THE BE T H A N I A S P I N E B A S E

UNDER THE AUSPICES OF THE INTERNATIONAL SOCIETY FOR MINIMAL INTERVENTION IN SPINAL SURGERY

ISMISS (www.ismiss.com) / SICOT

presents

the final program of

the upcoming

INTERNATIONAL 27th

COURSE FOR PERCUTANEOUS ENDOSCOPIC SPINAL SURGERY AND COMPLEMENTARY MINIMAL INVASIVE TECHNIQUES

SYMPOSIUM WITH INTERNATIONAL GUEST FACULTY & WORKSHOP DEMONSTRATIONS / TECHNICAL EXHIBITION

Course Co-Chairmen:

Hansjoerg F. Leu, M.D. - Stefan M. Kern, M.D.

January 29 / 30, 2009, Bethania Hospital

CH-8044 Zurich - Switzerland

Course Secretary’s fax: x41-[0]-43-268 28 01 / e-mail: bethania-spine@bluewin.ch

SSO / SGO - Credits: 16
Thursday, January 29, 2009

10:30 am Registration

**OPENING**

Moderator: LEU Hj.

12:00 pm Welcome address from Bethania Hospital / Diacony Foundation Bethania
Jorns F.

**FIRST SESSION**

Moderator: SCHREIBER A.

12:05 pm Static and dynamic imaging analysis in degenerative disc disease
Fischer H.

12:15 pm Neuroradiologic imaging in spinal pathologies: state of the art
Schuknecht B.

12:25 pm Anatomical aspects in minimal approach to cervico/thoraco/lumbar spine
Rauschning W.

12:50 pm Thirty cases of intra spinal epidural cysts - a histopathological study
Nijishima Y.

1:00 pm Pain therapy in radicular pain
Niebergall H.

1:10 pm Altering the natural history of LDD: do mechanical intradiscal therapies work?
Singh H.

1:20 pm Pre-surgical pain management for lumbar DDD
Abdi S.

1:35 pm Effects of commonly used epidural medications on a human fibroblast cell culture
Birkenmaier C.

1:45 pm MR-guided percutaneous endoscopic lumbar herniotomy
Lee S.

2:00 pm 5 year’s follow-up on intradiscal ozone injection for disc herniation
Buric J

**SECOND SESSION**

Moderator: DEZAWA A.

2:40 pm Are we really safe around the intervertebral foramen? A cadaver study
Yazar T.

2:50 pm Endoscopic lumbar surgery: a personal experience since 1986
Leu Hj.

3:10 pm Percutaneous endoscopic lumbar discectomy for lateral lumbar disc herniation
Miura Y.

3:20 pm Transforaminal endoscopic stenosis surgery (TESS)
Morgenstern R.

3:40 pm TES™: transforminal endoscopic lumbar surgery: technique/experience since 2004
Alfen F.

3:50 pm Transforaminal endoscopic discectomy and foraminoplasty after FBSS
Googland T.

4:00 pm Endoscopic transforaminal discectomy for recurrent lumbar disc herniation
Ruetten S.

4:10 pm Full-endoscopic cervical discectomy with posterior and anterior approach
Lübbers T.

4:20 pm Percutaneous endoscopic treatment of lumbar and thoracic disc infection
Lübbers T.

4:30 pm Post fusion junctional disc herniation syndrome treated with endoscopic spine surgery
Chiu J.

4:40 pm Surgical endoscopy and percutaneous interbody fusion in recurrent disc herniations
Gastambide D.

4:50 pm Endoscopic lumbar fusion
Tolgay S.

5:00 pm Endoscopic stabilization of thoracolumbar spine fractures with the MACS TL-plate
Heinzelmann M.

5:10 pm Lumbar vertebragenic pain syndromes: its approach from medical history
Rüttimann B.

5:20 pm Discussion / Break

**MAGISTRAL LECTURE**

Moderator: LEU Hj.

The ISMISS pioneer-guest lecture 2009:

5:40 pm Percutaneous endoscopic spinal surgery for degenerative disc disease: from pioneering applications in 1989 to proven standards in 2009
Andrea Fontanella, M.D., Ospedale ‘Città di Parma’, Parma / Italy

6:20 pm Question and answer period

6:30 pm Transfer by tramway No. 6 to Leonhardstrasse’s hotels; departure from line stop Toblerplatz
Transfer from hotels to aperitif and dinner by footwalk 4-7 min

7:30 pm Aperitif at the Zurich University Museum for Medical History, Rämistrasse 69, introduction to the museum's actual medico-historical thematic exhibition “From science to know-how”
Rüttimann B. Böni Th. Wyder M.

8:15 pm Course-dinner at the "Dozentenfoyer", Eidgenössische Technische Hochschule ETH / Federal Institute of Technology FIT, Rämistr. 101, Zurich (Tramway No. 6)
THIRD SESSION

7:30 am Universal endoscopic discectomy
Rezaian S.

7:40 am Minimally invasive treatment in DDD: classification on pain generator, in-/ex-trinsic
Choi P.

7:50 am Prosp. random. comparison of kyphoplasty with non-surgery in osteoporotic fractures
Wardlaw D.

8:00 am Mid-term results (3 years) after cervical disc decompression with nucleoplasty
Gitter S.

8:10 am Minimally invasive treatment of epidural lipomatosis
Frank E.

8:20 am Muscle preserving microscopic laminoplasty for cervical myelopathy
Nakai S.

8:30 am Minimal invasive thoracolumbar approach without section of diaphragm
Dezawa A.

8:40 am A 7-year experience with percutaneous spinal cord stimulation
Kim K.

8:50 am Spinal cord repair with adult stem cells - technique, indications and first clinical results
Haberland N.

9:00 am Video-live-transmission
Leu Hj., Kern S.

FOURTH SESSION

9:10 am The concept of motion preservation through spinal fusion
Orlov S.

9:20 am Minimal invasive anterior thoraco/lumbar approaches +/- endoscopic assistance
Klöckner C.

9:30 am Minimally invasive TLIF: indications, surgical technique and results
Pereira P.

9:40 am Minimal invasive lumbar spinal surgery
Tikhodeev S.

9:50 am Osteo-con-/inductive bone substitutes: their role in minimal invasive fusion techniques
König D.

10:00 am Bioactive ceramic implants in spine surgery
Radchenko V.

10:10 am Technology of enlargement of the interbody contact area by cage at PLIF
Bryekhov A.

10:20 am Vesselplasty - a novel method for minimal invasive kyphoplasty in vertebral fractures
Kilian F.

10:30 am Video-live-transmissions
Leu Hj., Kern S.

10:40 am Coffee break in the industrial exhibition area

FIFTH SESSION

11:30 am Non-fusion lumbar stab. with a hinged pedicle screw rod system - in vitro experiment
Schmoelz W.

11:40 am Myths and realities in posterior dynamic stabilization
Nydegger T.

11:50 am Dynamic restabilization of degenerative lumbar instability: updated experiences
Wendsche P.

12:00 am Dynamic interspinous restabilization with Coflex® in erosive osteochondrosis
Weinzierl F.

12:10 am Posterior dynamic stabilization
Sak L.

12:20 am Aperius® interspinous spacer vs open surgery in degenerative lumbar spinal stenosis
Menchetti P.

12:30 am Pedicular lumbar dynamic stabilization with the Dynesys® system : a 100 case report
Rühl M.

12:40 am Complication rate in percutaneous lumbar spine fusion
Wimmer C.

12:50 am Surgical tactics in spinal degenerative diseases as a pregravid preparation element
Sulima A.

1:00 pm Luncheon in the industrial exhibition area

SIXTH SESSION

2:00 pm Socio-economic strategies in spinal surgery
Sullivan M.

2:10 pm Endoscopic interlaminar lumbar disc surgery with Easy GO
Oertel J.

2:20 pm In vitro comp.: a novel introvert. stenting vs balloon kyphoplasty in compression fx
Fürderer S

2:30 pm Vertebroplasty with high-visc. PMMA facilitates full vertebral body height restoration
Schmoelz W.

2:40 pm Minimally invasive stabilization in traumatic vertebral fractures
Pedachenko E.

2:50 pm Vesselplasty using SrHA New cement (Osteo-G®)
Darwono S.

3:00 pm New fractures in osteoporotic patients treated with kyphoplasty
Guizzardi G.

3:10 pm Incorrect fracture analysis in kyphoplasty - potential for severe complications
Birkenmaier C.

3:20 pm The posterior approach of the NuBac®: Clinical results of a prospective cohort study
Giltaij L.

3:30 pm Development of an algorithm for tt of DDD by implanting motion preservation devices
Büttner K.

3:40 pm Mid-term results with NuCore® lumbar discotomy nucleus replacement
Schwarzembuch O.

3:50 pm Ass.ment of pain in activity/rest/night. Do we have to assess all three different pains?
Huber J.

4:00 pm Round up / questions / discussion / symposium closure
WORKSHOP (workshop registrers with batch only) MODERATOR: KERN S.

Percutaneous endoscopic approaches to the lumbar spine and complementary procedures

Experts: cf. scientific program and respective contributors

The ISMISS board’s welcome address:

Nearly fifty years after clinical introduction of classic laminectomy for treatment of symptomatic lumbar disc herniations in 1934, in the later eighties of the last century, as a minimal invasive alternative to conventional surgical procedures and enzymatic intradiscal treatments in contained lumbar disc herniation, the concept of percutaneous disc decompression with nucleotomy came from Japan to Europe in 1979. Since 1982 the complementary endoscopic control brought a direct optic control for more selective tissue removal. The main advantage of minimally invasive procedures made the sparing approach with minimal musculoligamentary irritation in its access way. Beside the impact of endoscopy for selective removal of disc fragments, direct visualization allowed also adequate preparation of the vertebral endplates for percutaneous interbody fusion, introduced in 1987/88. Since 1992 laparoscopic interbody fusion and later minimal open lateral techniques arose as a complementary technique for interbody fusion, e.g. at the lumbosacral transition, often hardly accessible for posterolateral endoscopic techniques. In 2001, low profile expandable interbody spacers came up allowing primary stability also for percutaneous interbody fusion technique. At the same time, percutaneous instrumentation for posterior internal fixation brought a new way for posterior stabilization in combination to interbody osteoinductive components.

Since 1988 anterior total disc replacement and since 1994 dynamic posterior implants became available as first steps to a new generation of lumbar restabilization without fusion. Results remain to follow. Recently also minimal interspinal non-fusion stabilization with dynamic implants further challenges the field.

As a new field of extradiscal endoscopic surgery, percutaneous foraminoscopic decompression became stepwise standardized since 1991 for the different forms of foraminal disc herniations. As a most important step, since 1999 the interlaminar full endoscopic exploration of the lumbar spinal canal became available for the removal of mediolateral to medioforaminal herniations. So endoscopic decompression challenges microscopic and tubular endoscopic techniques.

Beside technical operative aspects also clinical analysis of indications, learning-curves and follow-up criteria deserve our interest in worldwide economically restricted conditions and an evident need for outcome quality control.

So in the 30th year of practice, this upcoming International 27th Course shall again reflect the evolutions up to the actual state of the art and ongoing innovative developments in this continuously evolving branch of spinal surgery. Again international pioneers and experts sharing the course faculty promise to contribute to the vivid and collegial atmosphere of this traditional course.

Zurich, June 2008

John Chiu, M.D.    Hansjoerg F. Leu, M.D.
Past President ISMISS    President ISMISS 2008/2011 / Course Chairman
APPLICATION FOR ENROLMENT ( return by mail or fax back to : x41-[0]-43-268 28 01 )

( WORKSHOP ENROLMENT RESTRICTED - EARLY REGISTRATION RECOMMENDED ! )

I enrol for the International 27th Course for Percutaneous Endoscopic Spinal Surgery and Complementary Minimal Invasive Techniques,
Jan 29/30, 2009, Bethania Hospital/Zurich, Switzerland

Simultaneously to this enrolment, I transfer the fee of (please mark the desired combination)

☐ CHF 700.-/ EUR 460.- / US$ 700.- for the whole course including 2 days symposium and workshop

☐ CHF 600.- / EUR 400.- / US$ 600.- for the 2 days symposium only, without workshop

precisely to the account: IBAN CH79 0070 0113 7000 1151 8 at Banque Cantonale de Zurich, SWIFT: ZKBKCHZZ80A, BLZ: 700, CH-8001 Zurich; Beneficiary: Hj.Leu. With the remark:"PESS-27", or by equivalent transferable bank cheque.

No cancellation / refund after Jan 12, 2009 accordable.

Please use printed letters :

Name : ..........................................................
Address : ..........................................................
Degree/Specialty : ..................................................
Phone : ................................. Fax : ..................................................
e-mail : ........................................
Date : ................................. Signature : ..........................

Course-Coordinator
Hansjoerg Leu, M.D., Bethania Spine Base
Toblerstrasse 51, CH-8044 Zurich / Switzerland

Course Venue
Auditorium and conference rooms, Bethania Hospital
Toblerstrasse 51, CH-8044 Zurich, Switzerland
Front Office : x41-[0]-43-268 70 70

Information
Secretary PESS-25, Bethania Spine Base
Toblerstrasse 51, CH - 8044 Zürich, Switzerland
Phone: x41-[0]-43 268 28-00, Fax : -01, e-mail: bethania-spine@bluewin.ch
Hotel – recommendable accommodations for registrees:

Room reservation is recommended as soon as possible at:
Zurich Tourist Service, P.O. Box, CH-8023 Zurich
Phone: x 41-44-215 40 40 / Fax: x 41-44-215 40 44
Web www.zurichtourism.ch/hotel.

Hotel Glockenhof ****,
rather comfortable, centrally located left side, Tramway 6 uphill in direction Zoo until stop
"Toblerplatz", Sihlstrasse 31, CH-8001 Zürich
Tel x41-44- 225 91 91, Fax x41-44-225 92 92, Web www.glockenhof.ch

Hotel Rigihof ****
rather comfortable, nearest to course venue, 9' footwalk, Universitätstrasse 101, CH-8006
Zürich, Tel x41-44-361 16 85, Fax x41-44-361 16 17, Web www.hotel-rigihof.ch

Hotel Florhof ***
elegant, romantic set-up in traditional palais, Tramway 5 from "Kunsthaus/Heimplatz"
uphill to „Fluntern“, from There Tramway 6 to „Toblerplatz“, Florhofgasse 4, Ch-8001
Zürich, Tel x41-44-250 26 26, Fax x41-44-250 26 27, Web www.florhof.ch

Hotel Leoneck ***
good comfort, near to FIT (course dinner), on tramway line 6, stop "Haldenegg",
easy for tramway 6 transfer uphill, until stop "Toblerplatz" nearby the Bethania Hospital;
Leonhardstrasse 1, CH-8001 Zurich, Tel x41-44-254 22 22, Fax x41-44-254 22 00, Web
www.leoneck.ch

Hotel Rütli ***
good comfort, centrally located right side, footwalk 5 min to tram stop Universitätsspitale,
from there ophil with Tramway 6 until „Toblerplatz“, Zähringerstrasse 43, CH-8001 Zürich
Tel x41-44-254 58 00, Fax x41-44-254 58 01, Homepage www.rutli.ch

Hotel Poly **
reasonable comfort, nearest ** to course venue, 10' footwalk uphill to Rigiplatz, from there
right on Gladbachstrasse, then left after some 300 m into Toblerstrasse, follow until 51
Universitätstrasse 63, CH-8006 Zürich
Tel x41-1-362 94 40, Fax x41 361 62 12, Web www.hotel-poly.ch

Hotel Arlette **
reasonable comfort, 6' footwalk to "Central", from there Tramway 6 uphill until to
"Toblerplatz", Stampfenbachstr. 26, 8001 Zürich
Tel +41-44-252 00 32, Fax -, Mail hotel.arlette@bluewin.ch

Hotel Bristol **
reasonable comfort, 7' footwalk to "Central", from there Tramway 6 uphill until to
"Toblerplatz", Stampfenbachstr. 34, 8001 Zürich
Tel +41-44-258 44 44, Fax x41-44-258 44 00, Web www.hotelbristol.ch