMAN:** R. SabaPathy (India)
S. Fernandez

11:00 h Bilateral shoulder level replantation in child
A. kouli (India)

11:10 h Reconstruction of devastating lesions in children and macroleplantations
R. SabaPathy (India)

11:20 h Orthopedic reconstruction after lower limb major amputation, and of course change all the hours that follow
E. TukiaInen

11:20 h Transmetacarpal replantations
PI FolGeRa (Spain)

11:30 h Distal long fingers replantations
S. Fernandez (Spain)

11:40 h Thumb replantation
B. Battriston (Italy)

12:00 h Microsurgical tricks for time shortening in replantation
T. Stamate (Romania)

12:10 h Ring finger reconstruction
F. Merivelle (Argentina)

12:20 h A clinical study and classification of distal fingers replantation of 2230 cases
Z. Daiwa; Z. Weiwei; W. Xin (China)

12:28 h Functional replantation of finger
Y. Yamada; Kuriyama; Sashima (Japan)

12:36 h Finger replantation, good and bad results
HH. Neumann (Egypt)

12:44 h Application of temporary vascular shunting by infusion rubber tubing for salvage of the major vessel injuries in limbs
C. Wei-wei; L. Xue-yuan (China)

12:52 h Digit replantation of eight years experience: demographic characteristics and outcomes
M. Okcu, K. Gursoy, K. Ozer, OC. Aslan, Y. Kankaya, N. Sungur, MG. Ulusoy, U. Kocer (Turkey)

13:00 h Six years experience in crush and avulsion type finger amputation with application of vein graft
Y. Kankaya, M. Okcu, K. Gursoy, K. Ozer, OC. Aslan, A. Turan, MG. Ulusoy, U. Kocer (Turkey)

13:08 h Assessment of survival rates in reference to Tamai and Yamano classifications in a series of 23 consecutive fingertip replantations
M. Dadaci, Bilsel, Cottle, Z. Altuntas, O. Bitk, HO. Kabiroglu, U. Uzun (Turkey)

13:16 h Use of volar veins in replantation
F. Kabakas

13:24 h Fellowship training and ways of thinking and practicing in microsurgery: an investigation in the uk and usa
E. Evgeniou, M. Tsiropi, P. Dimitrads (UK)

13:32 h Discussions

11.00-13.30 - PARRILLA

**SYMPOSIUM 25**

**PERIPHERAL NERVES 2**

**CHAIRMAN:** R. Reynoso (Mexico)

11:00 h Distal sensitive neurotization
D. Garat (Argentina)

11:12 h Treatment options for nerve lesion in combined lower limb trauma
R. Bottcher (Germany)

11:24 h Nerve injuries in supracondylar fractures in children
L. Ventura (Spain)

11:36 h Direct muscle neurotizations
D. Olsera (Spain)

12:00 h Diagnostic imaging of peripheral nerve injuries of the upper extremity by USG
T. Tokos (Turkey)

12:12 h Collagen nerve conduits and stem cells for peripheral nerve gap repair
PG di Summa; PJ Kingham; C. Campos; W. Raffoul; DF Kalbermatten (Switzerland)

12:20 h Ultrasonographic evaluation of “hourglass-like fascicular constriction” and interfascicular neurolysis for the idiopathic anterior or posterior interosseous nerve palsy: a preliminary report
T. Sunagawa; Y. Nakashima (Japan); R. Shimokawa; M. Ochi

12:28 h Treatment of sensory nerve neuroma with modified end-to-side nerve repair method: a report of two cases
JS. Kim; JSk Lee; JO Yoon; HY Park (Korea)

12:36 h Jabaley epineurial splint technique versus conventional fascicular group neuroraphy in median and ulnar nerves reconstruction in the forearm: clinical results
T. Stamate; AR Budurca; M Stamate; G. Mazlu; G. Stamate; I. Topa (Romania)

12:44 h Algorithm for surgical decision in cubital nerve decompression in the elbow
R. Reynoso (Mexico)

12:52 h Evaluation of the effectiveness of biodegradable “electrosyn caprolactone” nerve conduits in peripheral nerve regenerations
M. Dadaci, N. Bolgen, E. Sonmez, B. Ince, ET. Is, E. Pekin, I. Varsei, Y. Erik (Turkey)

13:00 h Our experience in the management of war nerve lesion
G. Kadaum (Sria)

13:08 h Revers end to side nerve transfer for the partial injury of the ulna nerve. Our experience
O. Iczekierd, E. Duminescu, J. Castellanos

13:16 h Discussions

13:30-14.00

**CLOSING REMARKS**
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