**Preliminary Program**

**BRUSSELS INTERNATIONAL SYMPOSIUM**

*13th year*

**IMPAIRED MOTION OF THE UPPER LIMB** (FALSY, SPASTICITY, DYKINESIA AND CONTRACTURES) ;

**ADVANCES IN DIAGNOSIS AND RECONSTRUCTIVE TREATMENT**

From fundamental neurosciences and biomechanics to medical and surgical treatment and rehabilitation

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**Genval/Brussels, Belgium**

**March 18-19, 2005**

**Presymposium Hands-On Course on Upper Extremity Tendon Transfers, March 17, 2005 (Liège, Belgium)**

**Program Director**

F. Schuind, MD, PhD

Department of Orthopaedics

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E-mail: Hand.congress@ulb.ac.be

Meeting place:

Château du Lac

Avenue du Lac, B-1322 Genval, Belgium

Tel. +32 2 655 71 11 – Fax +32 2 655 74 44

E-mail: seminars.eld@martins-hotels.com

See the final program on our web site:

www.ulb.ac.be/erasme/orthogenval

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**AIMS AND FORMAT**

The first annual Brussels/Genval upper extremity symposium, held in May 1992, was on Advances in Hand and Wrist Biomechanics. Since this first meeting, the Château du Lac at Genval has hosted each spring the Brussels Upper Extremity Symposium, dedicated to a specific topic involving the hand and the upper limb. In 2004, the theme was “Advances in Peripheral Nerve Surgery and Regeneration”, bringing together over 90 participants from 22 different countries. On this occasion, progress in the understanding of the biological mechanisms regulating nerve regeneration, advances in neuropahtology, in surgery, in postoperative enhancement of axonal growth and in evaluation of the results have been discussed. However, it is evident that operative nerve repair does not always lead to satisfactory functional results. Aberrant or mixed reinnervation may cause asynchronous activity, commonly called co-contraction. Alternatively, in case of insufficient reinnervation, the patient is left with paralysis and/or loss of sensation. Also, nerve repair is not always possible (CNS lesions or inflammatory/infectious/degenerative nerve afflictions). Some patients present with a pseudo-paralysis, secondary to tendon rupture or to other traumatic or degenerative conditions. The treatment does not end with a paralyzed hand or upper extremity! In a logical continuation of their scientific and educational efforts, the organizers invite you today to participate in the 13th Symposium, dealing with the secondary treatments that we can offer to such patients.

The classical techniques to restore function in a paralyzed upper extremity include tendon transfers (provided a satisfactory donor muscle is available and the joints are reasonably supple), tendodesees, capsulodesees, arthrodeses and osteotomies. The literature related to these “palliative” treatments is scarce, and the surgeon experiences difficulties in making the appropriate choice of the best transfer option for a particular patient, especially in complex clinical situations. Some examples. Triceps function is quite important in tetraplegic patients. Various tendon transfers can restore powerful elbow extension. After irreparable ulnar nerve palsy, many techniques have been proposed to restore grip strength, to correct claw hand deformity, and to improve prehension. On what bases should the clinician make his or her choice? Thumb movements and stability are physiologically dependant on the integrity of the radial, median, and ulnar nerves; special reconstructive efforts are mandatory to restore prehension, particularly in tetraplegia. Massive rotator cuff tears cannot always be repaired, and various tendon transfers have been proposed to solve these difficult situations. Beside the surgical difficulties, are these techniques biomechanically sound? In the last decades, there has been progress in the knowledge of the microanatomy of muscle and tendons. Biomechanical musculoskeletal models of the upper extremity are now available. Hierarchical functional scales have been developed to more precisely determine the operative indications. Surgical refinements of the techniques, including the use of free muscular transfers, new methods of bone fixation, of pulley construction, or intraoperative measurement of the force generated by the transferred muscle have been reported. One aim of the Symposium is to discuss the state-of-the-art of these techniques, including biomechanical principles, technical difficulties, and innovations. The factors influencing the results, including age, quality of bone insertion, route, innervation of the transferred muscle (or quality of donor axon in case of a free flap) and time of ischemia will be established. New techniques emerge, including myo-electric orthoses and neuroprostheses. Physiotherapy is obviously extremely important, to ensure the best functional results in the shortest postoperative duration, including cortical re-orientation. The evaluation of the results, whatever the treatment modalities is another topic of the Symposium. Beside classical clinical examination and the use of patient-oriented questionnaires, new techniques have emerged, for example movement analysis coupled to electromyography, and functional MRI. At the opposite end of the spectrum to these methods to restore function, is the current place – if any – of amputation. Is amputation of a flail arm still an option?

Upper extremity palsy occurring in a child may affect the growth of the limb. For example, the obstetric brachial plexus lesion causes muscular imbalance and shoulder and elbow osseous deformities. These skeletal abnormalities could be prevented by early tendon transfers, should nerve regeneration be insufficient. Another aim of the Symposium is to discuss the biomechanical causes leading to the skeletal deformities, as well as the potential remodelling effects of muscular rebalance.

The difficult problems of abnormal movements, whether of central or peripheral origin, including focal dystonia, will be one of the important topics of the Symposium. Since the emergence of botulinum toxin A, chemical or surgical neurotomies are less used to decrease muscle spasticity. The precise indications and practical modalities of such techniques, and of new techniques, including electrical nerve stimulation, specific physiotherapy and cerebral neurosurgical options will be discussed. Selected spastic patients can be helped by peripheral reconstructive surgery, but the indications should be defined with great caution.

Patients with upper extremity motor dysfunction experience difficulties in reintegrating their family and to return to work.
Social and professional reintegration aspects will be as well considered.

As always, the primary goals of the Brussels/Genval annual upper extremity symposium, gathering together in a first-class resort close to Brussels experts from different fields (the previous symposia have been attended by orthopedic, plastic and general surgeons, anatomists, physiotherapists, rheumatologists, anesthesiologists, pain specialists, radiologists, nuclear medicine scientists, pathologists, engineers and basic scientists), are to promote the exchange of ideas, to establish guidelines on a consensual basis, and to foster collaborative investigations among various specialists, in 2005 concerning impaired motion of the upper extremity. Much time will be set aside for the discussions. The Symposium will discuss neither nerve regeneration, covered in 2004 (including motor or sensory neurotization), nor pain management.

SPECIFIC AIMS

- To summarize the state of knowledge of secondary medical and surgical treatments of impaired upper extremity motion, including aspects of anatomy, biomechanics and pharmacology;
- To review concepts of biomechanical modelling to simulate paralysis, abnormal bone stresses, and functional transfer options;
- To present the results of various protocols to treat spasticity, dystonia and in general abnormal hand/upper extremity motion;
- To discuss indications and timing aspects of secondary treatments;
- To evaluate new techniques as free muscular flaps, neuroprostheses, high frequency nerve stimulation, etc;
- To discuss rehabilitation and to determine the most appropriate methods for objective assessment of the results;
- To formulate on these bases recommendations to the medical community;
- To discuss unsolved problems and potential solutions;
- To explore future directions of investigation.

ADVANCED COURSE OF UPPER EXTREMITY TENDON TRANSFERS

As an introduction to the symposium, an anatomic hands-on course will be organized on March 17th in the Department of Anatomy of the Université de Liège (Institut d’Anatomie Auguste Swaen, rue des Pitteurs 20, 4020 Liège – Tel : +32-4-366 51 91). The course is organized by A. Carlier and F. Schuind. The number of participants in this one-day course of surgical anatomy is strictly limited to 30 participants, on a first-come first-serve basis. Experts will first present their anatomical demonstration, which the participants will follow on TV monitors. Each participant will then be invited to reproduce the dissection on a fresh specimen (one specimen per two participants). After the course, a CD-rom, based on the videos and dissections presented by the faculty, will be made available to the participants. Although scrubs and instruments will be provided, it is recommended that participants bring their own surgical loupes and delicate dissection instruments. Please bring also your camera. Participants will be driven from Genval to the Liège University and back in a luxury coach.

Please note that it is very cold in the laboratory. Please dress accordingly for the dissections.

INTERNATIONAL FACULTY

Bahm J. (Aachen, Germany) Meyer A. (Brussels, Belgium)
Birch R. (Middlesex, United Kingdom) Moermans J.P. (Brussels, Belgium)
Brunelli G. (Brescia, Italy) Molenaars G. (Pellenberg, Belgium)
Carlier A. (Liège, Belgium) Mouraux D. (Brussels, Belgium)
Camat S. (Brussels, Belgium) Oberlin Ch. (Paris, France)
De Smet L. (Pellenberg, Belgium) Robert C. (Brussels, Belgium)
Hentz V.R. (San Francisco, USA) Schuind F. (Brussels, Belgium)
Hiermer R. (Leuven, Belgium) Van Holder C. (Meulebeke, Belgium)
Hollevoet N. (Gent, Belgium)
Hoyen H. (Cleveland, USA) Vancabeke M. (Brussels, Belgium)
Leclercq C. (Paris, France) Welraeds D. (Brussels, Belgium)
Leijnse J. (Louisville, USA) Zyluk A. (Szczecin, Poland)
<table>
<thead>
<tr>
<th>Time</th>
<th>March 17</th>
<th>March 18</th>
<th>March 19</th>
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<tbody>
<tr>
<td></td>
<td>(Thursday)</td>
<td>(Friday)</td>
<td>(Saturday)</td>
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<tr>
<td>06.30</td>
<td>Transfer Genval-Liège</td>
<td>Registration – Coffee and Croissants</td>
<td>Restoration of Elbow, Wrist and Hand Function (1)</td>
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<tr>
<td>07.30</td>
<td>Course, Session A</td>
<td>Coffee-Break</td>
<td>Coffee-Break</td>
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<tr>
<td>08.00</td>
<td>An Introduction to the Symposium (1)</td>
<td>An Introduction to the Symposium (2)</td>
<td>Restoration of Elbow, Wrist and Hand Function (2)</td>
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<tr>
<td>08.55</td>
<td>Coffee-Break</td>
<td>Coffee-Break</td>
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<tr>
<td>10.00</td>
<td>Course, Session B</td>
<td>Obstetric Brachial Plexus Palsy</td>
<td>Lunch</td>
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<tr>
<td>10.20</td>
<td>Course, Session C</td>
<td>Lunch</td>
<td>Upper Extremity Spasticity/Tetraplegia</td>
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<tr>
<td>10.45</td>
<td>Coffee-Break</td>
<td>Restoration of Shoulder Function (1)</td>
<td>Procedure that we don’t do anymore and why</td>
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<tr>
<td>11.00</td>
<td>Box Lunch</td>
<td>Coffee-Break</td>
<td>Impaired Motion of the Upper Limb General Conclusions</td>
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<tr>
<td>11.50</td>
<td>Course, Session D</td>
<td>Restoration of Shoulder Function (2)</td>
<td>Health Break</td>
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<td>12.35</td>
<td>Coffee-Break</td>
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<td>13.00</td>
<td>Lunch</td>
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<td>13.10</td>
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<td>13.30</td>
<td>Course, Session C</td>
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<td>14.30</td>
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<td>Restoration of Shoulder Function (2)</td>
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<td>15.30</td>
<td>Coffee-Break</td>
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<td>15.45</td>
<td>Course, Session D</td>
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<tr>
<td>16.10</td>
<td>Coffee-Break</td>
<td>Impaired Motion of the Upper Limb</td>
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<td>16.15</td>
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<td>General Conclusions</td>
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<tr>
<td>16.30</td>
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<td>Restoration of Shoulder Function (2)</td>
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<td>16.45</td>
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<td>Health Break</td>
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<td>17.45</td>
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<tr>
<td>17.50</td>
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<td>Round Table and Case Presentations: Reconstructive Surgery of the Shoulder and Obstetric Brachial Plexus Palsy</td>
<td>Social Program</td>
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<td>18.00</td>
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<tr>
<td>18.30</td>
<td>Change</td>
<td>Cocktail in the Château</td>
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<tr>
<td>18.45</td>
<td>Transfer Liège-Genval</td>
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<td>Free evening</td>
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<tr>
<td>19.00</td>
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<tr>
<td>20.15</td>
<td>Free evening</td>
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</table>
Program

Wednesday, March 16th, 2005
16.00-19.30 Course and congress registration

Thursday, March 17th, 2005
06.30 Transfer by luxury coach Genval-Liège

Presymposium Hands-On-Course on Tendon Transfers - March 17, 2005
Faculty of Medicine of the University of Liège (Pr. A. Carlier), Liège, Belgium

08.45 Change and Preparation to Dissections

Hands-on Course, Session A

08.55 Welcome Address – A. Carlier, F. Schuind (Liège, Brussels, Belgium)

09.00 Demonstration 1
Huber’s ADM Transfer
P. Loréa, C. Van Holder (Strasbourg, France and Waregem, Belgium)

09.20 Dissection
Huber’s ADM Transfer

09.40 Demonstration 2
Tendon Transfers for Low Ulnar Nerve Palsy
A. Zyluk, C. Oberlin (Szczecin, Poland and Paris, France)

10.00 Dissection
Tendon Transfers for Low Ulnar Nerve Palsy

10.20 Demonstration 3
Tendon Transfers for Radial/Posterior Intersosseus Nerve Palsy and Median Nerve Palsy
C. Leclercq, J. Bahm, J.P. Moermans (Paris, France, Aachen, Germany and Brussels, Belgium)

10.45 Coffee-Break

Hands-on Course, Session B

11.00 Demonstration 4
Intersosseus Pulley
J.N.A. L. Leijnse (Louisville, Kentucky, USA)

11.20 Dissection
Intersosseus Pulley

11.40 Demonstration 5
Hyponeurotisation in Spasticity
G. Brunelli (Brescia, Italy)

12.00 Dissection
Hyponeurotisation in Spasticity

12.20 Demonstration 6
Modified Steindler’s Procedure
G. Brunelli (Brescia, Italy)

12.40 Free dissections

13.00 Box Lunch

Hands-on Course, Session C

13.30 Demonstration 7
EPL Reconstruction by EIP Transfer
A. Zyluk (Szczecin, Poland)

13.50 Demonstration 8
Parkes Tenodesis for Ulnar Nerve Palsy
A. Zyluk (Szczecin, Poland)

14.10 Demonstration 9
Biceps to FDP Transfer for C8Th1 Palsy
C. Oberlin (Paris, France)

14.30 Dissections
Biceps to FDP Transfer

14.50 Demonstration 10
Latissimus Dorsi Transfer for Elbow Flexion Reanimation
R. Hiemer (Leuven, Belgium)

15.10 Demonstration 11
Anatomy of Deltoid
J.N.A. L. Leijnse (Louisville, Kentucky, USA)

15.30 Coffee-Break

Hands-on Course, Session D

15.45 Demonstration 12
Tendon Transfers around the Humeral Head
J. Bahm (Aachen, Germany)

16.05 Demonstration 13
Key-Pinch Restoration in Tetraplegia
C. Leclercq, V. Hentz (Paris, France and San Francisco, California, USA)

16.25 Dissections
Key-Pinch Restoration

16.45 Demonstration 14
Zancolli’s Intrinsic Substitution Procedure
N. Hollevoet, V. Hentz (Gent, Belgium and San Francisco, California, USA)

17.05 Dissections
Zancolli’s Procedure

17.25 Demonstration 15
Tetraplegia Extension Elbow Transfers
H. Hoyen, D. Welraeds (Cleveland, Ohio, USA and Brussels, Belgium)

17.45 Free dissections

18.30 Change

18.45 Return to Genval by luxury coach

20.15 Free evening
**Friday, March 18, 2005**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: An Introduction to the Symposium (1)</th>
<th>Time</th>
<th>Session 2: An Introduction to the Symposium (2)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>07.30-10.0</td>
<td>Registration – Coffee and Croissants</td>
<td>10.20-11.40</td>
<td>Opening Address</td>
<td>12.45</td>
</tr>
<tr>
<td>08.00-09.50</td>
<td>Session 1: An Introduction to the Symposium (1) (Moderators: F. Schuind, V. Hentz)</td>
<td>10.20</td>
<td>Tendon Transfers and Electrical Stimulation</td>
<td>Difficulties surrounding</td>
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<tr>
<td>08.00</td>
<td>Opening Address</td>
<td>10.20</td>
<td>H. Hoyen, M. Keith (Cleveland, Ohio, USA)</td>
<td>Restoration of Hand Function by</td>
</tr>
<tr>
<td>08.10</td>
<td>Considerations on Muscle Morphology in Surgery</td>
<td>10.40</td>
<td>Discussion</td>
<td>Musculo-Tendinous Transfers</td>
</tr>
<tr>
<td>08.30</td>
<td>Muscle Coactivation after Severe Proximal Injury</td>
<td>10.50</td>
<td>Results of Muscle/Tendon Transfers in PostTraumatic Brachial Plexus Lesions of the Adult</td>
<td>R. Birch (Stanmore, United Kingdom)</td>
</tr>
<tr>
<td>08.40</td>
<td>Discussion</td>
<td>11.10</td>
<td>Discussion</td>
<td>Lunch and visit of the Commercial Exhibition</td>
</tr>
<tr>
<td>08.50</td>
<td>Biomechanical Research on the Behavior of Transferred Muscles</td>
<td>11.20</td>
<td>Brain Plasticity under Botox Treatment</td>
<td>Session 4: Restoration of Shoulder Function (1)</td>
</tr>
<tr>
<td>09.00</td>
<td>Setting Tension in Tendon Transfers</td>
<td>11.40</td>
<td>G. Molenaers (Leuven, Belgium)</td>
<td>(Moderators: R. Birch, G. Herzberg)</td>
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<tr>
<td>09.10</td>
<td>Discussion</td>
<td>11.50-13.10</td>
<td>Session 3: Obstetric Brachial Plexus Palsy</td>
<td>Morphology of the Deltoid Muscle in</td>
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<tr>
<td>09.20</td>
<td>Discussion</td>
<td>11.50</td>
<td>(Moderators: G. Brunelli, L. De Smet)</td>
<td>Reconstructive Surgery – Tendons of Origin, Tendons of</td>
</tr>
<tr>
<td>09.30</td>
<td>Tendon Transfers to Reanimate the Hand in Low (C8-Th1) Brachial Plexus Lesions</td>
<td>12.05</td>
<td>The Problem of Shoulder Deformity</td>
<td>Insertion and Compartment Structure</td>
</tr>
<tr>
<td>09.50</td>
<td>Discussion</td>
<td>12.20</td>
<td>R. Birch (Stanmore, United Kingdom)</td>
<td>J.N.A.L. Leijnse, S.H. Han, T. Ozyurekoglu, Y.H. Kwon (Louisville, Kentucky, USA)</td>
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<tr>
<td>10.00</td>
<td>Coffee-break and Visit of the Commercial Exhibition</td>
<td>12.30</td>
<td>Discussion</td>
<td>Muscle Transfers to Improve</td>
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<tr>
<td>10.30</td>
<td>Discussion</td>
<td>12.45</td>
<td>Muscle Transfers to Improve Shoulder Abduction: Techniques and Results</td>
<td>Shoulder Abduction: Techniques and Results</td>
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<tr>
<td>10.45</td>
<td>Discussion</td>
<td>12.50</td>
<td>J. Bahm (Aachen, Germany)</td>
<td>J. Bahm (Aachen, Germany)</td>
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<tr>
<td>10.50</td>
<td>Discussion</td>
<td>13.10</td>
<td>Rotational Imbalance of the Gleno-Humeral Joint. Multifactorial Approach and Surgical Strategy</td>
<td>Reconstruction of the Paralytic Deltoid with a Bipolar Transfer of the Latissimus Dorsi Muscle</td>
</tr>
<tr>
<td>11.00</td>
<td>Discussion</td>
<td>13.30</td>
<td>J. Bahm (Aachen, Germany)</td>
<td>L. De Smet, P. Debeer, I. Degreef (Leuven-Pellenberg, Belgium)</td>
</tr>
<tr>
<td>11.10</td>
<td>Discussion</td>
<td>13.45</td>
<td>Modelization of Latissimus Dorsi Transfer to the Humeral Head</td>
<td>Modelization of Latissimus Dorsi</td>
</tr>
<tr>
<td>11.20</td>
<td>Discussion</td>
<td>14.00</td>
<td>G. Herzberg, O. Schoierer, E. Berthonnaud, J. Dimnet (Lyon, France)</td>
<td>Transfer to the Humeral Head</td>
</tr>
<tr>
<td>11.30</td>
<td>Discussion</td>
<td>14.15</td>
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</table>
Results of Shoulder Arthrodesis
B. Baillon, M. Vancabeke, J. Panda, F. Schuind, F. Burny (Brussels, Belgium)

Discussion

Coffee-Break and Visit of the Commercial Exhibition

Session 5: Restoration of Shoulder Function (2)
(Moderators: D. Welraeds, G. Brunelli)

Reanimation of the PseudoParalytic Shoulder with a Latissimus Dorsi Transfer
P. Debeer, I. Degreef, L. De Smet (Leuven-Pellenberg, Belgium)

Latissimus Dorsi Transfer to Treat Massive Cuff Tears: Clinical Experience and Technical Considerations
G. Herzberg, O. Schoierer, E. Berthonnaud, J. Dimnet (Lyon, France)

Discussion

Saturday, March 19, 2005

Session 6: Round Table and Case Presentations: Reconstructive Surgery of the Shoulder and Obstetric Brachial Plexus Palsy
(Moderators: J. Bahm, V.R. Hentz)

Cocktail in the Château

Free Evening

Wrist Arthrodesis to Restore the Paralyzed Upper Extremity - Contradiction or Benefit?
K. Kalb, A. Gohritz, Th. Gohla, Th. Pillukat, I. Mehling, U. Lanz (Bad Neustadt, Germany)

Discussion

Nerve Transfer, Interosseous Anterior to Motor Branch of the Ulnar Nerve: an Alternative Approach for Low Ulnar Nerve Palsy
L. De Smet (Leuven-Pellenberg, Belgium)

Coffee-Break and Visit of the Commercial Exhibition

Session 8: Restoration of Elbow, Wrist and Hand Function (2)
(Moderators: R. Hierner, A. Zyluk)

Pollicization Positioning by Tendons and Muscles Balance in Thumb Hypoplasia
P. Loréa, G. Foucher (Strasbourg, France)

Results of Huber’s Abductor Digiti Minimi Transfer
C. Van Holder, H. Giele, A. Gilbert (Waregem, Belgium, Oxford, United Kingdom, and Paris, France)

Discussion

Extensor Pollicis Longus Entrapment in a Paediatric Distal Radius Fracture
W. El-Kazzi, F. Schuind (Brussels, Belgium)

Discussion
11.15 The Pulley of the Wing Tendon of the Interosseus at the MCP
J.N.A.L. Leijnse, T. Ozyurekoglu, S.H. Han, H. Hara, F. Schuind (Louisville, Kentucky, USA, and Brussels, Belgium)

11.30 Discussion

11.35 Impaired Motion of the Upper Limb in Complex Regional Pain Syndrome Type I
A. Zylik, B. Zylik, P. Pulchalski, J. Strychar (Szczecin, Poland)

11.50 Discussion

11.55 Orthotic Treatment of Tremor
S. Camut, M. Manto (Brussels, Belgium)

12.10 Discussion

12.15 Intraoperative Injection of Botulinum Toxin-A (Botox®) for Prevention of Post-Traumatic Elbow Stiffness
L. Chen, P. Kim, T. Protopsaltis, J. Lee, M.P. Rosenwasser (New York, USA)

12.30 Discussion

12.35 Lunch and Visit of the Commercial Exhibition

13.00 Session 9 : Upper Extremity Spasticity / Tetraplegia
(Moderators : H.A. Hoyen, A. Carlier)

13.30 Hyponoeurorization (Selective Denervation) in Spasticity
G. Brunelli (Brescia, Italy)

13.45 Discussion

13.50 Update on Surgical Reconstruction in Tetraplegic Patients
V.R. Hentz, C. Leclercq (San Francisco, California, USA, and Paris, France)

14.10 Surgery to Improve Function in Tetraplegia
N. Hollevoet, A. Vanden Berghe, A. Viaene, W. Vanhove, M. Van Laere, G. Vanderstraeten, R. Verdonk (Gent, Belgium)

14.25 Discussion

14.35 Tendon Transfers in Paralyzed Upper Limbs of Tetraplegics
D. Welraads, A.A. Ismail, A. Parent (Brussels, Belgium)

14.50 Discussion

15.05 Procedures I have Modified
V.R. Hentz (San Francisco, California, USA)

15.15 Discussion

15.25 Neurotization of the Axillary Nerve
R. Hierner (Leuven, Belgium)

15.45 Discussion

16.05 Tenotomies of Active Muscles
J. Bahm (Aachen, Germany)

16.15 Ten Questions to the Floor and the Faculty – Case Presentations

16.35 Summary and Conclusions
F. Schuind (Brussels, Belgium)

16.45 Health Break (Sports or Access to the Center of Fitness)

18.00 Social Program : optional

Congress Information

VENUE
Château du Lac, avenue du Lac, 87
B-1332 Genval, Belgium
Tel. +32 2 655 71 11 – Fax +32 2 655 74 44
E-mail : seminars.cdl@martins-hotels.com

LANGUAGE
English

INFORMATION FOR PRESENTERS
The allocated time of presentation should be strictly respected (15 min. for most free papers).

The standard presentation format is by computer. The audiovisual projection system in the meeting room will include a Personal Computer (PC) along with PowerPoint for Windows and a standard CD-ROM drive. Request to use any equipment other than this must be arranged at the presenter’s expense.

Each presenter should check with the technician 20 min. before the session, and introduce himself to the moderators of the session. The technician will be available in the meeting room from 07.00 on both congress days.

ADVANCED COURSE OF UPPER EXTREMIT Y TENDON TRANSFERS (March 17, 2005)
The course is organized by A. Carlier and F. Schuind, in the Department of Anatomy of the Université de Liège (Institut d’Anatomie Auguste Swaen, rue des Pitteurs 20, B-4020 Liège. Tel +32 4 366 51 91).
Transport from and to Genval is arranged. Note that the bus will leave the Château du Lac of Genval at 06.30 AM exactly.

ACCOMMODATION

Château du Lac (5 stars hotel) – meeting place
15 km south of Brussels. An invigorating and sophisticated ambience, exquisite décor, fine cuisine. Free access available at the ‘John Harris Fitness Centre’ for participants accommodated at the Château.

Indicative rate : Single 195 €/night with breakfast (March 17, 2005)
Single 170 €/nights with breakfast (March 18-19-20, 2005)

Address : Château du Lac
avenue du Lac, 87, B-1332 Genval, Belgium
Tel. + 32 2 655 71 11 – Fax +32 2 655 74 44
E-mail : seminars.cdl@martins-hotels.com

When contacting the hotel, please indicate that you are attending the “Impaired Motion Symposium” to receive the reduced rate for the dates March 16 through March 20.

Participants can also be accommodated at the hotel “Le Lido”, a 3 stars hotel located about 2 km from the Château du Lac (no transport will be provided).

Indicative rate : Single 120 €/night with breakfast (March 16-17, 2005)
Single 90 €/night with breakfast (March 18-19-20, 2005)

Address : Le Lido
20, rue de Limalsart, B-1332 Rixensart (Brussels), Belgium
Tel +32 2 634 34 34 – Fax +32 2 634 34 44
E-mail : lelido@martins-hotels.com

CONTINUING MEDICAL EDUCATION CREDIT

Belgian Accreditation Council, 120 points
(4548.0002, accreditation type 4, 120 U.F.C./N.E.).

TRAVEL INFORMATION

The Brussels International Airport has flight connections from many major cities in Europe and overseas. Coach transport from and to the airport is organized on March 16, March 17, and March 20. One of us will meet you 15 min prior to the departure of the bus, at the Airport meeting point (level arrivals) and at the railway station meeting point (gare du Midi).

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Genval can also be reached by car, by taxi (about 60 € from the airport). Although there is a railway station in Genval, we do not recommend the train as there are no taxis’ at the station, about 5 km from the hotel.

Social Program (March 19, 2005) – Hospital Our Lady with the Rose, Lessines

Originally the Hospital Our Lady with the Rose was in 1242 a « Hôtel-Dieu », founded by Alix de Rosoit, the widow of Lord Arnould IV of Oudenaarde, great bailiff of Flanders and lord of Oudenaarde and Lessines.

Since the closing in 1980 of the hospital, a Museum has been established, paying a tribute to the dual medical and spiritual vocation of the Hospital. The visitors will discover 15 rooms such as the Strangers’ room, the Infirmary, the ecclesiastic apartments, the Dispensary, sickrooms, the Chapel and the Refectory. The collections are made up of stunning art objects, medical apparatuses, pharmaceutical paraphernalia, gothic furnishings, priceless paintings, pewter pieces, chinaware, books, goldsmiths’ ware and records. All objets on display belong to the history of the hospital.

The Museum is also especially inviting because of its surroundings and the beauty of its buildings. Along the Dendre, at the historical center of the town, the hospital also includes farm buildings and enclosed gardens.

A nice banquet is then organized close to the museum. Transport from Genval and return has been arranged in a luxury coach. Please join us!
REGISTRATION FEES

| Before Dec. 1, 2004 | 430 € (1) |
| After Dec. 1, 2004 | 450 € (1) |
| Resident/Student/Physiotherapist/Nurse | 300 € (2) |
| Presymposium course on Upper Extremity Tendon Transfer | 300 € (3) |
| Optional : touristic visit of the Hospital Our Lady with the Rose at Lessines and Banquet (March 19, 2005) | 80 € (4) |

(1) Fees include meeting attendance, book of abstracts, lunches, welcome reception on March 18, and transport by coach from and to the airport on March 16, March 17 and March 20. Not included : hotel accommodation, meals except 2 lunches, access to sport facilities. Acknowledgement of registration and receipt of fees will be sent soon after the registration form and full payment are received. Upon request, a letter of invitation will be sent. Payments should be made free of all bank charges and commissions. A 3 % commission will be added to all payments made by credit card. Invoices will be expressed in EURO. The organizers cannot be held responsible for any personal injury, loss, damage, accident to private property, or additional expenses incurred as a result of delays or changes in air, rail, sea, road or other services, strikes, sickness, weather, war, sports and other causes. Luggage is at owners risk throughout unless insured. The symposium is organized by the ‘Groupe pour l’Etude du Membre Supérieur’, ASBL, Brussels.

(2) Please include a certificate signed by head of department.

(3) Fees include participation in the one-day course, CD-rom, disposal of basic instruments and scrub, box-lunch at noon, and transport by luxury coach from Genval-Liège and return. The course is organized in the Faculty of Medicine of the University of Liège (Pr A. Carlier).

(4) Included : coach transport Genval-Lessines, touristic visit of the Hospital Our Lady with the Rose at Lessines, and dinner in a typical Belgian restaurant.

Bank transfer :
Account holder « GEMS »
Account number BE51 0012 3439 9162 (international) or 001-2343991-62 (Belgium)

with Fortis Bank, Route de Lennik 808, B-1070 Brussels, Belgium
BIC or SWIFT code : GEBABEBB
Kindly instruct your bank that all charges are at your expenses, and indicate name and address on your payment order form.

CANCELLATION
In the event of cancellation, a full refund (less € 100 as a handling fee) of the registration fees may be obtained provided that written notification is received by December 15, 2004. A 50 % refund will be made for cancellations received by January 15, 2005. No refunds will be made thereafter.

REGISTRATION DESK
The registration desk will be open at the Château du Lac during the following hours :

March 16 : 16.00-19.30
March 17 : 16.00-19.30
March 18 : 07.30-17.00
March 19 : 07.30-17.000

CERTIFICATE OF ATTENDANCE
Available at the registration desk. Upon request, a letter of invitation will be sent.

WEATHER
The weather should be pleasant (early spring). Rain is always possible!

CONGRESS SECRETARIAT
Mrs Th. Nguyen
Dept. of Orthopaedics, Erasme University Hospital
Route de Lennik 808, B-1070 Brussels
Tel. +32 2 555 68 44 – 555 36 45, Fax + 32 2 555 83 60
E-mail : Hand.congress@ulb.ac.be
REGISTRATION FORM

To be filled in and returned as soon as possible

Name.............................................................................................
First name ....................................................................................
Name.............................................................................................
Specialty ......................................................................................
Title............................................................................................... 
Institution......................................................................................
Address..........................................................................................
City................................. Country .................Zip...........................
Phone .............................................Fax ........................................
Email.............................................................................................
Arrival date ......................... Departure date ...............................
Special requests (diets, etc.) ........................................................

Please fill in below as appropriate

☐ I will participate in the Impaired Motion of the Upper Limb Symposium (March 18-19, 2005).
☐ I would also like to participate in the Presymposium Hands-on Course on Upper Extremity Tendon Transfers – March 17, 2005; the number of participants is limited; if some participants cannot be accepted, the fees will be reimbursed at no charge.
☐ I would like to attend the banquet and touristic visit (Hospital Our Lady with the Rose at Lessines), March 19, 2005.
☐ My registration fees are paid as follows :
  ☐ Enclosed check
  ☐ Money order to Belgian account
    BE51 001-2343991-62 (International)
    001-2343991-62 (Belgium)
  ☐ Credit card (Euro/Master, Visa)
    Card type : ........................................................
    Card account number : ....................................
    Cardholder’s name : ........................................ 
    Expiration date (mo/yr.) : ..............................

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SIGNATURE                                                          Date

Returned this document (registration form) as soon as possible to:

Prof. F. SCHUIND, MD, Ph D
Department of Orthopaedic Surgery
Erasme University Hospital
Université libre de Bruxelles
Route de Lennik 808
B-1070 BRUSSELS
BELGIUM