International Symposium
Invasive Procedures in Motion 2011
Lessons from the Past, Criticism of the Present and Visions for the Future

21/22 January 2011, Nottwil / Lucerne / Switzerland

www.pain-nottwil.ch
associate: Berufsverband Deutscher Anästhesisten (www.bda.de)
Introduction

«Lessons from the Past, Criticism of the Present and Visions for the Future» originated as the motto of our 2008 Symposium. The future that we talked about is today. New applications of pulsed radiofrequency had been proposed, and we are now anxious to learn about and discuss the current data. Recent techniques in interventional pain therapy, including newer instruments, will be presented. However, the anticipation of exciting possibilities for the future should not lead us to disregard the present. An update on neuromodulating options (SCS, ITT) will also be a main topic, as will specific syndromes such as CRPS and facial pain. When performing interventional modalities, it is essential to know exactly what to do as well as what to avoid. Therefore, possible complications that must be considered when treating patients with these methods will be elucidated.

The great success of our last symposium, which was attended by pain specialists and experts from all over the world, has encouraged and motivated us to continue the pursuit of expanding and sharing valuable knowledge on interventional pain therapies. On behalf of our team at the Centre for Pain Medicine, we would be delighted to welcome you to our 4th Symposium at the Swiss Paraplegic Centre in Nottwil by Lucerne, Switzerland, in January 2011.

Sincerely,

Wolfgang Schleinzer, MD, MSc
Director and Head

Prof. Menno E. Sluijter
Consultant

En-Chul Chang, MD, MSc
Symposium Organizer
Main Topics

Pulsed Radiofrequency
- Mode of action and reassessment of parameters
- PRF and the immune system
- Intra-articular PRF in large and small joints
- Transcutaneous PRF
- The latest on new applications

Neuromodulation
- Intrathecal Drug Distribution
- Indication and outcome: SCS, PNS
- Update on Prialt

Complications in Interventional Pain Therapy

Imaging in Pain Therapy

New Methods
- rTMS (repetitive Transcranial Magnet Stimulation)
- Ultrasound thalamotomy
- A new epidural catheter system and technique

Update on Diagnostic Options in Neuropathic Pain

Interventional Options in Specific Pain Syndrom
- Craniofacial Pain
- CRPS
- Whiplash

Social Event
There will be a Get-Together dinner party on Friday January 21 at 18:30 at the Swiss Paraplegic Centre
4. International Symposium: **Invasive Procedures in Motion**

**Lessons from the Past, Criticism of the Present and Visions for the Future**

21/22 January 2011, Swiss Paraplegic Centre, Switzerland

<table>
<thead>
<tr>
<th>Time</th>
<th>Topics</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>21.01.2011</td>
<td><strong>Friday</strong></td>
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<tr>
<td>12:00</td>
<td>Registration / Guided Tour</td>
<td>Beat Villiger</td>
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<tr>
<td>13:00</td>
<td>Opening Ceremony</td>
<td>Wolfgang Schleinzer</td>
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<td>Welcoming Speech</td>
<td>André Aeschlimann</td>
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**Session 1**

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>13:30</td>
<td><strong>Diagnostic Assessment and Complications in Pain Medicine</strong></td>
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<td></td>
<td>Chair: Philip Finch, Perth, Australia</td>
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<tr>
<td>13:30-13:50</td>
<td>Functional Assessment of Nociceptors in the Diagnosis of Neuropathic Pain</td>
<td>Roman Ruckwied</td>
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<tr>
<td>13:55-14:15</td>
<td>Nociceptors in Chronic Pain - Sensitized for Months?</td>
<td>Martin Schmelz</td>
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<tr>
<td>14:20-14:40</td>
<td>Development for Safety with Lysis of Adhesions</td>
<td>Gabor Racz</td>
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<tr>
<td>14:45-15:15</td>
<td>Complications in Interventional Therapy</td>
<td>James Rathmell</td>
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<tr>
<td>15:20-15:40</td>
<td>Technical Aspects and Pitfalls in Intrathecal Therapy</td>
<td>Jose de Andres</td>
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<tr>
<td>15:45-16:15</td>
<td>Coffee Break</td>
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**Session 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>16:15</td>
<td><strong>Newer Methods</strong></td>
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<td></td>
<td>Chair: Jose de Andres, Valencia, Spain</td>
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<tr>
<td>16:15-16:35</td>
<td>The Application of Epidural Pulsed Radiofrequency with a new steerable Electrocathelet</td>
<td>Claudio Reverberi</td>
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<tr>
<td>16:40-17:00</td>
<td>Transcranial MR-guided Focused Ultrasound Surgery for Neuropathic Pain</td>
<td>Ernst Martin-Fiori</td>
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<tr>
<td>17:05-17:25</td>
<td>The Efficacy of repetitive Transcranial Magnetic Stimulation (rTMS) on Neuropathic Pain</td>
<td>Gunther Landmann</td>
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<tr>
<td>17:30-17:50</td>
<td>Ultrasound-guided Interventions in Pain Therapy: Advantages - Limitations</td>
<td>Urs Eichenberger</td>
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**Special Lecture:**

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>17:55-18:40</td>
<td>The interdisciplinary Approach of interventional Pain Medicine, clinical and basic Aspects</td>
<td>Maarten van Kleef</td>
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<tr>
<td>19:00</td>
<td>Aperitif / Dinner / Get-Together Party</td>
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4. International Symposium: **Invasive Procedures in Motion**  
Lessons from the Past, Criticism of the Present and Visions for the Future  
21/22 January 2011, Swiss Paraplegic Centre, Switzerland

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<thead>
<tr>
<th>Time</th>
<th>Topics</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Saturday</td>
<td>Morning 22.01.2011</td>
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<td></td>
<td><strong>Session 3</strong></td>
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<tr>
<td>09:00</td>
<td>Interventional Techniques in Pain Syndromes</td>
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<td>Chair: Susan E. Balogh, Nottwil, Switzerland</td>
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<tr>
<td>09:00-09:20</td>
<td>An Update on Cranio-Facial Pain: Interventional Techniques</td>
<td>Ricardo Ruiz-Lopez</td>
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<td>09:25-09:45</td>
<td>The Role of Lateral Atlanto-Axial Joint Pulsed Radiofrequency Treatment in Cervicogenic Headache</td>
<td>Nicholas Chua</td>
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<tr>
<td>09:50-10:10</td>
<td>CRPS Therapy Options</td>
<td>Sang-Chul Lee</td>
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<tr>
<td>10:15-10:35</td>
<td>Use and Abuse of Sympathetic Blockade</td>
<td>Philip Finch</td>
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<td>10:40-11:10</td>
<td>Coffee Break</td>
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<td><strong>Session 4</strong></td>
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<tr>
<td>11:10</td>
<td>Pulsed Radiofrequency I</td>
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<td></td>
<td>Chair: Maarten van Keef, Maastricht, Netherlands</td>
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<tr>
<td>11:10-11:30</td>
<td>Is PRF ablative? The parameters revisited</td>
<td>Menno Sluijter</td>
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<td>11:35-11:50</td>
<td>Pulsed Radiofrequency, Mode of Action</td>
<td>Serdar Erdine</td>
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<td>11:55-12:15</td>
<td>Effects of Pulsed Radiofrequency on the Immune System</td>
<td>Alexandre Teixeira</td>
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<td>12:20-12:40</td>
<td>Exploration of anti-inflammatory effect of PRF on the cellular level</td>
<td>Bert van Duijn</td>
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<tr>
<td>12:45-13:45</td>
<td>Lunch</td>
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4. International Symposium: *Invasive Procedures in Motion*

*Lessons from the Past, Criticism of the Present and Visions for the Future*

*21/22 January 2011, Swiss Paraplegic Centre, Switzerland*

<table>
<thead>
<tr>
<th>Saturday</th>
<th>Afternoon 22.01.2011</th>
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<tr>
<td><strong>Time</strong></td>
<td><strong>Topics</strong></td>
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<tr>
<td>13:45</td>
<td><strong>Session 5</strong></td>
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<td></td>
<td>Neuromodulation</td>
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<tr>
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<td>Chair: Christoph Konrad, Lucerne, Switzerland</td>
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<tr>
<td>13:45-14:05</td>
<td>Imaging in Pain Therapy</td>
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<tr>
<td>14:10-14:30</td>
<td>Prialt, a decade of experience</td>
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<tr>
<td>14:35-15:05</td>
<td>Epidural and Intrathecal Drug Distribution: Why Drug Choice and Catheter Location Matter</td>
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<tr>
<td>15:10-15:30</td>
<td>Indications and Outcomes of Spinal Cord and Peripheral Nerve Stimulation</td>
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<td>15:35-16:00</td>
<td>Coffee Break</td>
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<td>16:00</td>
<td><strong>Session 6</strong></td>
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<td></td>
<td>Pulsed Radiofrequency II</td>
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<tr>
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<td>Chair: Serdar Erdine, Capa Istanbul, Turkey</td>
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<tr>
<td>16:00-16:20</td>
<td>Pulsed RF: Treatment of unrelenting headache and of fibromyalgia</td>
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<tr>
<td>16:25-16:45</td>
<td>New Frontier of PRF: Treatment of Articular Pain in Small and Large Joints</td>
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<tr>
<td>16:50-17:10</td>
<td>Transcutaneous PRF in Chronic Knee and Shoulder Pain</td>
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<td>17:15-17:35</td>
<td>Cervical Radicular Pain</td>
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<tr>
<td>17:40-18:00</td>
<td>Discussion, Feedback</td>
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</table>
Speakers List

Susan Balogh MD
Centre for Pain Medicine, Swiss Paraplegic Centre
Nottwil/Lucerne, Switzerland

Prof. Christopher Bernards MD
University of Washington
Seattle, WA, United States

En-Chul Chang MD, MSc
Centre for Pain Medicine, Swiss Paraplegic Centre
Nottwil/Lucerne, Switzerland

Nicolas Chua MD
Tan Tock Seng Hospital
Singapore, Singapore

William E. Cohen MD
Northern Plains Pain Relief Institute
Yankton, SD, United States

José De Andres MD, PhD
Associate Professor Anesthesia, Pain Relief Unit, General University Hospital
Valencia, Spain

Urs Eichenberger MD
Dept of Anesthesiology, University Hospital of Bern
Bern, Switzerland

Prof. Serdar Erdine MD, PhD
Dept of Algology, Medical Faculty Istanbul, Istanbul University
Capa Istanbul, Turkey

Philip Finch MD
Perth Pain Management Centre
South Perth, Australia

Prof. Burkard Gustorff MD
Dept of Anaesthesiology & Intensiv Care, Wilhelminenspital
Vienna, Austria

Prof. Christof Konrad MD
Dept of Anesthesiology, Kantonsspital Lucerne
Lucerne, Switzerland
Gunther Landmann MD
Centre for Pain Medicine, Swiss Paraplegic Centre
Nottwil/Lucerne, Switzerland

Prof. Sang-Chul Lee MD, PhD
Anesthesiology, Hospital No 28, Seoul National University
Seoul, Korea

Prof. Paolo Marchetti MD, PhD
Centre for Pain Medicine, Ospedale San Raffaele
Milano, Italy

Prof. Ernst Martin-Fiori MD
MR Centre, Children Hospital, University of Zurich
Zurich, Switzerland

Prof. Gabor B. Racz MD, PhD
Dept of Anesthesiology, Texas Tech University Health Science Centre
Lubbock, United States

Prof. James Rathmell MD, PhD
MGH Pain Centre
Boston, United States

Claudio Reverberi MD, PhD
Pain Clinician, Oglio-Po Hospital
Mirandola, Italy

Ricardo Ruiz-Lopez MD
Clinica del Dolor de Barcelona, Institut de columna Vertebral
Barcelona, Spain

Roman Rukwied PhD
Dept Anesthesiology & IC Med, Clinica Fac Mannheim, University of Heidelberg
Mannheim, Germany

Pietro Schianchi MD
Pain Clinician
Lugano, Switzerland

Wolfgang Schleinzer MD, MSc
Centre for Pain Medicine, Swiss Paraplegic Centre
Nottwil/Lucerne, Switzerland

Prof. Martin Schmelz MD, PhD
Neuroscience, Dept of Anesthesiology, University of Heidelberg
Mannheim, Germany

Prof. Menno E. Sluijter MD, PhD
Centre for Pain Medicine, Swiss Paraplegic Centre
Nottwil/Lucerne, Switzerland

Murray Taverner MD
FANZCA, GDPM
Frankston, Australia
Alexandre Teixeira MD  
Clinica de Dor  
Porto, Portugal

Jean Pierre van Buyten MD  
Anesthesie Pijnbestrijding, AZ Maria Middelares  
Sint-Niklaas, Belgium

Prof. Bert van Duijn MD  
Fytagoras BV  
Leiden, Netherlands

Prof. Maarten van Kleef MD, PhD  
Dept of Anesthesiology, University Hospital  
Maastricht, Netherlands

Jan van Zundert MD, PhD  
Dept of Anesthesiology, University Hospital  
Maastricht, Netherlands

Ann Ver Donk MD, PhD  
Aesthesiology  
Knokke Heist, Belgium
General Information

Registration and Fees

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<tr>
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<th>Before October 31, 2010</th>
<th>From November 1, 2010</th>
<th>On-Site</th>
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<tbody>
<tr>
<td>Participants</td>
<td>300.– €</td>
<td>330.– €</td>
<td>350.– €</td>
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<tr>
<td>ISMED* Students/Alumni</td>
<td>270.– €</td>
<td>300.– €</td>
<td>320.– €</td>
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<tr>
<td>Resident/Student**</td>
<td>180.– €</td>
<td>200.– €</td>
<td>220.– €</td>
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* Postgraduate Master Course in Interdisciplinary Pain Medicine, University of Vienna
** Proof of Status is mandatory and must be sent with registration

Registration fee includes: Admission to session, in-house exhibitions, free coffee, drinks and snacks during breaks, aperitif/dinner and Get Together Party (Friday January 21)

Accommodation

The GZI Seminar and Conference Hotel right next to the event site offers 50 hotel rooms with up-to-date comfort. The adjacent Seminarhotel Sempachersee has 100 rooms. In Lucerne, 25 km east of Nottwil, you’ll find more hotels in various categories. There are ample shopping facilities, restaurants, museums, etc. Skiing stations are at close distance. For inquiries and bookings please refer to:

GZI Seminar and Conference Hotel
Nottwil, T +41-41-939 60 00
www.kongresshotel-gzi.ch

Seminarhotel Sempachersee, Nottwil,

Luzerne Tourist Board, T +41-41-227 17 17,
www.luzern.org

Online Registration at: www.pain-nottwil.ch

The Symposium Language is only English.
Reaching Nottwil – fast and easy

The Swiss Paraplegic Centre (SPZ) and Guido A. Zäch Institute (GZI) in Nottwil are easily reached from all directions, whether by private or public transport. Detailed plan of clinic area on homepage: www.pain-nottwil.ch

By train and bus
Nottwil station – ten minutes walk away – is served every 30 minutes by trains to and from Lucerne and (via Sursee) Basle, Berne, Geneva and Zurich. Nottwil station is wheelchair-compatible; the SPZ and GZI have their own bus stop.

By car
Nottwil is just off the A2 motorway (Basel–Lucerne). Take the Sursee exit and follow the signposts to SPZ and GZI. There is a parking garage for 520 cars (not free of charge).