



WSRM2019

10th Congress of World Society
for Reconstructive Microsurgery

12th - 15th June 2019

Palazzo della Cultura e dei Congressi
Bologna, Italy

“Ad augusta per angusta”
*“Great achievements
through narrow paths”*

PRELIMINARY PROGRAM

This is a Preliminary Program subject to further changes due to necessary timetable rescheduling.

Last update 17th May 2019

WEDNESDAY JUNE 12

ITALIA ROOM

08.00 - 13.00

Registration

13.00 - 18.00

Pre-Congress Video Workshop

EUROPA AUDITORIUM

18.30 - 20.00

Opening Ceremony and Welcome Reception

07.00	Registration							
	MAGENTA A ROOM	CIANO ROOM	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	BIANCO ROOM	VERDE ROOM	ROSSA ROOM
07.30 - 08.20	INSTRUCTIONAL COURSES							
	<p>IC01</p> <p>Bionic limb replacement <i>Stanisa Raspopovic</i> <i>Paul S. Cederna</i> <i>Max Jair Ortiz Catalán</i> <i>Gregory A. Dumanian</i></p>	<p>IC02</p> <p>Planning 3D reconstruction in craniofacial surgery <i>Matthew M. Hanasono</i> <i>Ming-Huei Cheng</i> <i>Jamie Levine</i></p>	<p>IC03</p> <p>Evolution and Revolution of Perforator Flaps <i>Jeong Tae Kim</i> <i>Youn Hwan Kim</i> <i>Sang Wha Kim</i></p>	<p>IC04</p> <p>Short gap nerve repair <i>Ignazio Marcocci</i> <i>Hitoshi Hirata</i> <i>Pierluigi Tos</i> <i>Ayato Hayashi</i> <i>Gregory H. Borschel</i></p>	<p>IC05</p> <p>Mastering CAD-CAM Technology and immediate dental rehabilitation <i>Evan Matros</i> <i>Fu-Chan Wei</i></p>	<p>IC06</p> <p>DIEP flap refinements: sensation, speedy, aesthetics <i>Aldona J. Spiegel</i> <i>Rieka Taghizadeh</i> <i>Maria Mani</i></p>		
	EUROPA AUDITORIUM							
08.30 - 08.45	<p>Congress Chairman & Scientific Committee Chairman Welcome <i>Giorgio De Santis, Marco Innocenti</i></p>							
08.45 - 09.15	<p>Presidential Lecture "Supermicro to Nanomicrosurgery for Iatrogenic Disasters" <i>Chair: Marco Innocenti</i> <i>Speaker: Isao Koshima</i></p>							
09.15 - 09.45	<p>S&T Lecture "Defining the Microsurgeon: Anatomist, Innovator, Pioneer and Leader" <i>Chair: Springler</i> <i>Speaker: L. Scott Levin</i></p>							
09.45 - 10.00	Break							
	MAGENTA A ROOM	CIANO ROOM	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	BIANCO ROOM	VERDE ROOM	ROSSA ROOM
10.00 - 10.20	K-NOTE LECTURES						FREE PAPERS	
	<p>K01 Orthoplastic Surgery Orthoplastic Surgery - Defined and Illustrated <i>L. Scott Levin</i></p>	<p>K02 Head & Neck Microsurgical nose reconstruction <i>Robert Walton</i></p>	<p>K03 Lymphoedema Lymphatic microsurgery: a life journey experience <i>Hung Chi Chen</i></p>	<p>K04 Nerves Update in brachial plexus repair <i>Anil Bhatia</i></p>	<p>K05 Hand Tip and tricks in toe-to-hand <i>Francisco del Piñal</i></p>	<p>K06 VCTA Face Critical revision of face transplant <i>Laurent Lantieri</i></p>	FP 01 Flaps	FP 02 Lower Limb
10.20 - 11.40	PANEL SESSION							
	<p>P01 Orthoplastic Surgery Conceptual background and clinical applications <i>President: L. Scott Levin</i> <i>Moderators: Hyunsuk Peter Suh, Riccardo Giunta</i></p> <ul style="list-style-type: none"> • Orthoplastic Surgery - Defined and Illustrated <i>L. Scott Levin</i> • Perforator to perforator supermicrosurgery <i>Joon Pio Hong</i> • To be defined <i>Stephen Kovach</i> • Reconstruction Vs Amputation: decision making <i>Marco Innocenti</i> • Versatility of free gracilis flap in reconstruction of the extremities <i>Riccardo Giunta</i> 	<p>P02 Head & Neck The Evolution of Microsurgical Techniques in Total and Subtotal Nasal Reconstruction <i>President: Robert Walton</i> <i>Moderators: Jong Woo Choi, Wei Wang</i></p> <ul style="list-style-type: none"> • Modified Aesthetic subunit principle in Nose reconstruction <i>Jong Woo Choi</i> • The Media Condyle Flap: a novel donor site for Nasal Reconstruction <i>Alexander Gaggl</i> • Engineered Flaps in Nasal Reconstruction <i>Julian Pribaz</i> • Super Microsurgical Nasal Reconstruction <i>TC Teo</i> • Aesthetic Refinements after Nasal Reconstruction <i>Riccardo Cipriani</i> 	<p>P03 Lymphoedema VLNT and lymphatic channel flaps: how and why they work <i>President: Hung Chi Chen</i> <i>Moderators: Isao Koshima, Joseph Dayan</i></p> <ul style="list-style-type: none"> • Future of free lymph node transfer-combining lymph nodes with growth factor therapy <i>Sinikka Suominen</i> • Lymph channel transfer for severe lymphedema against LVAs <i>Isao Koshima</i> • Various modalities of surgical treatment for lymphedema <i>Pedro Ciudad</i> • Mechanism of Vascularized Lymph Node Transfer <i>Ming Huei Cheng</i> • Lessons learned after more than 10 years performing autologous lymph node transfer for lymphedema treatment <i>Gemma Pons</i> 	<p>P04 Nerves Total and Near Total Brachial plexus Injuries- What can we expect in 2019? <i>President: Anil Bhatia</i> <i>Moderators: David Chuang, Piero Raimondi</i></p> <ul style="list-style-type: none"> • Restoration of prehension in total brachial plexus palsies - Comprehensive strategy <i>Shu Feng Wang</i> • Can a similar outcome be achieved by simpler means? <i>Zoubir Belkheyr</i> • Hand function in total palsies using a combination of nerve transfers and free muscle transfers <i>Margaret Fok</i> • Near total palsies - muscles to be reinnervated options and ideal outcomes <i>Jorge Clifton</i> • Use of phrenic nerve in total brachial plexus palsy: is it safe? <i>Nicola Felici</i> • Contralateral C7 Transfer in Total Brachial Plexus Palsy - a case series <i>Alexandru Stoian</i> 	<p>P05 Hand Microsurgical versus conventional reconstruction in unsalvageable thumb <i>President: Francisco del Piñal</i> <i>Moderators: Wayne Morrison, Hiroyuki Gotani</i></p> <ul style="list-style-type: none"> • Overview <i>Wayne Morrison</i> • Conventional techniques <i>Neil Jones</i> • Partial great toe transfer (distal thumb reconstruction, when and why?) <i>Roberto Adani</i> • Thumb reconstruction using microsurgical, pedicled and llizarov <i>Hiroyuki Gotani</i> • Unusual reconstructions <i>Samir Kumta</i> 	<p>P06 VCTA VCTA. What is the future <i>President: Laurent Lantieri</i> <i>Moderator: Samir Mardini, Maria Siemionov</i></p> <ul style="list-style-type: none"> • Face Transplantation-The Past, the Present and the Future <i>Maria Siemionov</i> • Penile Transplantation - Is It Ready For Prime Time? <i>Curtis Cetrulo</i> • Eye transplant: where are we now? <i>Vijay S. Gorantla</i> • To be defined <i>Samir Mardini</i> • Up to date in hand transplant <i>Simon Kay</i> • Hand allotransplantation: Benefit or Risk? <i>Yur-Ren Kuo</i> 		

	MAGENTA A ROOM	CIANO ROOM	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	BIANCO ROOM	VERDE ROOM	ROSSA ROOM
11.40 - 12.00	SELECTED FREE PAPERS						FREE PAPERS	
	SFP 01 Orthoplastic Surgery	SFP 02 Head & Neck	SFP 03 Lymphoedema	SFP 04 Nerves	SFP 05 Thumb Reconstruction	SFP 06 VCTA		
12.00 - 13.20	PANEL SESSION							
	<p>P07 Orthoplastic Surgery Orthoplastic concepts in ballistic injuries <i>President: Marko Bumbaširević</i> <i>Moderators: Randy Sherman, Batia Yaffe</i></p> <ul style="list-style-type: none"> • Introduction - Microsurgery And War Injuries <i>Marko Bumbaširević</i> • Early Microsurgical Approach Of Brachial Plexus Bullet Injuries <i>Joseph Bakhach</i> • Aesthetic Restoration Of The Craniofacial Region After Gunshot And Ballistic Injuries, Strategic Plan Based On 3d Printing And Microsurgery <i>Tarek Elbanoby</i> • Lower Extremity Reconstruction of Yemeni War Victims <i>Mohamed Ellabban</i> • Our Experience In The Management Of Nerve War Lesions In Syria <i>Ghassan Kaadan</i> • War And Terror Injuries To The Upper Extremity <i>Batia Yaffe</i> • Lessons learned from 11 years of microsurgical reconstruction of War Injuries <i>Roderick Dunn, Alexandra Crick</i> 	<p>P08 Head & Neck Current trends in head & neck soft tissue reconstruction <i>President: Ming Huei Cheng</i> <i>Moderators: Julian Pribaz, Frederic Kolb</i></p> <ul style="list-style-type: none"> • To be defined <i>René D. Largo</i> • Comprehensive facial reconstruction incorporating microsurgical and non-microsurgical techniques <i>Stefan O.P. Hofer</i> • Technique development of perforator flaps in OMS-Head and Neck reconstruction <i>Yue He</i> • To be defined <i>Frederic Kolb</i> • Pedicled flap innovations: Changing our current trend in head and neck reconstruction <i>Amin Ayman</i> 	<p>P09 Lymphoedema LVA: how and why they work <i>President: Takumi Yamamoto</i> <i>Moderators: Akitatsu Hayashi, Yukio Seki</i></p> <ul style="list-style-type: none"> • Optimal Timing and Sites for LVA from the Lymphodynamic Point of View <i>Takumi Yamamoto</i> • Importance of Recipient Vein in LVA <i>Giuseppe Visconti</i> • Efferent Lymphatic Vessel Anastomosis (ELVA) for Subclinical Lymphedema <i>Yuma Fuse</i> • LVA for Uncommon Lymphedema <i>Guido Giacalone</i> • LVA for Lymphorrhoea and Lymphocyst <i>Johnson Chia-Shen Yang</i> • Multiple Lymphatic Venous Anastomoses in a single surgical site: the Genoa Experience, from 1973 until today <i>Corradino Campisi</i> 	<p>P10 Nerves OBPP: Timing and new techniques of nerve repair <i>President: Alexandre Muset</i> <i>Moderators: Filippo Senes, Willem Pondaag</i></p> <ul style="list-style-type: none"> • Updated Technical details in upper lesions obpp <i>Jorge Clifton</i> • Results in late surgery in obpp <i>Filippo Senes</i> • Neurotisations in upper extremity peripheral nerve reconstruction changed paradigms <i>Riccardo Giunta</i> • The role of free muscular flaps in obpp reconstruction <i>Annabel Moratona Capdevila</i> • Updated technical details for hand reconstruction results in total obpp <i>Alexandre Muset</i> • Direct coaptation to ventral roots in upper and total palsies <i>Willem Pondaag</i> 	<p>P11 Urogenital Microsurgical management of complex urogenital defects <i>President: Jens Berli</i> <i>Moderators: Salvatore D'Arpa, Maija Kolehmainen</i></p> <ul style="list-style-type: none"> • Comparison between RFF And ALT flap phalloplasty based on 413 cases <i>Salvatore D'Arpa</i> • Minimizing Severity of Complications in Phalloplasty <i>Jens Berli</i> • Vulvar and Vaginal Reconstruction using the "Angel Wing" Perforated-Based Island Flap <i>Sang Wha Kim</i> • Reconstruction of the pelvic floor, perineum and vaginal wall after perineal exenteration <i>Maija Kolehmainen</i> • Functional reconstruction of paralyzed bladder <i>Milomir Ninkovic</i> • Management of penile trauma <i>Mario Cherubino</i> 	<p>P12 Nerves Traumatic nerve lesions in lower limb <i>President: Piero Raimondi</i> <i>Moderators: Bruno Battiston, A. Lee Dellon</i></p> <ul style="list-style-type: none"> • Introduction <i>Piero Raimondi</i> • Lumbosacral plexus lesions <i>Stefano Ferraresi</i> • Nerve repair with grafts <i>Nicola Felici</i> • Neurolysis of lateral femoral and femoral nerves after injury <i>A. Lee Dellon</i> • Nerve transfers <i>Jason M. Souza</i> • Ballistic nerve injuries <i>Zoubir Belkheyyar</i> • The anterior tibialis tendon rerouting technique in common peroneal nerve palsy <i>Ignazio Marcoccio</i> 		
13.20 - 14.20	Lunch							
14.20 - 15.40	PANEL SESSION						FREE PAPERS	
	<p>P13 Orthoplastic Surgery Microsurgical reconstruction of complex defects of extremities <i>President: Stephen Kovach</i> <i>Moderators: Luca Vaienti, Suk Ho Moon</i></p> <ul style="list-style-type: none"> • Flap choice in extremity reconstruction <i>Zaher Jandali</i> • Adjunctive means to heal extremity defects: Micrografts and dermal substitutes <i>Michele Riccio</i> • The Functional Perforator Flap and Its Role for Complex Limb Defects in Addition to Resurfacing <i>Chen Hong</i> • Proximal peroneal artery perforator free flap: an alternative option for hand and foot reconstruction <i>Suk Ho Moon</i> • Lower leg soft-tissue reconstruction with local perforator flaps: our experience <i>Luca Vaienti</i> • Medialis pedis flap for weight bearing heel reconstruction <i>Jae Hoon Lee</i> 	<p>P14 Head & Neck Innovations in maxillofacial reconstruction <i>President: Matthew M. Hanasono</i> <i>Moderators: Eric Santamaría Linares, Giorgio De Santis</i></p> <ul style="list-style-type: none"> • Extended and unusual indications in jaws reconstruction with the fibula flap <i>Giorgio De Santis</i> • Bony foundation for facial aesthetics <i>Fu-Chan Wei</i> • Immediate Implants in maxillary and mandibular reconstruction <i>Evan Matros</i> • New refinements with Fibula free flap for Maxillofacial Reconstruction <i>Eric Santamaría Linares</i> • The possible future of CAD/CAM in maxillofacial surgery <i>Roman Skoracki</i> • Challenging cases in oncologic maxillofacial reconstruction <i>Matthew M. Hanasono</i> 	<p>P15 Lymphoedema WSRM guidelines on combined treatment: physiotherapy, lymphology, microsurgery <i>President: Peter C. Neligan</i> <i>Moderators: Isao Koshima, Jaume Masia</i></p> <ul style="list-style-type: none"> • To be defined <i>Peter C. Neligan</i> • The role of compression therapy in the treatment of lymphedema <i>Roberto Bartoletti</i> • C.D.P. and outcomes in Lymphoedema patients <i>Domenico Corda</i> • To be defined <i>Kristiana Gordon</i> • How to start a microsurgical lymphedema program: beginners guide <i>Carolyn De La Cruz</i> 	<p>P16 Nerves Peripheral nerve microsurgery for pain management <i>President: Giorgio Pietramaggiore</i> <i>Moderators: Ivica Ducic, Shai M. Rozen</i></p> <ul style="list-style-type: none"> • Microsurgical approaches to treat of groin and genital pain <i>Shai M. Rozen</i> • Minimally invasive surgical management of thoracic outlet syndrome <i>Robert R. Hagan</i> • Diagnosis and treatment of neurological knee joint pain <i>Saja Scherer</i> • Targeted muscle reinnervation for the treatment of the sensitive nerve neuroma in the amputation stumps <i>Valerio Ian</i> • Diagnosis and treatment of neurological ankle pain <i>Giorgio Pietramaggiore</i> • Surgical management of chronic breast pain <i>Ivica Ducic</i> 	<p>P17 Upper limb Complex nerve injuries reconstruction in upper limb: timing and techniques <i>President: Jason Ko</i> <i>Moderators: Taçkin Özalp, Bruno Battiston</i></p> <ul style="list-style-type: none"> • The influence of perfect revascularization for nerve regeneration in mangled hands with vascular and nerve damage <i>Ernesta Magistroni</i> • Five times for peripheral nerve injury and surgery. The Chang Gung Memorial Hospital experience <i>David Chuang</i> • Restoring function for nerve injuries sustained in the battlefield: a US military perspective <i>Jason M. Souza</i> • Maximizing function using nerve transfers from shoulders to fingertips <i>Jason Ko</i> • Late reconstruction of elbow flexion using free and pedicled muscle flaps in complex nerve injuries <i>Mehmet Armangil</i> • Pitfalls in evaluating the outcomes of nerve transfers <i>Kazuteru Doi</i> 	<p>P18 Bone reconstruction Epiphyseal transplant: state of the art <i>President: Marco Innocenti</i> <i>Moderators: Simo K. Vilkki, Jiantao Yang</i></p> <ul style="list-style-type: none"> • The Vilkki procedure in radial longitudinal deficiency <i>Scott Oishi</i> • Vascular anatomy of the proximal fibular epiphysis <i>Jiantao Yang</i> • Epiphyseal transplant after sarcoma resection in children: long-term results <i>Marco Innocenti</i> • Vascularized proximal fibular epiphyseal transfer for Bayne and Klug type III radial longitudinal deficiency in pediatric patient <i>Jiantao Yang</i> • Retrospective review of free fibule transfer in pediatric sarcoma: a single centre study of epiphyseal transfers <i>Paul Roblin</i> 	<p>FP 03 Basic Research and Microsurgical Training</p>	<p>FP 04 Upper Limb</p>

THURSDAY JUNE 13

	MAGENTA A ROOM	CIANO ROOM	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	BIANCO ROOM	VERDE ROOM	ROSSA ROOM
15.40 - 16.50	FREE PAPERS							
	FP 05 Orthoplastic Surgery	FP 06 Head & Neck	FP 07 Lymphoedema	FP 08 Nerves	FP 09 Upper limb	FP 10 VCTA		
16.50 - 17.05	Break							
17.05 - 18.15	FREE PAPERS							
	FP 11 Flaps	FP 12 Head & Neck	FP 13 Lymphoedema	FP 14 Nerves	FP 15 Upper limb	FP 16 Lower limb	FP 17 Miscellaneous	FP 18 Nerves
	EUROPA AUDITORIUM							
18.15 - 19.15	Master of Disaster <i>Jury: Paul S. Cederna, Lawrence J. Gottlieb, Joon Pio Hong, Michael Neumeister</i>							
20.30	Presidential Dinner							

07.00	Registration							
	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	MAGENTA A ROOM	BIANCO ROOM	CIANO ROOM	VERDE ROOM	ROSSA ROOM
07.30 - 08.20	INSTRUCTIONAL COURSES							
	IC07 Planning LVA Surgery <i>Stefano Gentileschi</i> <i>Yukio Seki</i> <i>Johnson Chia-Shen Yang</i> <i>Giuseppe Visconti</i>	IC08 Technical tricks in supermicrosurgery <i>Mitsunaga Narushima</i> <i>Hideiko Yoshimatsu</i>	IC09 VLNT: how I do it <i>Joseph Dayan</i> <i>Takumi Yamamoto</i> <i>Mark L. Smith</i>	IC10 Experimental and clinical research in tissue reconstruction <i>Alberto Ballestín</i> <i>Ileana Rodica Matei</i>	IC11 Robot microsurgery <i>Gerardo Malzone</i> <i>Jean François Honart</i> <i>Jesse C. Selber</i>	IC12 Free functional muscle transfer in brachial plexus paralysis <i>Kazuteru Doi</i> <i>Milan Stevanovic</i>		
EUROPA AUDITORIUM								
08.30 - 09.05	Chairman's Invited Lecture "The History of Microsurgery in Melbourne" <i>Chair: Giorgio De Santis</i> <i>Speaker: Wayne Morrison</i>							
09.10 - 09.45	Fu Chan Wei Award Lecture "A Bone of Conception" <i>Chair: Samir Mardini</i> <i>Speaker: Geoffrey Ian Taylor</i>							
09.45 - 10.00	Break							
	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	MAGENTA A ROOM	BIANCO ROOM	CIANO ROOM	VERDE ROOM	ROSSA ROOM
10.00 - 10.20	K-NOTE LECTURES						FREE PAPERS	
	K07 Breast Advanced microsurgical breast reconstruction: a life journey experience <i>Robert J. Allen</i>	K08 Upper Limb Microsurgical reconstruction of mangled upper extremity <i>Raja Sabapathy</i>	K09 Lower Limb Multidisciplinary approach to diabetic foot <i>Christopher E. Attinger</i>	K10 Head & Neck Jaws reconstruction: modern approach according classification of defects <i>Peter Cordeiro</i>	K11 Urogenital Up to date on penile reconstruction <i>Bauback Safa</i>	K12 Flaps Creativity in Microsurgery <i>Pedro C. Cavadas</i>	FP 19 Breast	FP20 Trunk and chest wall and Head & neck
10.20 - 11.40	PANEL SESSION							
	P19 Breast DIEP breast reconstruction: variations on the gold standard <i>President: Robert J. Allen</i> <i>Moderators: Marzia Salgarello, Aldona J. Spiegel</i> <ul style="list-style-type: none"> Tango Breast Reconstruction <i>Stefania M.H. Tuinder</i> SHAEP Flap <i>Joshua Levine</i> Aesthetic DIEP Donor Site <i>Aldona J. Spiegel</i> Mommy Makeover with DIEP Flaps <i>Jamie Zampell</i> Refinements of the DIEP <i>Fabio Santanelli Di Pompeo</i> 	P20 Upper limb Upper extremity reconstruction: from trauma to burns <i>President: Raja Sabapathy</i> <i>Moderator: Rajendra Nehete, Huifeng Song</i> <ul style="list-style-type: none"> One stage reconstruction of the mutilated hand <i>Kyros Ipaktchi</i> Microsurgery in Burns <i>Hari Venkatramani</i> Toe transfers to bring function to a mutilated hand <i>Rajendra Nehete</i> Clinical Application of Computer Assisted Technique to Design Polyfoliate Perforator Flap Pedicled on The Descending Branch of The Circumflex Femoral Lateral Artery to Reconstruct The Large Soft Tissue Defects in Limbs <i>Huifeng Song</i> Reconstruction of 3 types of total degloving hand, achieving a good shape and functional recover both for the hand and donor feet <i>Jiadong Pan</i> Microsurgery in Burn Reconstruction - 20 Years of Experience <i>Daniel Alvaro Alvarez Lazo</i> 	P21 Lower Limb Multidisciplinary approach to diabetic foot <i>President: Christopher E. Attinger</i> <i>Moderators: Christopher E. Attinger, Lawrence Colen</i> <ul style="list-style-type: none"> To be defined <i>Lawrence Colen</i> Tips for successful Microsurgery in the diabetic foot <i>Karen K. Evans</i> Super micro: how can we spread this beyond Seoul <i>Joon Pio Hong</i> 	P22 Head & Neck Evolution in jaws reconstruction <i>President: Peter Cordeiro</i> <i>Moderators: Giorgio De Santis, Joseph J. Disa</i> <ul style="list-style-type: none"> Mandible reconstruction update <i>Chih-Hung Lin</i> Update on microvascular reconstruction of the maxilla <i>Matthew M. Hanasono</i> Pediatric jaw reconstruction <i>Farooq Shahzad</i> CAD-CAM mandible reconstruction and implant placement <i>Evan Matros</i> Transoral segmental mandibulectomy and intraoral anastomosis for mandibular reconstruction with vascularized osseous flap using VSP and navigation <i>Jian Sun</i> Dental implant rehabilitation after jaw reconstruction assisted by virtual surgical planning <i>Xiaofeng Shan</i> 	P23 Urogenital Latest Advances in Penile Reconstruction <i>President: Bauback Safa</i> <i>Moderator: Sinikka Suominen, Jamie Levine</i> <ul style="list-style-type: none"> Transgender Phalloplasty - Lessons Learned From The Belgian Experience <i>Stan Monstrey</i> Transgender Phalloplasty - To Stage or Not to Stage <i>Jamie Levine</i> Transgender Phalloplasty - Newest Advances and Outcomes <i>Marlon Buncamper</i> To be defined <i>Curtis Cetrulo</i> Gracilis phalloplasty <i>Sinikka Suominen</i> Perineal reconstruction with perforator local and free flaps <i>Jeong Tae Kim</i> 	P24 Flaps Creativity in Microsurgery <i>President: Pedro C. Cavadas</i> <i>Moderators: Isao Koshima, Randy Sherman</i> <ul style="list-style-type: none"> To be defined <i>Isao Koshima</i> Blending Science and Art -Surgical Sculpting and Microsurgery <i>Julian Pribaz</i> What's new in head and neck reconstruction <i>Alexander Gaggi</i> New ideas in upper limb reconstruction <i>Francisco del Piñal</i> Cell Phone Thermography for Maximizing Safety in Use of Lower Extremity Local Flap Reconstruction <i>Geoffrey Hallock</i> Multiple free flaps from a single donor-site <i>Randy Sherman</i> 		

	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	MAGENTA A ROOM	BIANCO ROOM	CIANO ROOM	VERDE ROOM	ROSSA ROOM
11.40 - 12.00	SELECTED FREE PAPERS						FREE PAPERS	
	SFP 07 Breast	SFP 08 Upper Limb	SFP 09 Diabetic Foot	SFP 10 Head & Neck	SFP 11 Urogenital	SFP 12 Creativity in Microsurgery		
12.00 - 13.20	PANEL SESSION							
	<p>P25 Breast</p> <p>From implants to flaps and vice versa <i>President: Eric Santamaria Linares</i> <i>Moderators: Venkat Ramakrishnan, Joan E. Lipa</i></p> <ul style="list-style-type: none"> • Conversion from implant to flap, indications and how I do it? <i>Eric Santamaria Linares</i> • Free flaps and implants in breast reconstruction <i>Venkat Ramakrishnan</i> • Prepectoral implant and autologous breast reconstruction: when and why? <i>Marzia Salgarello</i> • No wrong or right: it's all about indication <i>Jian Farhadi</i> • To be defined <i>Mark L. Smith</i> • To be defined <i>Rieka Taghizadeh</i> • Challenges and Outcomes in Tertiary Breast Reconstruction <i>Joan E. Lipa</i> 	<p>P26 Nerves</p> <p>Functioning muscle transfer in brachial plexus injuries <i>President: Milan Stevanovic</i> <i>Moderators: Kazuteru Doi, Milomir Ninkovic</i></p> <ul style="list-style-type: none"> • Optimizing Free Functional Muscle Transfer Outcomes <i>Ronald Zuker</i> • Free Muscle Transfer for Finger Flexion and Finger Extension <i>Milan Stevanovic</i> • Double Free Functional Muscle Transfer for Elbow Flexion and Extension and Finger Flexion and Extension <i>Kazuteru Doi</i> • Analysis of Shoulder Abduction by Dynamic Shoulder Radiograph following Suprascapular Nerve Repair in Brachial Plexus Injury <i>Takashi Shimoe</i> • The Outcomes of Treatment of Brachial Plexus Injuries Using double Muscle Transfer <i>Ryosuke Kakinoki</i> 	<p>P27 Lower limb</p> <p>Lower limb replantations <i>President: Chih-Hung Lin</i> <i>Moderators: Raja Sabapathy, Gunther Germann</i></p> <ul style="list-style-type: none"> • Damage control strategy in lower limb salvaging <i>Chih-Hung Lin</i> • Scoring Systems and results in lower limb replantations <i>Bruno Battiston</i> • Lower limb replantation. Experience in 24 cases <i>Pedro C. Cavadas</i> • To be defined <i>Ali Reza Ercocen</i> • To be defined <i>Raja Sabapathy</i> • Youngest bilateral lower limb replantation and paediatric replantation series under the age of six years <i>Dinesh Kadam</i> 	<p>P28 Flaps</p> <p>Microsurgical foot reconstruction <i>President: Jeong Tae Kim</i> <i>Moderators: Jeong Tae Kim, Andrew Hart</i></p> <ul style="list-style-type: none"> • Reconstruction of multiple foot defects using thoracodorsal chimeric perforator flaps <i>Youn Hwan Kim</i> • Technical considerations to optimize clinical outcomes for cases requiring foot reconstruction <i>Pedro Ciudad</i> • Primary thin/chimeric perforator flaps in Caucasian patients for Foot reconstruction <i>Andrew Hart</i> • Resection and reconstruction of the soft tissue lesions of the foot <i>Erkki Tukiainen</i> • Bone and tendon reconstruction in the foot <i>Dirk J. Schaefer</i> 	<p>P29 Education</p> <p>IMSS VIII A: Augmented and virtual reality in reconstructive microsurgery <i>President: Simon Myers</i> <i>Moderators: Ali M. Ghanem, Alberto Ballestín</i></p> <ul style="list-style-type: none"> • The future of surgical education applied to reconstructive microsurgery <i>To be defined</i> • Modern technology in head and neck reconstruction planning <i>Daniel Saleh</i> • Proximie as a tool for trans-border reconstructive microsurgery collaboration <i>Nadine Hachach-Haram</i> • A systematic review on virtual and augmented reality in reconstructive microsurgery <i>Yasser Al Omran</i> • Virtual reality as new tool for microsurgical training <i>Lucian Jiga</i> • Ideas and innovations from Chile in microsurgical training <i>Ignacio Javier Cifuentes</i> • Imaging techniques and perfusion assessment <i>Alberto Ballestín</i> • Microsurgery in war zones and austere environment – the challenge and available solutions <i>Ali M. Ghanem</i> 	<p>P30 Flaps</p> <p>Thinning flaps: how far can we go? <i>President: Hyunsuk Peter Suh</i> <i>Moderators: Mitsunaga Narushima, Samir Mardini</i></p> <ul style="list-style-type: none"> • To be defined <i>Andreas Kehrer</i> • Thinning of SCIP and ALT FF for extremity reconstruction <i>Hyunsuk Peter Suh</i> • Thinning of SCIP flap; anatomical study and clinical application <i>Mitsunaga Narushima</i> • Thickness controlled perforator flaps in head and neck reconstruction <i>Jong Woo Choi</i> • To be defined <i>Naohiro Kimura</i> • A New Dissection Plane for Super-thin/Pure-Skin-Perforator Flaps: Subdermal Layer Dissection <i>Hayahito Sakai</i> 		
13.20 - 14.20	Lunch							

	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	MAGENTA A ROOM	BIANCO ROOM	CIANO ROOM	VERDE ROOM	ROSSA ROOM
14.20 - 15.40	PANEL SESSION						FREE PAPERS	
	<p>P31 Breast Beyond DIEP flap <i>President: Sinikka Suominen</i> <i>Moderators: Stefan O.P. Hofer, Stefania M.H. Tuinder</i></p> <ul style="list-style-type: none"> To be defined <i>Sinikka Suominen</i> To be defined <i>Moustapha Hamdi</i> Which is my second best option in Autologous Breast Reconstruction? <i>Stefan O.P. Hofer</i> Be as you wish to seem <i>Stefania M.H. Tuinder</i> PAP flap as first choice in free autologous breast reconstruction <i>Andrea Figus</i> Extended Latissimus Dorsi flap revisited <i>Bhagwat Mathur</i> 	<p>P32 Upper limb Extreme indications in replantations <i>President: Pedro C. Cavadas</i> <i>Moderators: Jin Soon Kim, Pierluigi Tos</i></p> <ul style="list-style-type: none"> To be defined <i>Raja Sabapathy</i> To be defined <i>Chung-Chen Hsu</i> Strategy for replantation of mangled upper limb major segments <i>Pedro C. Cavadas</i> To be defined <i>Pierluigi Tos</i> Fingertip Replantation <i>Jin Soo Kim</i> 	<p>P33 Lower limb Microsurgical versus traditional bone reconstruction in lower limb <i>President: Bruno Battiston</i> <i>Moderators: Musa Mateev, Zoe Dailiana</i></p> <ul style="list-style-type: none"> Pearls and pitfalls of free fibula vs. traditional techniques for lower limb reconstruction <i>Marko Bumbaširević</i> Microvascular bone grafts for acute traumatic lower limb defects: an alternative to traditional reconstructive methods? <i>Bruno Battiston</i> Treatment of compound tibia fracture with microvascular latissimus dorsi flap and the Ilizarov technique: a cross-sectional study of long-term outcomes <i>Erkki Tukiainen</i> Combining the external fixation and microsurgical osteoseptocutaneous flaps for lower limb salvage <i>Musa Mateev</i> Vascularized fibula for salvage of femoral head idiopathic necrosis <i>Konstantinos Malizos, Panayotis Soucacos</i> Combining Microvascular fibula to traditional allografts for tumor treatment in the lower limb <i>Luca Delcroix</i> 	<p>P34 Bone Reconstruction Toe flaps and vascularized small joints transfer <i>President: Paolo Sassu</i> <i>Moderators: Paolo Sassu, Chih-Hung Lin</i></p> <ul style="list-style-type: none"> Single and Combined toe-to-hand transfer <i>Chih-Hung Lin</i> Quality of life and disability after toe-to-hand transplantation <i>Akito Nakanishi</i> Distal thumb reconstruction using free partial flaps from the great toe <i>Bruno Barbato</i> Vascularized MCP joint transfer <i>Xin Wang</i> New advances in vascularized small joints transfer <i>Yu-Te Lin</i> Hand reconstruction with toe flaps in paediatric patients <i>Dzintars Ozols</i> 	<p>P35 Education IMSS VII B: New models of research and education in microsurgery <i>President: Yelena Akelina</i> <i>Moderators: Alberto Ballestín, Alexandru Nistor</i></p> <ul style="list-style-type: none"> IMSS Consensus position on education in microsurgery <i>Simon Myers</i> Microvascular anastomotic coupler application learning curve <i>Georgios Pafitanis</i> Influence of music in micro procedures training <i>Stefan Froschauer</i> Instructional utility of a latex model of the rat femoral artery with adventitia- a validation study <i>Heidi Phillips</i> Technical pitfalls during the micro training <i>Yelena Akelina</i> Optimizing Nerve Repair: Instructor's Role <i>Orlando Merced-O'Neill</i> Microvascular anastomosis using different types of methods other than microsuturing <i>Senthil Murugan</i> New frontiers in microsurgery research and training <i>Alexandru Nistor</i> 	<p>P36 Hand Update in Hand Reconstructions <i>President: Roberto Adani</i> <i>Moderators: L. Scott Levin, Satoshi Toh</i></p> <ul style="list-style-type: none"> Is a free venous flap a standard procedure in hand reconstruction? <i>Young Woo Kim</i> Are the pedicle flaps still a valid method? <i>Roberto Adani</i> What are my favorite flaps? Why and when <i>Gunther Germann</i> Searching for the Acceptable Hand <i>Francisco del Piñal</i> Reconstruction of complex upper extremities injuries using combined technique of microsurgery and external fixator <i>Hiroyuki Gotani</i> Indications and timing of toe-to-hand in complex injuries of the hand <i>Thomas Kempny</i> 	<p>FP 21 Breast</p>	<p>FP 22 Head & Neck</p>
15.40 - 16.40	FREE PAPERS							
	FP 23 Breast	FP 24 Upper Limb	FP 25 Lower Limb	FP 26 Head & Neck	FP 27 Urogenital	FP 28 Creativity in Microsurgery		
16.40 - 16.55	Break							

	ITALIA ROOM	MAGENTA B ROOM	INDACO ROOM	MAGENTA A ROOM	BIANCO ROOM	CIANO ROOM	VERDE ROOM	ROSSA ROOM
16.55 - 18.15	PANEL SESSION						FREE PAPERS	
	<p>P37 Breast The quest to achieve the ideal breast reconstruction: where are we now? <i>President: Jin-Sup Eom</i> <i>Moderator: Joan E. Lipa, Cristina Garusi</i></p> <ul style="list-style-type: none"> • Different indications for DIEP in breast reconstruction <i>Cristina Garusi</i> • Achieving ideal breast in Delayed Reconstruction <i>Jin-Sup Eom</i> • The ideal breast is custom-made <i>Mihye Choi</i> • Autologous breast reconstruction: flap neurotization <i>to be defined</i> • Mixed Methods in Microsurgical Breast Reconstruction <i>Maria Isabel Cadena</i> • Radiotherapy and Immediate Autologous Breast Reconstruction: Where do we stand in 2019? <i>Joan E. Lipa</i> 	<p>P38 Upper limb Microsurgical reconstruction of pediatric limbs <i>President: Neil Jones</i> <i>Moderators: Ronald Zuker, William Christopher Pederson</i></p> <ul style="list-style-type: none"> • Microsurgical reconstruction of huge skin and soft tissue defects in children <i>Juyu Tang</i> • Soft tissue reconstruction after resection of pediatric sarcomas <i>Gregory H. Borschel</i> • Vascularized periosteal flaps in children <i>Francisco Soldado</i> • Vascularized bone grafting in the upper and lower extremities in children <i>William Christopher Pederson</i> • Toe-to-hand transfers for trauma and congenital hand anomalies in children <i>Neil Jones</i> • Limb transplantation in children - indications and controversies <i>Ronald Zuker</i> 	<p>P39 Lower limb Free versus local perforator flaps <i>President: Alexandru V. Georgescu</i> <i>Moderators: TC Teo, Lucian Jiga</i></p> <ul style="list-style-type: none"> • The “versus” word and its meaning in choosing the right type of perforator flap for soft tissue coverage all over the body <i>Lucian Jiga</i> • Free Flaps Still Have a Role in Lower Extremity Soft Tissue Reconstruction <i>Geoffrey Hallock</i> • Perforator local flaps - better, easier? <i>TC Teo</i> • Did the local perforator flaps found a place in reconstructive microsurgery? <i>Alexandru V. Georgescu</i> • The role of free tissue transfer in abdominal wall reconstruction <i>Gregory Evans</i> 	<p>P40 New technology Imaging in lymphatic surgery <i>President: Peter C. Neligan</i> <i>Moderators: Hyunsuk Peter Suh, Takumi Yamamoto</i></p> <ul style="list-style-type: none"> • LMR <i>Orpheus Kolokythas</i> • Dynamic ICG Lymphography: Optimal Method for Lymphatic Supermicrosurgery <i>Takumi Yamamoto</i> • Rest/Stress Lymphoscintigraphy <i>Girolamo Tartaglione</i> • High Definition Ultrasound Micro-Imaging for Lymphatic Surgery <i>Akitatsu Hayashi</i> • Photoacoustic Lymphangiography: Development of New Imaging Technique <i>Hiroki Kajita</i> 	<p>P41 Lymphoedema Outcomes in lymphoedema surgery: LVA, VLNT, liposuction <i>President: Joseph Dayan</i> <i>Moderators: Babak J. Mehrara, Mark L. Smith</i></p> <ul style="list-style-type: none"> • To be defined <i>Mitsunaga Narushima</i> • The physiotherapist’s point of view <i>Roberto Bartoletti</i> • To be defined <i>Dhruv Singhal</i> • Optimizing outcomes in lymphedema surgery <i>Mark V. Schaverien</i> • LNT long-term results and refinement of the technique <i>Dimitrios Dionyssiou</i> • How to maximize the effect of surgical treatment of lymphoedema <i>Shinsuke Akita</i> 	<p>P42 Hand Digital replantations <i>President: Zoe Dailiana</i> <i>Moderators: Esther Vögelin, Igor Golubev</i></p> <ul style="list-style-type: none"> • Complications of digital replantations <i>Igor Golubev</i> • Avulsion injuries of the digits <i>Efterpi Demiri</i> • Fingertip Replantation - Is it worth it? <i>Bauback Safa</i> • Microsurgical alternatives to digital replantation - When and how? <i>Zoe Dailiana</i> • Is the red-line sign really contraindication of the replantation? <i>Young Woo Kim</i> 	<p>FP 29 Lymphatic Surgery</p>	<p>FP 30 Head & Neck</p>
20.00	Congress Dinner							

07.00	Registration							
	MAGENTA B ROOM	ITALIA ROOM	BIANCO ROOM	CIANO ROOM	INDACO ROOM	MAGENTA A ROOM	VERDE ROOM	ROSSA ROOM
08.00 - 09.20	PANEL SESSION						FREE PAPERS	
	<p>P43 New technology Head & neck reconstruction in the next decennium: innovation, arts and controversies <i>President: Jan Jeroen Vranckx</i> <i>Moderators: Patrick Bryan Garvey, Joseph J. Disa</i></p> <ul style="list-style-type: none"> Virtual planning for mandible reconstruction <i>Patrick Bryan Garvey</i> Technological advances in maxillary reconstruction <i>Lawrence J. Gottlieb</i> Virtual surgical planning in head and neck reconstruction <i>Andres Rodriguez Lorenzo</i> To be defined <i>Ming Huei Cheng</i> Innovation and controversies in head and neck reconstruction <i>Jan Jeroen Vranckx</i> 	<p>P44 Miscellany Organizing replantation centers <i>President: Esther Vögelin</i> <i>Moderators: Esther Vögelin, Pierluigi Tos</i></p> <ul style="list-style-type: none"> How to organize replantations today and tomorrow? <i>Igor Golubev</i> Survival outcomes in immediate vs overnight delayed digital replantations <i>Pedro C. Cavadas</i> The current state of a replantation center in Japan <i>Naohito Hibino - Tokio Kasai</i> Creating centers of replantation depending on the type of society and culture <i>Maddalena Bertolini</i> Economic study of hand microsurgical reconstruction <i>Xin Wang</i> 	<p>P45 Head & Neck Tongue reconstruction: state of the art <i>President: Jong-Woo Choi</i> <i>Moderators: Matthew M. Hanasono, Carmen Vega Garcia</i></p> <ul style="list-style-type: none"> Dynamic tongue reconstruction with microsurgical perforator chimeric flaps <i>Jong Woo Choi</i> The Medial Sural Artery Perforator Flap: The Ideal for Partial Tongue Reconstruction? <i>Adrian Ooi</i> Challenges of Total Tongue Reconstruction <i>Samuel Mattine</i> Anatomy-oriented, individualized approach to tongue reconstruction with microvascular techniques <i>Nidal Al Deek</i> Floor of mouth and tip of tongue reconstruction: tips & tricks <i>Carmen Vega Garcia</i> 	<p>P46 Breast Breast reconstruction: free flaps versus fat graft <i>President: Jian Farhadi</i> <i>Moderators: Jaume Masia, Eric Santamaria Linares</i></p> <ul style="list-style-type: none"> Breast Reconstruction with Incisionless Flaps and Free Flaps <i>Roger Khouri</i> Biological Morphogenetic Surgery: new frontier in the reconstruction / reshaping of the breast with fat grafting <i>Gino Rigotti</i> To be defined <i>Julie Park</i> Searching for the ideal breast reconstruction <i>Jaume Masia</i> 	<p>P47 Nerves New trends in facial palsy I <i>President: Ronald Zuker</i> <i>Moderators: Eyal Gur, Georgios Psaras</i></p> <ul style="list-style-type: none"> Endoscopic approach to the geniculate ganglion <i>Livio Presutti</i> To be defined <i>Pietro Giovanoli</i> Innovative Nerve Coaptation in a Double Powered Free Muscle Transfer for Facial Palsy <i>Alessio Baccarani</i> A new approach to the incomplete facial paralysis reconstruction - the use of the residual facial nerve for Gracilis muscle reanimation procedure <i>Eyal Gur</i> Bilateral Facial Paralysis <i>Georgios Psaras</i> Functional Reconstruction of Congenital and Acquired Facial Paralysis including Facial Reanimation <i>Andreas Kehrer</i> 	<p>P48 Miscellany Tissue engineering: from basic science to surgery <i>President: Stefano Geuna</i> <i>Moderators: Wayne Morrison, Ana Colette Mauricio</i></p> <ul style="list-style-type: none"> New development in adipose tissue engineering <i>Wayne Morrison</i> Prefabricated and prelaminated flaps for head and neck reconstruction: where we are now <i>Julian Pribaz</i> Tissue engineering for peripheral nerve reconstruction <i>Giulia Ronchi</i> Biomaterials and cell-based strategies for tissue reconstruction <i>Ana Colette Mauricio</i> Animal models for tissue engineering <i>Alberto Ballestín</i> 	<p>FP 31 General</p>	<p>FP 32 Head & Neck</p>
	EUROPA AUDITORIUM							
09.20 - 10.20	<p>On the shoulders of the giants <i>Moderators: Giorgio De Santis, Marco Innocenti</i></p> <ul style="list-style-type: none"> Cultivating new giants, and adding up new shoulders: train future trainers in reconstructive microsurgery <i>Fu-Chan Wei</i> Focus on Microsurgical Toe and Joint Transfers Over 40 Years <i>Simo K. Vilkki</i> To be defined <i>Peter C. Neligan</i> 							
10.20 - 10.35	Break							
	MAGENTA B ROOM	ITALIA ROOM	BIANCO ROOM	CIANO ROOM	INDACO ROOM	MAGENTA A ROOM	VERDE ROOM	ROSSA ROOM
10.35 - 10.55	K-NOTE LECTURES						FREE PAPERS	
	<p>K13 Lower Limb Planning soft tissue reconstruction in the lower limb <i>Geoffrey Hallock</i></p>	<p>K14 Flaps From groin flap to SCIP: a journey 30 years long <i>Joon Pio Hong</i></p>	<p>K15 Bone Reconstruction The knee as a donor site for innovative vascularized bone transfers <i>Heinz Bürger</i></p>	<p>K16 Lymphoedema Up to date on upper limb lymphoedema and breast reconstruction <i>Jaume Masia</i></p>	<p>K17 Tumor Systematic approach in soft tissue sarcomas reconstruction <i>Stefan O.P. Hofer</i></p>	<p>K18 New technologies Is the bionic hand a feasible alternative to hand transplant? <i>Paul S. Cederna</i></p>	<p>FP 33 Miscellaneous</p>	<p>FP 34 Head & Neck and Flaps</p>

	MAGENTA B ROOM	ITALIA ROOM	BIANCO ROOM	CIANO ROOM	INDACO ROOM	MAGENTA A ROOM	VERDE ROOM	ROSSA ROOM
10.55 - 12.15	PANEL SESSION						FREE PAPERS	
	<p>P49 Lower Limb Acute soft tissue reconstruction in the lower limb <i>President: Geoffrey Hallock</i> <i>Moderators: Zoran M. Arnez, Stephen Kovach</i></p> <ul style="list-style-type: none"> The Penn approach to soft tissue coverage in the lower limb <i>Stephen Kovach</i> Sometimes you can be "Cross" <i>Geoffrey Ian Taylor</i> Closure of open fractures: the Godina Legacy <i>Zoran M. Arnez</i> Emergency SCIP Flaps <i>Hyunsuk Peter Suh</i> My best save and my worst failure: what a young microsurgeon must expect to learn <i>Marco Maricevich</i> Freeways are faster <i>Geoffrey Ian Taylor</i> 	<p>P50 Flaps Less used smart flaps <i>President: Joon Pio Hong</i> <i>Moderators: Yixin Zhang, Lucian Jiga</i></p> <ul style="list-style-type: none"> Chimeric SCIP flaps <i>Hidehiko Yoshimatsu</i> Biophysiologic role of free flap <i>Jeong Tae Kim</i> Vastus lateralis free flap: surgical anatomy and indications <i>Lucian Jiga</i> Medial sural perforator free flap for head and neck reconstruction <i>Jong Woo Choi</i> Improving the Versatility of the Latissimus Dorsi Myocutaneous Flap Using the Perforator Propeller Flap Concept <i>Yuanbo Liu</i> The kiss flap <i>Yixin Zhang</i> 	<p>P51 Bone Reconstruction Innovative bone flaps <i>President: Heinz Bürger</i> <i>Moderators: Gautam Biswas, Lorenz Larcher</i></p> <ul style="list-style-type: none"> Posterior interosseus artery distal radius graft for ulnar nunion treatment <i>Alessia Pagnotta</i> Flap from the distal femur in head and neck surgery <i>Alexander Gaggi</i> Special Indications and new approaches for the interdisciplinary use of the medial femur condyle flap <i>Lorenz Larcher</i> Experience in reconstruction of talar defects using vascularized flaps from the femur <i>Christian Windhofer</i> Perforator flap from the peroneal system in Head and Neck <i>Gautam Biswas</i> 	<p>P52 Lymphoedema Breast reconstruction: flaps and lymph nodes <i>President: Jaume Masia</i> <i>Moderators: Marzia Salgarello, Jaume Masia</i></p> <ul style="list-style-type: none"> New concepts in vascularized omentum lymph node transfer <i>Joseph Dayan</i> To be defined <i>Peter C. Neligan</i> Combined VLNT & LVB <i>David Chang</i> Lymphatic Reconstruction based on a New Concept: Lymph-Axiality-Based (LAB) Flap <i>Takumi Yamamoto</i> Breast Reconstruction and Prevention of Axillary Dissection Related Lymphedema <i>Lan Mu</i> 	<p>P53 Tumor Extremities reconstruction after soft tissue sarcomas excision <i>President: Stefan O.P. Hofer</i> <i>Moderators: Justin Sacks, Anne O'Neill</i></p> <ul style="list-style-type: none"> Systematic approach in soft tissue sarcoma reconstruction <i>Stefan O.P. Hofer</i> State of the art oncological reconstruction of the extremities <i>Justin Sacks</i> Microsurgery flaps in lower limb reconstruction after sarcoma resections. Choices, indications and refinements (tips and tricks) <i>Manuel Fernandez</i> Staged delayed free perforator flaps in sarcoma <i>Damir Kosutic</i> Outcomes of extremity soft tissue reconstruction <i>Anne O'Neill</i> 	<p>P54 New technology Robotics and new technology in microsurgery <i>President: Paul S. Cederna</i> <i>Moderators: Marco Innocenti, Jesse C. Selber</i></p> <ul style="list-style-type: none"> Superhuman precision: the microsure robotic system <i>René Van der Hulst</i> A new robotic platform devoted to microsurgery <i>Marco Innocenti</i> Robotic microsurgical reconstruction <i>Jesse C. Selber</i> Deep-color system: the future of imaging in microsurgery <i>Andrew Plumb</i> Osteo-neuromuscular prosthetic limbs <i>Paolo Sassu</i> 		
12.15 - 12.35	SELECTED FREE PAPERS							
	SFP 13 Lower Limb	SFP 14 Flaps	SFP 15 Bone Reconstruction	SFP 16 Lymphoedema	SFP 17 Tumor	SFP 18 New technology		
12.35 - 13.55	PANEL SESSION							
	<p>P55 Nerves Making skeptics into believers: How to identify and treat upper extremity nerve compression <i>President: Pierluigi Tos</i> <i>Moderators: Hitoshi Hirata, Ignazio Marcoccio</i></p> <ul style="list-style-type: none"> Is it possible to expect a rapid reverse of hand palsy in severe nerve compression? <i>Jorge Clifton</i> Secondary nerve entrapments in recovering birth palsy <i>Gürsel Leblebicioğlu</i> Hourglass constriction in upper limb peripheral nerve: diagnosis and treatment <i>Ignazio Marcoccio</i> Toracic Outlet Syndrome is not the Carpal Tunnel of Brachial Plexus! Trying to overcome problems in TOS <i>Piero Raimondi</i> Optimizing Functional Recovery in Nerve Compression and Injury <i>Paul S. Cederna</i> 	<p>P56 Flaps Microsurgical trunk reconstruction <i>President: Erkki Tukiainen</i> <i>Moderators: Luca Vaianti, Hannu Kuokkanen</i></p> <ul style="list-style-type: none"> Abdominal wall reconstruction <i>Charles Butler</i> Chest wall reconstruction <i>Erkki Tukiainen</i> Reconstruction of spinal defects <i>Gregory Evans</i> Propeller flaps in trunk reconstruction <i>Giulio Menichini</i> Reconstruction of pelvic bone and soft tissue defects <i>Hannu Kuokkanen</i> 	<p>P57 Bone reconstruction Microsurgical reconstruction of the pelvis and spine <i>President: Stephen Moran</i> <i>Moderators: Matthew T. Houdek, Joon Pio Hong</i></p> <ul style="list-style-type: none"> Overview of Spinal and Pelvic Tumor Resection <i>Matthew T. Houdek</i> Bony reconstruction of spine and pelvis <i>Stephen Moran</i> Perforator flaps for back coverage <i>Joon Pio Hong</i> Internal and External Pelvectomies <i>Matthew T. Houdek</i> 	<p>P58 Head & Neck Free Fibula Flap in Head and Neck Microsurgical Reconstruction: Complications and pitfalls, avoidance and management of untoward outcomes, and innovative salvage techniques <i>President: Al Deek Nidal</i> <i>Moderators: Andres Rodriguez Lorenzo, Edward Chang</i></p> <ul style="list-style-type: none"> Facing the extreme and the uncommon in free fibula flap for head and neck microsurgical reconstruction: Strategies and techniques that worked <i>Nidal Al Deek</i> Complications following functional reconstruction of the mandible with the free fibula flap, and their salvage with digital technology <i>Zhigang Cai</i> Optimizing Outcomes and Avoiding Complications in Mandible Reconstruction Using Traditional Techniques <i>Edward Chang</i> Mandible reconstruction with the Fibula: planning and shaping without CAD / CAM <i>Joseph J. Disa</i> Management and Prevention of Complications Using Free Fibula in Head and Neck Reconstruction <i>Andres Rodriguez Lorenzo</i> 	<p>P59 Tumor Partial and total breast reconstruction with local flaps <i>President: Moustapha Hamdi</i> <i>Moderators: Stephen McCulley, Maija Kolehmainen</i></p> <ul style="list-style-type: none"> Standard of care in oncologic breast surgery <i>Michael Knauer</i> Nottingham approach <i>Stephen McCulley</i> Latissimus Dorsi flap <i>Jean François Honart</i> Perforator Flaps <i>Moustapha Hamdi</i> The fat augmented latissimus dorsi (FALD) flap as a second choice in autologous breast reconstruction <i>Fabio Santanelli Di Pompeo</i> 	<p>P60 Miscellany Radiotherapy and Microsurgery <i>President: Martin Halle</i> <i>Moderators: Adriana Cordova, Jan Jeroen Vranckx</i></p> <ul style="list-style-type: none"> Vascular Complication and Aesthetics in breast reconstruction pre vs post-RT <i>Joshua Fosnot</i> Vascular complications and timing of head & neck reconstruction <i>Martin Halle</i> Radiotherapy in lymphedema surgery. Effects on stem cells <i>Babak J. Mehrara</i> Gene therapy radioprotection. PRADA study <i>Aadil Khan</i> Planning microvascular reconstructions with respect to the irradiated field <i>Jan Jeroen Vranckx</i> 		
13.55 - 14.55	Lunch							

	MAGENTA B ROOM	ITALIA ROOM	BIANCO ROOM	CIANO ROOM	INDACO ROOM	MAGENTA A ROOM	VERDE ROOM	ROSSA ROOM
14.55 - 15.45	FREE PAPERS							
	FP 35 Lower Limb	FP 36 Flaps	FP 37 Bone Reconstruction	FP 38 Lymphoedema	FP 39 Tumor	FP 40 New Technology	FP 41 Aesthetic Microsurgery and Basic Research	FP 42 Basic Research
15.45 - 17.05	PANEL SESSION							
	<p style="text-align: center;">P61 Nerves</p> <p>New trends in facial palsy II <i>President: Shai M. Rozen</i> <i>Moderators: Michael Klebuc, Kallirroi Tzafetta</i></p> <ul style="list-style-type: none"> • Dynamic reanimation of the peri orbital in the subacute facial palsy patient: Does it confer corneal protection? <i>Shai M. Rozen</i> • Power Enhancement Strategies in Free Muscle Flap Facial Reanimation <i>Michael Klebuc</i> • Lower Lip Reanimation <i>Kallirroi Tzafetta</i> • Secondary revisions in facial reanimation <i>Samir Mardini</i> • Rethinking of perioral inset for facial reanimation patients: A smiling nasolabial fold or a smiling face? <i>Wei Wang</i> • Pediatric facial reanimation and new frontiers in Corneal reanimation <i>Gregory H. Borschel</i> 	<p style="text-align: center;">P62 Creativity in Microsurgery</p> <p>Microsurgical approach to migraine <i>President: Ivica Ducic</i> <i>Moderators: Edoardo Raposio, Giorgio Pietramaggiori</i></p> <ul style="list-style-type: none"> • Indications for surgical treatment of chronic migraine headaches <i>Giorgio Pietramaggiori</i> • Surgical decompression techniques for temporal headaches <i>Ziv Peled</i> • Surgical Treatment of temporal neuralgia headaches/migraines <i>Edoardo Raposio</i> • Surgical Treatment of frontal headaches/migraines <i>Robert R. Hagan</i> • Outcomes and Safety of the Surgical Treatment of chronic headaches/migraines <i>Ivica Ducic</i> 	<p style="text-align: center;">P63 Bone reconstruction</p> <p>Bone reconstruction in congenital cases <i>President: Satoshi Toh</i> <i>Moderators: Simo K. Vilkki, Satoshi Toh</i></p> <ul style="list-style-type: none"> • Reconstruction of congenitally absent radius <i>Simo K. Vilkki</i> • Impact of microsurgery on management of children with amniotic band syndrome related adactyly <i>David T.W. Chiu</i> • Twenty-four-year follow-up of type IIIB hypoplastic thumb reconstruction using a vascularized toe PIP joint transfer <i>Souichi Ohta, Ryosuche Ikeguchi</i> • Mobilization of congenital proximal radio-ulnar synostosis <i>Fuminori Kanaya</i> • Long-term results after a free vascularized fibula graft for congenital pseudoarthrosis of the tibia <i>Ryoko Uesato, Satoshi Toh</i> 	<p style="text-align: center;">P64 Education</p> <p>Training the next generation of microsurgeons around the world <i>President: James Chang</i> <i>Moderators: Martin Boyer, James Chang</i></p> <ul style="list-style-type: none"> • Optimal microsurgery Fellowship Training in the US <i>Greg Buncke</i> • Training Orthopedic surgeons in microsurgery <i>Martin Boyer</i> • Microsurgery Training in Asia <i>Bien Keem Tan</i> • Simulation Curriculum for Microsurgery <i>Ranjan Gupta</i> • Reconstructive Surgery Training in the Developing World <i>James Chang</i> 	<p style="text-align: center;">P65 Education</p> <p>Aesthetic supermicrosurgery <i>President: Isao Koshima</i> <i>Moderators: Francisco del Piñal, Yixin Zhang</i></p> <ul style="list-style-type: none"> • Aesthetic supermicrosurgery for face and limbs <i>Isao Koshima</i> • Chimera concept for hand <i>Francisco del Piñal</i> • Supermicrosurgery for nasal repair and economic flaps <i>Yixin Zhang</i> • Free mini-flaps for extremity reconstruction <i>Liwen Hao</i> • Supermicrosurgery for leg defects <i>Joon Pio Hong</i> • Super-thin SCIP flap <i>Mitsunaga Narushima</i> 	<p style="text-align: center;">P66 Miscellany</p> <p>Evidence in Microsurgery <i>President: Karen K. Evans</i> <i>Moderators: Gregory Evans, Aldona J. Spiegel</i></p> <ul style="list-style-type: none"> • Evolution of Controversies in Clinical Practice <i>Fan L. Kenneth</i> • Controversies in Risk-Reduction Mastectomy <i>Aldona J. Spiegel</i> • Controversies in flap monitoring <i>Sarah Sher</i> • Controversies in Lymphedema surgery <i>Laura Tom</i> • Controversial case presentations <i>Karen K. Evans</i> 		
17.05 - 17.35	Closing							