

Final Program
4th Dynesos Meeting
Conducted by the Swiss Spine Institute

The 10th Anniversary of Dynesys™

“The past, the present and the future”

Palais Ferstel Vienna, Austria
Monday 3rd of May, 2004



Dynesys™

Dynamic Neutralization System Spine



centerpulse

Implanting trust.



Life is motion – Dynesys™ keeps it going!

Dynesys™ returns pathological vertebral motion segments to their proper physiological position, restabilises them dynamically and thus supports the intervertebral discs, facet joints, ligaments and muscles. With over 7,000 operations, Dynesys™ sets new standards for the treatment of lumbar degenerative diseases of the spinal column, thus creating optimal conditions for the biological regeneration of the structures, that will be shown in an MRI study.

Centerpulse Orthopedics Division a Zimmer Company

Centerpulse Orthopedics Ltd, Winterthur CH
& Centerpulse Spine-Tech Inc., Minneapolis USA
www.zimmer.com
www.centerpulse.com

Dynesys™
Dynamic Neutralization System for the Spine

Invitation

Since the first implantation of the Dynesys™ by the inventor Prof. Gilles Dubois, ten years have past and this dynamic neutralisation system has become wide spread in daily practice as an alternative to fusion. In these ten years we have quite a lot of prospective clinical studies that have proven the high value of the Dynesys™. Of course there are controversies about indications in surgeon technique and biomechanical data and this leads to the fact that it is mandatory to hold continuous debate and discussions on the use of Dynesys™.

This 10th anniversary of Dynesys™ is a great platform for practice related presentations and open interactive discussions in a friendly atmosphere. Using the interactive technology with electronic polling, the goals of this meeting; “indications in surgeon technique and biomechanical data” will be supported by the opinions of those in the audience in real time.

We would like to create a sense of celebration with you, as this is an important milestone in the history of non-fusion technology. It is for this reason that we have decided to hold the 4th Dynesos meeting at the prestigious Palais Ferstel, Vienna, located in the city of Vienna, with its magnificent rooms, truly a venue that equals such a special event.

I trust that you can join us, and I look forward to not only meeting you at the symposium but also welcoming you to the wonderful city of Vienna.

Sincerely

Dr. Christian R. Etter, M.D
President
Swiss Spine Institute



Spinal Column/Spina-Latin Health/sanus, Sana, sanum-Latin

Spina Sana™ is recognized as a leading online spinal medicine resource for doctors and patients, providing comprehensive online spine care solutions to improve and enhance the lives of those suffering back pain and spine problems.

Spina Sana™ supports research in spinal medicine and aspires to optimise the quality of therapy in this area and promotes sensible and precautionary measures against disease of the back and spine.

Spina Sana™ is committed to interdisciplinary treatment groups and co-operative care and through this network of specialists, offers back patients extensive and competent advice.

When you have a patient that is making a decision concerning surgery, the more information you can provide them beforehand, the more comfortable your patient and their family will be.

More and more physicians are directing their patients to consult Spina Sana™ to assist in educating the patient in the procedures and rehabilitation options that are available and recommended.

If your patients have any doubts about their back pain, you should not hesitate to refer them to Spina Sana™ for qualified information. For more information regarding Spina Sana, go to the web site at; www.spinasana.ch
Now available in English, German and French.



Why You Should Attend

Interactive learning experience for spinal specialists through:

- Over 23 renowned international faculty presenting
- Formal lectures followed by an intensive discussion
- Live audience polling, “What would you do?” and “Your opinion of Dynesys™”, with live results projected on screen
- Hear the opinions of spine surgeons from around the world
- Review the history of the spine stabilization in accordance with anatomy and physiology
- Discuss biomechanics and imaging assessment
- Identify clear surgical indications for the use of Dynesys™

Education Acknowledgment

- 8 educational points by the Swiss Orthopaedic Association

Network with the opinion leaders in Spine:

- Meet colleagues at the welcome apéro
- Black tie gala dinner
- Spine Arthroplasty Symposium will be held in Vienna (Hofburg Centre) the following days from 4th to 7th May, 2004

Visit one of the world's great cities:

- Most of Vienna's cultural institutions, sights, landmarks, shopping malls are within walking distance from the symposium venue
- Operas at Vienna State Opera, Volksoper, Kammeroper
- The Imperial Riding School and the Treasure Chamber
- Glorious buildings along Ringstrasse – a showcase of the monarchy and the imperial art collections

About the Dynesys™

Description of Device

The Dynesys™ Spinal System – Dynamic Neutralization System for the Spine is a well established device in Europe and an investigational device in the US that represents a new concept intended to relieve back and/or leg pain. The Dynesys™ system uses flexible materials to stabilize the affected lumbar region while preserving the natural anatomy of the spine. The system is designed to stabilize the spine without fusing. The Dynesys™ Spinal System was developed in Switzerland by Centerpulse AG – a Zimmer company in conjunction with three prominent spinal surgeons. The first Dynesys™ device was implanted first in Europe in 1994 with an EU market launch in 1999 and has treated over 11,000 patients (European Spine Journal 2002: 11:S170 – S178).

Symptoms

Chronic back and leg pain in the lumbar region, caused by problems with the intervertebral discs, is usually given non – operative treatment for as long as possible. When such treatment no longer provides relief, the primary solution until now have included removal of the affected discs and fusion of the vertebral segments. It is estimated that nearly 160,000 people in the EU and 400,000 people in the U.S. undergo fusion procedures each year.

The Dynesys system may provide a non-fusion alternative in the early stages of the Disc Degenerative Disease to alleviate pain that results from two common conditions:

1. Spinal Stenosis – A condition where compression of nerves can produce symptoms of pain, numbness and tingling in the legs. Most cases of spinal stenosis occur in the low back (lumbar spine) and most often affect the sciatic nerve. It can give mono or multi – segmental stenosis.
2. Spondylolisthesis – Grade 1 – This condition is most commonly known as “slipped disc.” This condition refers to abnormal and excessive movement of the vertebrae causing pain in the lower back and legs.

Description provided by Zimmer. For more detailed information on the Dynesys™ please consult www.zimmerspine.com and go to the Dynesys™ information page.

Introduction from Prof. Gilles Dubois MD

In the natural course of spinal degeneration, the functional tripod (disc and facet joints) goes through several stages of instability. The early stages being, failure of the disc and para- spinal muscles, followed by osteoarthritis of the facet joints, subsidence of the upper vertebra and stenosis. The end stage is a fused deformity. In the phase of degeneration where symptoms are caused by disco vertebral dyskinesia, that is between the stages of early failure of the disc and fused deformation, a Dynamic Stabilization of the instable segment provides distinct benefits. It may slow down the degenerative process and even promote healing of the disc and endplate.

I was educated both ways: orthopaedics and neurosurgery. My permanent focus is always to combine either pain relief of the patient and to restore, as much as I can, the functional anatomy of the impaired segments of the spine. By respect to my teachers, I did every time try to withhold the basic knowledge but also explore new alternative solutions.

Innovation is a daily struggle where we are trying to combine the security of the tradition with the moving phase of the doubts. After many decades of surgery, the question on the long term behaviour of the spine of my patients found an answer. In 1994, I give it a name: Dynesys was born.

Sincerely

Prof. Gilles Dubois, MD

Head of Department of Neurosurgery
Nouvelle Clinique de L'Union, St. Jean, France

About the Swiss Spine Institute

The Swiss Spine Institute is a private university, for international spine medicine based on a decentralized network of spine specialists and centres of competence around the world.

The Swiss Spine Institute's objective is to trace precisely the relevant conservative and operative treatment methods in a central data base and improve treatment quality based on this documentation.

This documentation provides a platform for education, research, development and information to medical doctors and allied health care professionals involved in spine medicine around the world.

It is the philosophy of this multidisciplinary organization, that each of these five topics are fundamental to its overall mission,

- Documentation
- Education
- Research
- Development
- Information

We believe that these five topics will contribute to the national and international improvement and maintenance of the quality in spine care. In addition, the Swiss Spine Institute is co-operating with other societies and institutes around the world, and informs the public about spine health issues.

The Swiss Spine Institute extends international membership to all medical doctors and allied spine professionals to contribute to high quality and cost-effective care for patients with spinal disorders.

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Swiss Spine Institute Membership

The Swiss Spine Institute invites spine specialists from around the world to join our International Foundation, and enjoy the benefits of membership.

Benefits of membership

- We will provide education and exchange of information using the most modern means of communication.
- Invitation to attend single-topic educational programs and workshop conferences, including registration, travel and accommodation.
- Receive special, discounted registrations fees (20%) for all SSI educational events and international symposia.
- Priority registration to Swiss Spine Institute symposiums.
- Membership to Spina Sana, an online initiative providing comprehensive online spine care solutions for patients and doctors.
- Ability to share your expertise with others through networking opportunities and online discussion groups.
- Access to Swiss Spine Institute documentation system SpineNet
- Listed on the Swiss Spine Institute web site Membership Directory

Through your membership support we will:

- Provide research grants and awards
- Support travelling fellowships programs
- Continue medical education in the latest non-invasive techniques, surgical procedures, interventional pain therapy and equipment innovations
- Promote the interdisciplinary scientific exchange

We would be delighted to have you join us at our symposium, "The 4th Dynesos Meeting" in Vienna, and invite you to complete the enclosed registration form.

Sincerely,



Bill Chambers

General Manager
Swiss Spine Institute

Faculty 4th Dynesos Meeting

Dr. R. Bertagnoli, MD	Chief of Spine Department, Klinikum St. Elisabeth, Straubing, Germany	Dr. J. O'Dowd, FRCS Orth	Consultant Spine Surgeon, Guys and St Thomas' Hospitals London, United Kingdom
Dr. R. Davis, MD	Spine Surgeon, Glen Burnie, USA	Prof. W. Rauschnig, MD, PhD	Department of Orthopaedic Surgery, Academic University Hospital, Uppsala, Sweden
Prof. G. Dubois, MD	Head of Department of Neurosurgery Nouvelle Clinique de L'Union, St. Jean, France	Dr. K. Schnake, MD	Staff surgeon, Department of Trauma and Reconstructive Surgery, Department of Orthopaedic Surgery, Charité Berlin, Germany
Dr. Ch. Etter, MD	Chief Department of Spinal Medicine and Pain Therapy, Klinik Hirslanden Zürich and Aarau, Switzerland	Dr. O. Schwarzenbach, MD	Staff Surgeon Department of Spinal Medicine and Pain Therapy, Hirslanden Klinik, Aarau, Orthopaedic Surgeon, Thun, Switzerland
Markus Fröhlich, dipl. Ing. ETH	Vice President Biomechanical Analysis Centerpulse Orthopaedics Ltd, a Zimmer Company, Switzerland	Dr. B. Scarfò MD	Spine Surgeon, Siena, Italy
Dr. R. Guyer, MD	Spine Surgeon, Texas Back Institute, Plano Texas, USA	Dr. T.M. Stoll, MD	Spine Surgeon, Spine Unit Bethesda Hospital, Basel, Switzerland
Dr. J. Huber, MD	Staff Surgeon, Department of Orthopaedic Surgery Kantonsspital Aarau, Switzerland	Dr. J. Sherman, MD	Spine Surgeon, Twin Cities Orthopaedics, Edina, USA
Dr. St. Joubert, MD	Staff Spine Surgeon in private practice, Umhlanga hospital, Durban, South Africa	Dr. N. Specchia, MD, PhD	Department of Orthopaedics, University of Ancona, Italy
Dr. F. Kilian, MD	Head of Spinal Surgical Department, Catholic Hospital – Brüderhaus, Koblenz, Germany	Dr. D. Verhulst, MD	Orthopaedic Spine Surgeon, Stuivenberg Hospital, Antwerpen, Belgium
Dr. M. Krombholz, MD	Christian-Doppler Klinik, Salzburg, Austria	Dr. D. Wardlaw, MB ChB, ChM, FRCSEd	Consultant Orthopaedic and Spinal Surgeon, Woodend Hospital, Aberdeen, United Kingdom
Dr. James Maxwell, MD	Spine Surgeon, Town centre Medical Plaza, Scottsdale, USA	Dr. K. Zuber, MD	Orthopaedic Spine Surgeon, Klinik Sonnenhof, Bern, Switzerland
Prof. P. McAfee, MD	Spine Surgeon, Scoliosis and Spine Centre, Towson, USA		

Scientific program 4th Dynesos Meeting

Monday, 3rd May 2004

Morning sessions

7:30 AM	Pre registration	
8:00 AM	M. Kyburz	Idea of this 4 th Dynesos meeting
8:05 AM	C. Etter	Welcome
8:10 AM	R. Guyer	Electronic polling "Your opinion of Dynesys before this meeting?"

Session 1 Moderator

Concept and indications
T.M. Stoll

8:30 AM	G. Dubois	Opening lecture from the inventor
8:45 AM	W. Rauschnig	Pathoanatomical rationales for dynamic lumbar spine stabilization
9:00 AM	R. Guyer	Principles of dynamic stabilisation with special reference to the posterior column
9:15 AM	P. McAfee	Benefits of non-fusion technologies over traditional fusion
9:30 AM	R. Bertagnoli	Indication algorithm for non fusion technology
9:45 AM	D. Verhulst	Positioning of the indications for Dynesys
10:00 AM	J. O'Dowd	Why I don't use Dynesys
10:15 AM	Panel discussion	

10:35 AM Coffee Break

Session 2 Moderator

Results of the prospective studies
P. McAfee

11:00 AM	T.M. Stoll	Prospective results of the Neutralisation Group
11:15 AM	J. Maxwell	Early results of the Dynesys US IDE study
11:30 AM	K. Schnake	Lumbar stenosis with degenerative spondylolisthesis in elderly patients
11:45 AM	M. Krombholz	Results and outcome
12:00 PM	Panel discussion	

12:30 PM Buffet Lunch

Afternoon sessions

Session 3 Moderator

Modifications and extended indications
R. Bertagnoli MD

2:00 PM	O. Schwarzenbach	Extended indications: Hybrid techniques
2:15 PM	S. Joubert	South African experience with special reference to high energy sports
2:30 PM	F. Kilian	The less invasive technique for implantation of Dynesys
2:45 PM	K. Zuber	Unilateral application: Does it work?
3:00 PM	Panel discussion	

3:20 PM Coffee Break

Session 4 Moderator

Special aspects
J. Sherman MD

3:45 PM	M. Froelich	Influence of the rigidity factor
4:00 PM	N. Specchia	Dynamic neutralization of the lumbar spine can help the disc repairing process
4:15 PM	J. Huber	Influence on dynamics of the motion segment
4:30 PM	R. Davis	My experience with Dynesys with special reference to distraction
4:45 PM	D. Wardlaw	First experience with the dynamic MRI following implantation of Dynesys
5:00 PM	B. Scarfò	An analysis of the Dynesys spacer
5:15 PM	Panel discussion	
5:35 PM	R. Guyer	Electronic polling, "Your opinion of Dynesys after this meeting?"
6:00 PM	M. Kyburz & C. Etter	Wrap up and adjourn

6:05 PM Break

7:30 PM Apéro Arkadenhof, Palais Ferstel

8:00 PM Gala Dinner Grosse Ferstelsaal, Palais Ferstel

Perfect fit.

Creating the world's #1 pure-play orthopaedic company

The new Zimmer combines the strengths of two great companies whose operations and corporate cultures complement each other. Zimmer combines Centerpulse's leadership in European orthopaedics and platforms in spine and dental implants with its strong franchises in the U.S. and Japan in reconstructive products and Minimally Invasive Solutions™ (MIS™) procedures and technologies.

We bring together 2,000 sales representatives in 70 different countries. Our portfolio of more than 100,000 orthopaedic products represents more than 1,000 issued patents. Our advanced technologies change people's lives.

Transforming an industry is no routine procedure. It begins with passion – a passion to win, a passion to heal, and a passion for life – the patient's quality of life.

For Zimmer, it has been a life-long passion to find The Perfect Fit.

Welcome to the new Zimmer!



General Information

Symposium organiser

Swiss Spine Institute®

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4052 Basel, Switzerland
Phone: +41 (0) 61 373 23 03
Fax: +41 (0) 61 373 23 02
E-Mail: institute@swiss-spine.ch
Web: www.swiss-spine.ch

Symposium venue

Palais Ferstel
Strauchgasse 4
A-1010 Vienna, Austria

Opening

Monday, 3rd May 2004, 07h30

Closing

Monday, 3rd May 2004, 18h00

Registration deadline and fees

Deadline is 15th April, 2004 full registration fee, CHF 750.00

We have a limited number of seats available, so registration should be made as soon as possible to guarantee your place. Full registration includes single symposium admission, conference materials, buffet lunch, entertainment, coffee breaks, welcome apéro and gala dinner.

Registration fees are to be remitted by April 15, 2004 latest, by bank funds transfer or credit card. You may complete the registration insert or download from our web site www.swiss-spine.ch.

If you are paying via bank funds transfer, please note; Swiss Spine Institute "The 4th Dynesos Meeting".

Cancellations

50% of the registration fee will be refunded if cancellation is received in writing to Swiss Spine Institute Engelgasse 77, 4052 Basel, Switzerland by April 2, 2004 at the latest.

Unfortunately, no refunds are possible after April 2, 2004.

Education Acknowledgment

For Swiss participants the participation at this symposium is honoured with

- 8 educational points by the Swiss Orthopaedic Association

Admission Badges

At the registration counter, registered delegates will receive their badges and symposium documents. Only participants who have paid their fees will be admitted to the symposium and social events.

The official symposium badges will be required for admission to the scientific sessions and the social events. Lost badges can be replaced at the registration counter.

Congress Language

The official congress language will be English. Simultaneous translation will not be provided.

Gala dinner

To celebrate the 10th Anniversary of Dynesys™, registered delegates are invited to a welcome apéro followed by a gala dinner, with entertainment throughout the night.

Dress Code

For the symposium the dress code is smart casual.

For the apéro and gala dinner, for gentleman black tie, and for ladies, is evening gown.

Exclusive Symposium Sponsor

We would like to acknowledge the continued support of Zimmer Spine;



Centerpulse Orthopaedics Ltd, a Zimmer Company

P.O. Box 65
8404 Winterthur
Switzerland
www.zimmerspine.com

Endorsed and supported by



Spine Arthroplasty Society

42 US Highway 1
Second Floor
North Palm Beach, FL 33408
United States of America
www.spinearthroplasty.org

Symposium location

The Palais Ferstel

The magnificent Palais Ferstel is located in one of the oldest parts of Vienna. Inspired by a long journey to Italy, the young architect Heinrich von Ferstel created one of the city's most interesting 19th-century edifices between 1856 – 1860, architecturally combining ashlar construction and Venetian-Florentine trecento style.

When it was inaugurated back in 1860, Palais Ferstel was hailed the "most modern building in Vienna". For a short time it housed the Vienna Stock Exchange and the Austro – Hungarian central bank. It boasted styl-

ish rooms, a glass-covered inner courtyard and the perfect spot for the Cafe Central, which became the focal point of Vienna and Europe's intellectual elite at the close of the 19th century.

Today, Palais Ferstel's perfect blend of architectural styles gives the venue its refreshing symbiosis of impressively classic ambience and state-of-the-art installations. Lavishly faithful revitalisation and restoration work, taking in every last detail, have left the building splendidly radiant, while optimally incorporating the infrastructures essential to modern event facilities.

The Grosser Ferstelsaal, whose style was inspired by romantic historicism, boasts splendid chandeliers, unpretentious parquet flooring and a beautiful coffered ceiling. It is therefore undoubtedly one of Vienna's most interesting halls. Whereas the Palais itself conjures up associations of a Venetian palazzo, what is most striking about the Grosser Ferstelsaal is its shape – reminiscent of a ship's bow and designed using a Gothic open timber roof style from England. The architect evidently considered Great Britain, a leading nation of merchant trading and industry, an appropriate model for the construction of Vienna's financial centre.



Getting to the symposium venue

From/to Vienna International Airport

City Airport Train (CAT)

The CAT is a new direct connection between Vienna Airport and the city centre with city check-in facilities. You can check in and obtain your boarding card at Wien-Mitte train station up to 24 hours prior to your departure.

Travelling time: 16 minutes non-stop

Departures: every half hour

Price: 9 euros single – 16 euros return

By bus:

From Westbahnhof – Südbahnhof – Centre (Postgasse) – Vienna Airport Service daily from 4.30 – 1.00, approx. every 20 minutes, duration of trip approx 20 minutes.

The bus stop at Vienna International Airport is located directly in front of the arrival and departure hall.

By rail:

It takes 22 minutes for the new S7 railway line, which runs at 20-minute intervals, from Wien Mitte to the airport (with regular stops on the way).

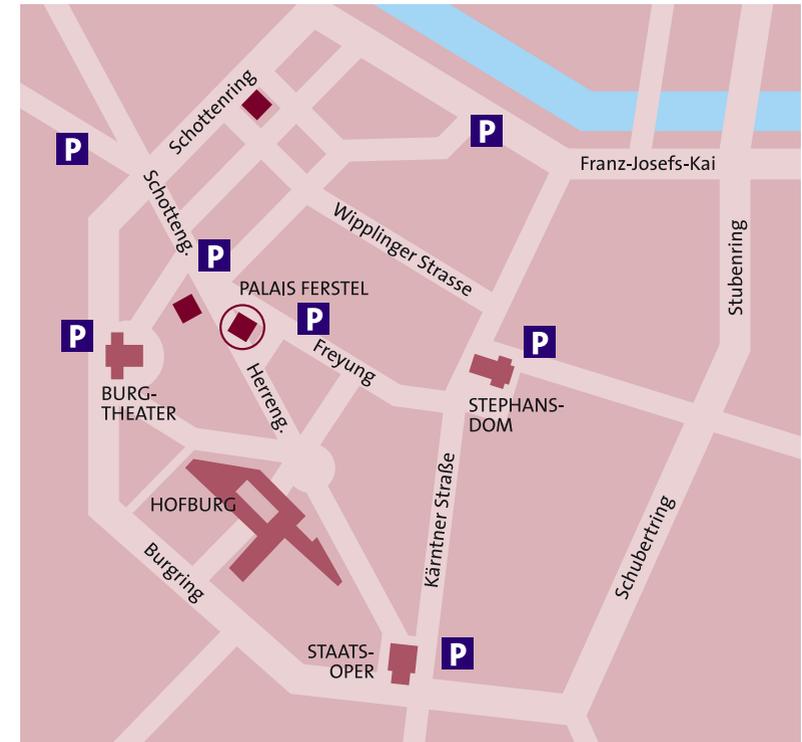
By taxi:

Approximate price: 30 euros Approximate duration: 30 – 45 minutes

Radio taxis are entitled to ask for an additional return fee of 10 euros for trips to the airport.



Map of symposium location



The Imperial Palace (Hofburg), St. Stephen's Cathedral, the State Opera, Vienna's finest shopping streets and a choice selection of leading hotels are within short walking distance. Public transport access is ideal with the U3 underground station Herrengasse only about 50 metres away.

Parking is available in the nearby underground car park at Freyung, and Vienna International Airport is about 30 minutes away.

Palais Ferstel
Strauchgasse 4
A-1010 Wien

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Implanting trust.



The HRC Locking Cage™ Cervical is a new concept for a spinal implant. Its self-locking mechanism with the titanium-blade allows excellent primary stability. Radiolucency is given by the PEEK Optima TL1 material. The anatomical, smooth shape of the implant secures easy and bone preserving using just one instrument. In clinical use since the beginning of 2001, its performance is confirmed. This concept is also available for lumbar spine treatment.

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& Centerpulse Spine-Tech Inc., Minneapolis USA
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Vienna Hotels

We recommend the following hotels for Swiss Spines Delegates. Hotel accommodation should be arranged by you.

1. HOTEL LE MERIDIEN ★★★★★

Opernring 13–15, A-1010 Vienna
Phone: +43 (0)1 588 90 0, Fax: +43 (0)1 588 90 90
E-Mail: info.vienna@lemeridien.com
www.lemeridien-vienna.com

2. DE FRANCE – AUSTRIA HOTELS ★★★★★

Schottenring 3, A-1010 Vienna
Phone: +43 (0)1 313 68 0, Fax: +43 (0)1 319 59 69
E-Mail: defrance@austria-hotels.co.at
www.austria-hotels.co.at

3. GRAND HOTEL VIENNA ★★★★★

Kärntner Ring 9, A-1010 Vienna
Phone: +43 (0)1 515 80 0, Fax: +43 (0)1 515 13 13
E-Mail: sales@grandhotelvienna.com
www.grandhotelvienna.com

4. HOTEL INTER CONTINENTAL VIENNA ★★★★★

Johannesgasse 28, A-1037 Vienna
Phone: +43 (0)1 711 22 0, Fax: +43 (0)1 713 44 89
E-Mail: vienna@interconti.com
www.vienna.intercontinental.com

5. SOFITEL VIENNA ★★★★★

Am Heumarkt 35–37, A-1030 Vienna
Phone: +43 (0)1 716 16 0, Fax: +43 (0)1 716 16 84
E-Mail: h1276-sl@accor-hotels.com
www.accorhotels.com/sofitel-vienna.htm

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Vienna Information

Climate

During the spring time the average temperature varies between 19°C and 9°C with a mean temperature of 15°C.

Power

Vienna uses 220 Volt, 50 Hertz; if you are travelling from abroad you will need to use a compatible power adaptor.

Currency

The official Austrian currency is the Euro (€)

Banks and Exchange Offices

Open Mon – Wed, Fri 8/9 – 15, Thu 8/9 – 17:30
Branch offices closed 12.30 – 13.30

Taxis

The fare is shown on officially calibrated meters. Base fare: 2.50 Euros

Hire cars & Limousines

Austrian Chauffeur Limousines
Phone: +43 1512 7000, E-Mail: acl@aclvienna.at

Vienna International Airport

Phone: 7007-22233 (24 hours), www.viennaairport.com

Lampert Hofer Costume rental company

Simmeringer Hauptstrasse 28, 1110 Vienna
Phone: +43 1 740 90 0
E-Mail: office@costumier.com, www.costumier.com

Emergency Telephone

Euro emergency number 112
Fire department 122
Police 133
Ambulance & emergency services 144

SAS4 – Spine Arthroplasty Summit 4

May 4 – 7, 2004

Vienna Convention Bureau, Hofburg Centre Vienna, Austria



Preliminary Program

4th May

- Round table discussion group

5th May

- Basics Sciences
- Non-fusion technology: Pro's – Con's
- DDD Anatomy/pathophysiology/biochemistry of disc degeneration
- Devices: designs/rationale/kinematics
- Biomechanics: New aspects of influence of arthroplasty to the normal FSU
- Wear/Debris

6th May

- Clinical Outcomes (minimum 1 year follow up)
- Outcome Instruments for arthroplasty
- Clinical trial designs/statistic parameters
- Lumbar Results (Randomized, prospective)
- Cervical Results (Randomized, prospective)

7th May

- New and Early Stage Technologies
- Partial Disc Replacements: New Designs, Update and Early results
- Total Disc Replacements: New Designs, Update and Early results
- Posterior Dynamic Stabilisation: New Designs, Update and Early results
- Anulus repair: New Designs, Update and Early results

For further details, please contact Pascale Davis:

Spine Arthroplasty Society

Phone: +33 618 416 089

E-Mail: SASVienna@aol.com

Web: SASVienna2004.com

7th International Symposium

16th – 18th September 2004

Bern, Switzerland

Two Decades of Instrumented Fusion “An in-depth analysis”.

Preliminary Program

Session One: Guest lectures

History and in-depth analysis of spinal fusion

- Tumour
- Degeneration
- Deformity
- Trauma

Session Two: Electronic polling

- “Your opinion of fusion”? Results projected on screen

Session Three: Current issues and advances

- Cages
- Hybrid techniques
- Pedicle screw systems
- CT guided surgery
- Approach

Session Four: Imaging of spinal fusion

- Assessment algorithm
- Stereo photometry
- Functional X-Ray
- Second look
- CT Scan

Session Five: Basic science

- Biomechanics
- Bone substitutes/Biomaterials

Session Six: Documentation

- Outcome assessment systems

Session Seven: Electronic polling

- “Your opinion of fusion after the symposium”? Results projected on screen

The Swiss Spine Institute is calling for the submission of abstracts for their 7th International Symposium, “Two decades of instrumented fusion”.

All abstracts should be submitted by way of e-mail; please go on line to www.swiss-spine.ch to find abstract submission information.



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