

2nd

Symposium on SURGERY OF THE SPASTIC UPPER LIMB

> Spastic-Hand 2

April, 5th & 6th 2019

Venice,
ITALY

Chairman:

Paolo Panciera

Final Programme

WITH THE SUPPORT OF



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International
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2nd Symposium on SURGERY OF THE SPASTIC UPPER LIMB > **Spastic-Hand 2**



Faculty List

BALESTRIERI Fabrizio (Italy)	LECLERCQ Caroline (France)
BATTISTON Bruno (Italy)	MARTINI Laura (Italy)
BHARDWAJ Praveen (India)	MERLINI Lorenzo (France)
BINI Nathalie (Italy)	MERTENS Patrick (France)
BOHN Deborah (USA)	ONEILL Eder (Ireland)
BOLDRINI Paolo (Italy)	OZKAN Turker (Turkey)
CAMBON-BINDER Adeline (France)	PANCIERA Paolo (Italy)
CASERTA Giuseppe (Italy)	PAROT Catalina (Chile)
CERREL-BAZO Humberto Antonio (Italy)	PAULOS Renata (Brazil)
CONFORTI Luigi (Italy)	PERRUISSEAU-CARRIER Anne (France)
COSENTINO Elena (Italy)	PICKARD Simon (UK)
COULET Bertrand (France)	PONTEN Eva (Sweden)
DI MARI Pietro (Italy)	RAIMONDI Piero (Italy)
FITOUSSI Frank (France)	RHEE Peter (USA)
FONTAINE Christian (France)	SARKIS Samer (France)
GIANOLLA Daniele (Italy)	SCOTT John (Australia)
GIRSCH Werner (Austria)	SMEULDERS Mark (Netherlands)
GONG Hyunsik (South Korea)	TONKIN Michael (Australia)
GRAS Mathilde (France)	VALERO CUEVAS Francisco (USA)
HAGEMANN Christian (Germany)	VAN HEEST Ann (USA)
IP Josephine (China)	VUILLERMIN Carley (USA)
JAMES Syril (France)	WALL Lindley (USA)
KEENAN Mary Ann (USA)	XU Wendong (China)
KREULEN Mick (Netherlands)	YUCESoy Can (Turkey)
LAFFONT Isabelle (France)	ZERBINATI Paolo (Italy)
LANDI Antonio (Italy)	

Dear friends and colleagues,

The first international Symposium on Surgery of the Spastic Upper Limb, held in Paris a year ago (March 9-10, 2017) hosted the world's most eminent specialists of both adult and children upper limb spasticity. It was very well received, as more than 280 participants attended from 46 countries.

Many of you have expressed the hope that the event could be repeated, for more opportunities to learn, and share experiences and new ideas.

I am very grateful to our colleagues from Treviso (Italy), who have decided to host the second International Symposium in the wonderful city of Venice, next 5-6 April 2019. The program will focus on several challenging aspects of the surgical treatment, through lectures, round tables and extensive discussion between the experts and the floor. Welcome to Venice!

Caroline Leclercq

Chairman of the First International Meeting

Dear colleagues,

We decided to take up the challenge to organise the second International Meeting dedicated to Surgery of the Spastic Upper Limb. It will take place in Venice (Italy) on April 5-6, 2019. Save the date!

The scientific content is the highest priority for the congress: international experts will bring their contribution on indications, conservative treatment and above all surgical treatment, with a lot of opportunities for discussions.

But we would also like participants to take advantage of the unique beauty and magic of the host city. We will do our best to make this congress unforgettable, and not only from the scientific point of view.

Whether surgeon, physiatrist, neurologist, specialized nurse, occupational therapist or physiotherapist, you are welcome, and if you feel you could contribute to the scientific content of the meeting, please let us know.

> GENERAL ORGANIZATION



Tel. : +33 (0)4 91 94 54 72
contact@symposium-spastic-hand.com



Tel. : +39 030 290326
info@studioprogress.it

Paolo Panciera
panciera.spasticity@gmail.com
Daniele Gianolla



8:00 // **Foreword** > P. Panciera (Italy)

8:05 // **Introduction**

- Epidemiology of spasticity in Italy > P. Boldrini (Italy)

8:20 // **Basic science: what is new?**

Chairmen: M. Smeulders, F. Bassetto

- What basic questions would need answering from the clinical point of view? > M. Smeulders (NL)
- The pathology of the muscle in CP - how can it affect prognosis and treatment results > E. Ponten (Sweden)
- Mechanics of spastic muscle and its surgical treatment: intraoperative experiments and mathematical modeling > C. Yucesoy (Turkey)
- Neuromorphic simulation of neural control of afferented muscles in healthy and pathological conditions > F. Valero-Cuevas (USA)
- Spastic and dystonic treatment: gene therapy, Myth or reality? > S. James (France)

Discussion



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9:30 // **Botulinum toxin and surgery / Decision making**

Chairmen: M. Kreulen, E. Cosentino

- Influence of botulinum toxin on my decision making > C. Vuillermin (USA)
- Failure of BOTOX: Why? > E. Cosentino (Italy)
- Botulinum Toxin for preoperative evaluation in the treatment of upper limb spasticity: personal experience on 172 cases > F. Balestrieri, L. Martini (Italy)
- Botox injection as a prediction of surgical outcome of upper limb reconstruction in cerebral palsy patients > J. IP (Hong Kong)

Discussion

- Role of dynamic EMG > M. Cosma, G. Caserta (Italy)
- Cinematic modifications after surgery or toxin injection in the upper limb > F. Fitoussi (France)

Discussion



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10:15 // **Free papers**

Chairmen: C. Fontaine, A. Azzara

- Orthotic management in the prevention of contractures in infancy > E. O'Neill (Ireland)
- The role of medications in the treatment of pain related to spasticity > P. Di Mari (Italy)
- A 3 year cohort of Upper Limb Spasticity surgeries, with validated pre and post-operative measures, demonstrates extraordinary improvement in important outcomes for the patient and carers > J. Scott (Australia)

Discussion

10:40-11:10 // **Coffee break**

11:10 // **LECTURE**

- Spasticity in tetraplegia > H.A. Cerrel-Bazo (Italy)

11:20-12:40 // **The spastic shoulder**

Chairmen: B. Coulet, P. Zerbinati

- Classification of spastic shoulders and long term follow-up > A. Landi (Italy)
- Classification n°2 > B. Coulet, I. Laffont, F. Corioian (France)
- Evaluation and decision making > M.A. Keenan (USA)
- Lengthening and tenotomies > P. Zerbinati (Italy)
- Selective neurectomies around the shoulder > F. Fitoussi (France)
- Motor innervation of the subscapularis muscle, and application to botulinum injection and selective neurectomy > C. Fontaine (France)
- Biceps Suspension Procedure for Painful Inferior Glenohumeral Subluxation > M.A. Keenan (USA)
- Shoulder spasticity in extension > C. Fontaine (France)
- Spastic shoulder and degenerative arthritis > B. Coulet, I. Laffont, F. Corioian (France)

Discussion

12:40 // **LECTURE**

- Heterotopic bone formations in the upper limb of the brain injury patient > M.A. Keenan (USA)

Discussion



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13:00-14:00 // Lunch break

14:00 // LECTURE

- The spastic biceps: friend, or enemy? > S. Pickard (UK)

14:15 // Are tendon transfers indicated in spastic patients?

Chairman: A. Van Heest

- Is the literature contributive? > C. Vuillermin (USA)
- Use of Motion Lab in Pre-operative Assessment for Tendon Transfer Surgery > A. Van Heest (USA)
- Face to face: Tendon transfers in spastic patients: art or science...? > M. Kreulen (Netherlands), M. Tonkin (Australia)

Discussion

15:00 // LECTURE

- Professor Scaglietti and flexor muscles release > P. Raimondi (Italy)

15:15 // The wrist : to fuse, or not to fuse?

Chairmen: A. Van Heest, F. Fitoussi

- The role and limitations of tendon transfers for wrist flexion deformities > P. Rhee
- Wrist fusion in adolescents > F. Fitoussi (France)
- Wrist fusion in athetoid patients > H. Gong (South Korea)
- Medio-carpal wrist fusion > C. Parot (Chile)
- The extensor theory > S. Pickard (UK)

Discussion



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15:50-16:20 // Coffee break

16:20 // The spastic thumb

Chairmen: M. Tonkin, B. Battiston

- The spastic thumb: analysis of the deformities and classification > M. Tonkin (Australia)
- The spastic thumb- an unsolved dilemma > A. Van Heest (USA)
- Fusion of the thumb CP CMC joint > L. Wall (USA)
- Stabilization of the thumb MP joint > M. Tonkin (Australia)
- EPL Rerouting > M. Kreulen (NL)
- Hyperselective neurectomy of the thumb spastic muscles: branches of the ulnar nerve and FPL > N. Bini (Italy)
- Anatomy of the motor branch of the median nerve to the thenar muscles > E. Pickard, E. Bolt (UK)

Discussion

17:10 // The technical corner: new favorites?

Chairman: M. Gras, A. Cambon-Binder

- Multilevel surgery in severe contractures of the upper limb: the shark attack > W. Girsch (Austria)
- Single event multi-site surgery > P. Rhee (USA)
- Arthroscopic shoulder suspensionplasty > B. Coulet, I. Laffont, F. Coroian (France)
- Management of the severely spastic elbow: Patient specific approach for optimizing outcomes > P. Rhee (USA)
- The lateral approach to the elbow, technical discussion > S. Pickard Simon (UK)
- Tips of Brachioradialis re-routing: Operative Technique > T. Ozkan
- An algorithmic approach to management of hand deformities: Balancing the spastic extrinsic and intrinsic finger flexors > P. Rhee (USA)

Discussion

18:00-18:15 // Business meeting



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8:30 // LECTURE

- Professor Giorgio BRUNELLI and "Hyponeurotization" > B. Battiston (Italy)

8:45 // Nerve procedures

8:45 - **Neurosurgery:**

Chairmen: P. Mertens, H. Cerrel Bazo

a) **Neuromodulation:**

- Intra-thecal baclofen in children > C. Hagemann (Germany)
- Neurostimulation > S. James (France)

b) **Ablative procedures:**

- Selective ablative procedures: spinal cord / DREZ > P. Mertens (France)
- Discussion*

9:15 - **Peripheral nerves:**

Chairmen: P. Mertens, C. Leclercq

- Complete neurectomy of pronator teres > F. Fitoussi (France)
- Principles and mode of action of selective neurectomy > P. Mertens (France)
- Anatomy of the motor nerves in the Upper Limb:
 - Musculo-cutaneous nerve > A. Cambon (France)
 - Median nerve > C. Parot (Chile)
 - Ulnar nerve > R. Paulos (Brazil)
 - Radial nerve > L. Merlini (France)
- Surgical technique of HSN > M. Gras (France)
- Hyper Selective Neurectomy: a prospective study > A. Perruisseau-Carrier, C. Leclercq (France)
- HSN+ Muscle lengthening > P. Panciera (Italy)
- Contralateral C7 root transfer > W. Xu (China) – Discussor: R. Hentz (USA)

Discussion

10:25 // LECTURE

- Spasticity in animals ? Really ? > M. Tonkin (Australia)



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10:45-11:15 // Coffee break

11:15 // Cerebral Palsy and adulthood

Chairmen: M. Tonkin, M.A. Keenan

- Principles of treatment > M. Tonkin (Australia)
- Lessons from a clinical series > M. Gras (France)
- Wrist fusion in adult CP patients > A. Van Heest (USA)
- Upper limb surgery in adult CP patients: is the surgical goal achieved? > L. Conforti, T. Tarello, N. Bini, B. Battiston (Italy)

Discussion

11:50 // How to set up a spastic upper limb clinic

Chairmen: S. Gallego, M. Horwitz

- Adolescent and young adult's spastic upper limb evaluation: A suggestion for a battery of tests > S. Sarkis (France)
- Multidisciplinary clinic for spasticity of the upper limb; A two year experience > D. Bohn (USA)
- Setting up a multidisciplinary clinic for spastic upper limb > D. Gianolla (Italy)
- Surgery for Spastic Upper Limb in Developing Countries > P. Bhardwaj (India)

Discussion

12:30-13:30 // Lunch - End of the Symposium



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Partners 2019



notes

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Feedback 4.0
Performed by Michele Sacchi
<https://www.feedback40.com>
info@feedback40.com

> GENERAL ORGANIZATION



eventime

Tel. : +33 (0)4 91 94 54 72

contact@symposium-spastic-hand.com



**Studio
Progress**

Tel. : +39 030 290326

info@studioprogress.it



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