

**CEOC**<sup>6<sup>th</sup></sup>  
31.5. – 3.6.2006  
*Graz - Austria*

**Final Programme**

**6<sup>th</sup> Central European Orthopaedic Congress**



**May 31<sup>st</sup> – June 3<sup>rd</sup>, 2006**

**Graz, Austria**

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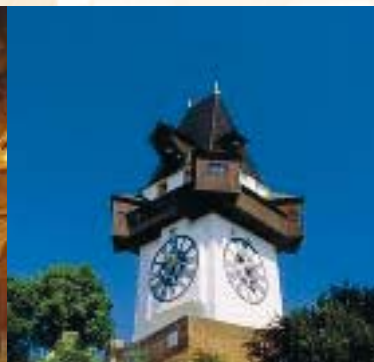
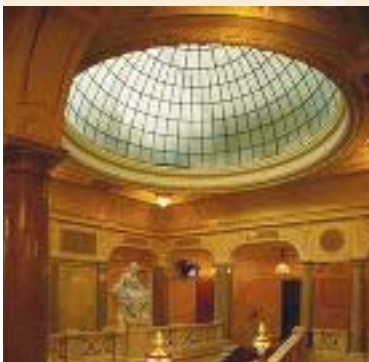
## Welcoming Addresses

Of all the things we treasure in life, health is of the greatest value. Beyond any doubt, health is the crucial factor accounting for a good quality of life, and providing the best possible medical care serves to enhance our health.

The **6th Central European Orthopaedic Congress** in Graz, which brings together numerous renowned national and international experts in the capital of Styria, contributes essentially to the exchange of medical knowledge and serves as a platform for the communication of new scientific findings in the field of orthopaedics.

I should like to wish the organisers of the Congress every success for this event. I am confident that it will attract numerous participants and promote the enhancement of knowledge about our health.

**Franz Voves**  
Governor of the Land of Styria



## Welcoming Addresses

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According to the German doctor and founder of cellular pathology, Dr. Rudolf Virchow, "Two things tend to impede medical progress: authorities and systems".

For the City of Graz, which enjoys an excellent international reputation as a place for science and education with its four universities and Austria's largest centre of universities of applied sciences, it is very important that research and continuing education are encouraged and supported. As the Cultural Capital of Europe in 2003, Graz could prove that it is a renowned congress city. In addition, Graz sees itself as a city of encounters in the heart of a coalescing Europe.

Thus I am very delighted that after Bratislava, Budapest, Portoroz, Dubrovnik, and Prague this year you have chosen Graz as the venue for your sixth congress.

I hope your congress will be a success, one that brings you numerous new encounters and experiences. While you are here, I would also like to encourage you to take advantage of the opportunity to visit our historic city centre as well as the House of Art (Kunsthaus) and the Island in the Mur (Murinsel) - two of the most interesting projects of modern architecture and symbols of the Cultural Capital Graz.

A cordial welcome to Graz!

Yours sincerely,

**Siegfried Nagl**  
Mayor of Graz, the capital of the Province of Styria

## Welcoming Addresses

It is an honour and a privilege for me to open the highly renowned **"6th Central European Orthopaedic Congress"** and to welcome numerous experts from Austria and abroad to the City of Graz. Like previous congresses, this year's event again offers an extremely varied programme, ranging from expert presentations to a comprehensive industry exhibition.

Within the field of health care, orthopaedics will have to meet particularly demanding tasks in the years to come: as life expectancy increases, new challenges are arising and innovative strategies are called for, especially as regards hip and knee prostheses. The Department of Orthopaedics of the Graz University Hospital is among the most advanced and forward-looking medical institutions of its kind.

Experts from all over the world will gather in Graz from 31 May to 3 June to exchange experience and share their knowledge. Hence, I should like to wish the organisers and the participants a successful congress with interesting and productive discussions.

**Gerhard Franz Walter**  
Rector of the Medical University of Graz

## Welcoming Addresses

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Dear Colleagues,

on behalf of the Austrian Society of Orthopaedics it is a great pleasure and honour for me to invite you as president of the CEOC to Graz after previous highly successful meetings in Bratislava 1996, Budapest 1998, Portoroz 2000, Dubrovnik 2002 and Prague 2004. The topics for this meeting have been well selected in order to guarantee an interesting and stimulating discussion and will be addressed by 21 keynote lectures as well as, 154 oral and 42 poster presentations.

Minimal invasive techniques in endoprosthetic replacement has caused wide attention within our community while several concerns have been raised during the last years. The discussion about experience and results with these techniques will help us to come to a more evidence based approach or at least consensus about these methods.

In contrast to MIS techniques revision of total knee arthroplasty still has to be done via a conventional approach. Despite significant progress in prosthetic design the outcome after these revisions do not compare to revision total hip arthroplasty. Reasons and possible solutions for improvement will be discussed extensively.

Innovative techniques regarding cartilage repair have been published extensively and presented at a variety of meetings. Despite the sophisticated approach the economical pressure will favour solutions which are practical and applicable in the present medicare situations. This topic should provide an update on the validity of different current techniques.

Treatment of bone metastases has been performed successfully in a rather standardized way for many years, however with introduction of minimal invasive techniques several modifications in the strategy of treatment have been introduced which should be compared to standard palliative procedures in this group of patients, for whom life quality and minimal invasiveness should have priority at all.

I would like to wish you a pleasant stay here in Graz and hope that despite this intensive program you will find some minutes to enjoy the unique atmosphere of this city.

Reinhard Windhager  
Congress President

## Committees

### Congress president:

Reinhard Windhager (Graz, Austria)

### Congress secretary:

Andreas Leithner (Graz, Austria)

### Scientific committee:

Christian Aigner (Graz, Austria)

Nikolaus Böhler (Linz, Austria)

Ulrich Dorn (Salzburg, Austria)

Alfred Engel (Vienna, Austria)

Florian Gottsauner-Wolf (Krems, Austria)

Reinhard Graf (Stolzalpe, Austria)

Karl Knahr (Vienna, Austria)

Rainer Kotz (Vienna, Austria)

Martin Krismer (Innsbruck, Austria)

Andreas Leithner (Graz, Austria)

Stefan Nehrer (Krems, Austria)

Roman Radl (Graz, Austria)

Peter Ritschl (Vienna, Austria)

Karl Zweymüller (Vienna, Austria)

### Local organizing committee:

Christian Aigner (Graz, Austria)

Sigrun Egner (Graz, Austria)

Reinhard Jeserschek (Graz, Austria)

Norbert Kastner (Graz, Austria)

Andreas Leithner (Graz, Austria)

Michael Pechmann (Graz, Austria)

Roman Radl (Graz, Austria)

### Organizer:

ÖGO: Austrian Society of Orthopaedics and  
Orthopaedic Surgery

### Under the auspices of:

Medical University Graz

EFORT: European Federation of National  
Associations of Orthopaedics  
and Traumatology

### Under the patronage of:

Franz Voves

Governor of the province of Styria

Siegfried Nagl

Mayor of the city of Graz

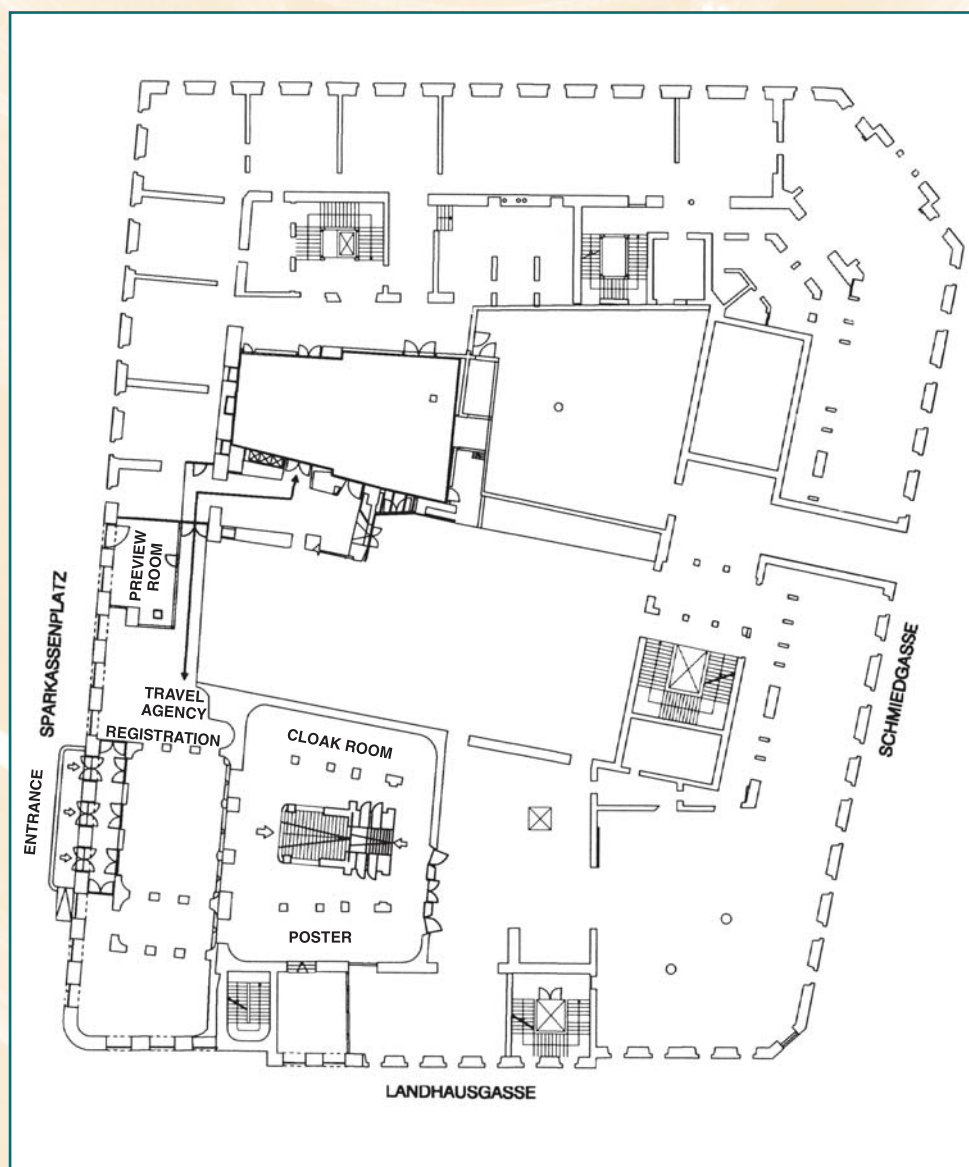
Gerhard Franz Walter

President of the Medical University Graz

## Map of the Congress Venue

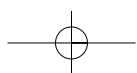
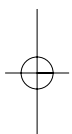
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### Ground Floor



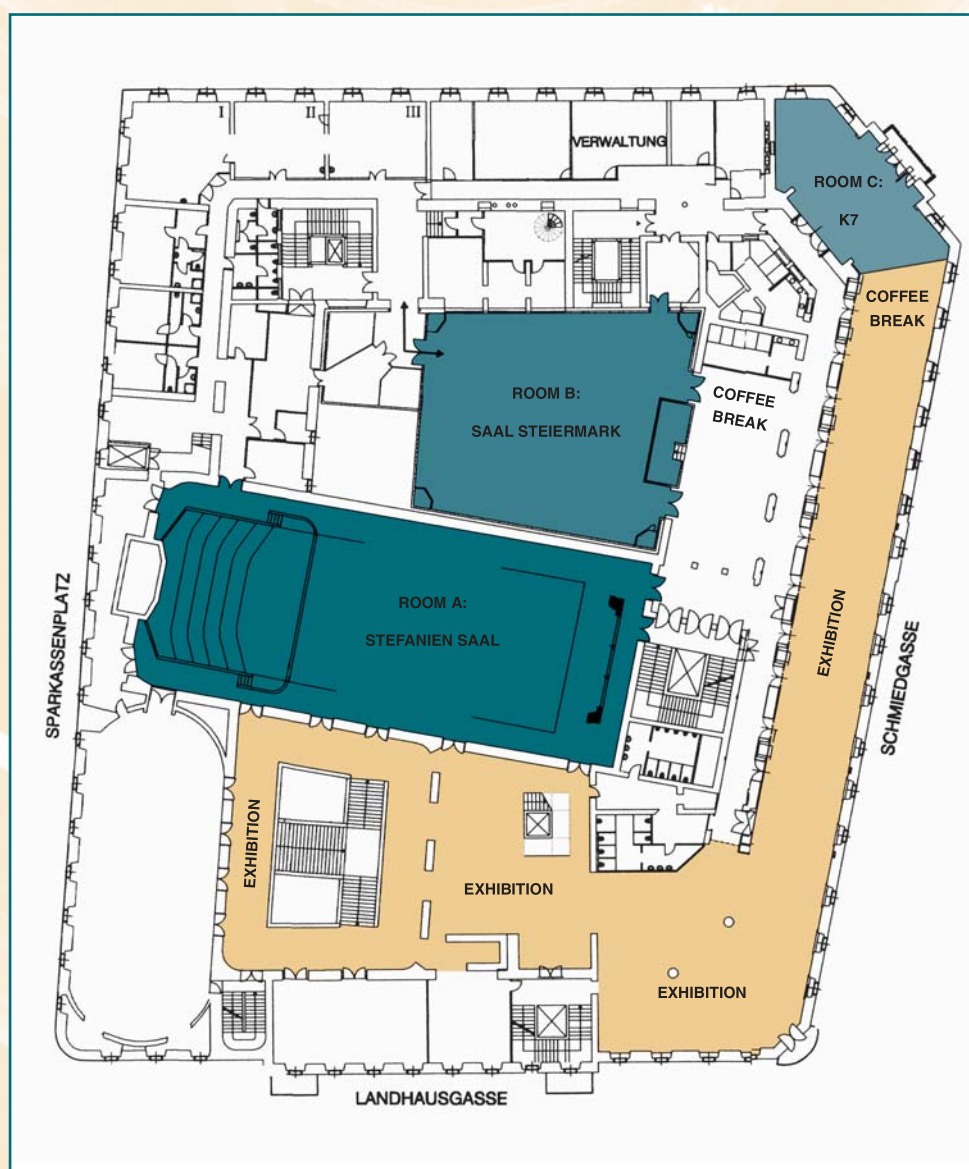
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# Map of the Congress Venue

## First Floor



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## Programme at a Glance

### THURSDAY, June 01, 2006

	Room A: Stefaniensaal	Room B: Saal Steiermark	Room C: K7
09:00–10:30	01 MIS / Hip 1	02 Free Papers: Fractures - Lower Extremity	03 Free Papers: Tumor
10:30–11:00	Coffee Break	Coffee Break	Coffee Break
11:00–12:30	04 Opening Ceremony	05 Free Papers: Fractures - Upper Extremity	
12:30–14:00	Lunch Break	Lunch Break	06 Workshop JOHNSON & JOHNSON
14:00–15:30	07 MIS - Hip 2	08 Endoprosthetic Replacement in Different Social Systems	09 Free Papers: Shoulder/Ligaments
15:30–16:00	Coffee Break	Coffee Break	Coffee Break
16:00–17:30	10 MIS-Hip 3	11 Free Papers: Primary TKA and Navigations	12 Free Papers: Varia

Notes:

## Programme at a Glance

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### FRIDAY, June 02, 2006

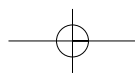
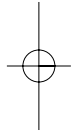
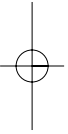
	Room A: Stefaniensaal	Room B: Saal Steiermark	Room C: K7
09:00–10:30	13 MIS / Knee 1	14 Cartilage Repair (Osteochondr. Transplantation)	15 Workshop STRYKER
10:30–11:00	Coffee Break	Coffee Break	Coffee Break
11:00–12:30	16 European Arthroplasty Register	17 Satellite Symposium ZIMMER	18 Workshop ARTHRO-KINETICS
12:30–14:00	Lunch Break		Workshop CERAMTEC
14:00–15:30	19 MIS-Knee 2	20 Cartilage Repair (ACI)	21 Free Papers: Spine
15:30–16:00	Coffee Break	Coffee Break	Coffee Break
16:00–17:30	22 Revision TKA (Aseptic Loosening - Bone Defects)	23 Cartilage Repair (Future Trends)	24 POSTER Session

### SATURDAY, June 03, 2006

	Room A: Stefaniensaal	Room B: Saal Steiermark	Room C: K7
09:00–10:30	25 Revision TKA (Instability)	26 Bone Metastases 1	27 Free Papers: Hip
10:30–11:00	Coffee Break	Coffee Break	Coffee Break
11:00–12:30	28 Revision TKA (Infection)	29 Bone Metastases 2	30 Free Papers: Primary THA

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**Thursday, June 01, 2006**

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**9:00 - 10:30**

**Room A: Stefaniensaal**

**01 MIS / Hip 1**

Chairperson: K. Knahr (Vienna, Austria)  
R. Kotz (Vienna, Austria)

**Keynote Lectures - Minimal invasive total hip arthroplasty**

**001** Anterior approach (prone position)  
*M. Krismer (Innsbruck, Austria)*

**002** Anterior approach (lateral position)  
*M. Michel (Münsingen, Switzerland)*

**003** Anterolateral approach  
*R. Hube (Munich, Germany)*

**004** Posterior approach  
*F. Kerschbaumer (Frankfurt, Germany)*

**005** Two incision approach  
*L. Hangody (Budapest, Hungary)*

*Notes:*

**02 Free Papers: Fracture Lower Extremity**

Chairperson: M. Jelic (Zagreb, Croatia)  
Ch. Tschauer (Bolzano, Italy)

**006** High energy tibial plateau fractures treated with minimal internal fixation augmented by small wire external fixation frames. Knee recovery at 7 years follow up  
*D. L. Katsenis<sup>1</sup>, A. K. Kouris<sup>1</sup>, N. K. Schoinochoritis<sup>1</sup>, V. Karavas<sup>1</sup>, M. Drakoulakis<sup>2</sup>, K. S. Pogiatzis<sup>1</sup>;*

*<sup>1</sup>Argos General Hospital, Argos, Greece, <sup>2</sup>Voula General Hospital, Athens, Greece.*

**007** A new technique for arthroscopic assisted percutaneous operative management of closed tibial plateau fractures. A pilot study  
*M. Hexel<sup>1</sup>, S. Becker<sup>1</sup>, C. Fialka<sup>2</sup>, A. Chavanne<sup>1</sup>, C. Wurnig<sup>1</sup>, F. Landsiedl<sup>1</sup>;*  
*<sup>1</sup>Orthopedic Hospital Vienna Speising, Vienna, Austria, <sup>2</sup>Dep. of Traumatology, Medical University Vienna, Austria.*

**008** Indications, results and complications using unilateral external fixation for the treatment of tibial fractures without bone defects  
*M. Beltsios, N. Giannakakis, O. Savvidou, C. Gatos, D. Segos;*  
*Thriassion, Elefsis, Greece.*

**009** Comparison study of high energy tibial pilon fractures treated with internal or external fixation  
*A. K. Kouris<sup>1</sup>, D. L. Katsenis<sup>1</sup>, V. Karavas<sup>1</sup>, N. K. Schoinochoritis<sup>1</sup>, M. Drakoulakis<sup>2</sup>, K. S. Pogiatzis<sup>1</sup>;*

*<sup>1</sup>Argos General Hospital, Argos, Greece, <sup>2</sup>Voula General Hospital, Athens, Greece.*

**010** Treatment of gunshot injuries of the lower limbs by Ilizarov Fixateur  
*A. Skuginna<sup>1</sup>, B. Akhedov<sup>2</sup>, A. Ataev<sup>2</sup>, A. Pavlov<sup>1</sup>;*  
*<sup>1</sup>St. Elisabeth Hospital Beckum, Beckum, Germany, <sup>2</sup>Dr. Abdulkader Almutawakel Hospital, Sana'a, Yemen.*

**011** Management of tibial non-unions using Ilizarov frames : Comparing acute shortening and bone transport techniques  
*P. Konala; Princess Alexandra Hospital, Harlow, United Kingdom.*

**012** Osteosynthesis of fractured femurs by reamed intramedullary AO nail  
*M. J. Frketic, T. T. Prodanovski;*  
*Clinical hospital Dubrava, Zagreb, Croatia.*

**013** Systemic Effects of Two Methods of Fixation of Intertrochanteric Fractures  
*D. Berettas, P. Yfandithis, K. Kazakos, C. Staikos, K. Xarchas, C. Hatzipappas, V. Galanis; Democritus University of Thrace, Alexandroupolis, Greece.*

Thursday, June 01, 2006

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9:00 - 10:30

Room C: K7

### 03 Free Papers: Tumor

Chairperson: A. Leithner (Graz, Austria)  
Z. Matejovsky (Prague, Czech Republic)

#### 014 Bone tumors 1990-2004

*M. Ponikvar, B. Baebler, J. Kurnik; Ortopedska klinika, Ljubljana, Slovenia.*

#### 015 Survival trends in osteosarcoma of humerus

*R. Shenoy, A. Pillai, R. Reid, P. Tansey;  
North Glasgow University Hospital, Glasgow, United Kingdom.*

#### 016 Percutaneous CT-guided radiofrequency ablation of Osteoid Osteoma: comparison of an old to a new method

*C. Dohnalek<sup>1</sup>, J. Berka<sup>1</sup>, C. Grethen<sup>1</sup>, R. Forstner<sup>2</sup>, U. Dorn<sup>1</sup>;  
<sup>1</sup>Departement of Orthopedics, Salzburg, Austria, <sup>2</sup>Departement of Radiology,  
Salzburg, Austria.*

#### 017 First clinical observations of a new modular spacer-system for the bridging of diaphyseal bone defects

*G. Lob<sup>1</sup>, T. Lob<sup>2</sup>; <sup>1</sup>University Hospital, Munich, Germany, <sup>2</sup>University Hospital, Leipzig, Germany.*

#### 018 Analysis of PDGF and PDGFR and gene mutations in desmoid tumors: Potential therapeutic options

*B. Liegl<sup>1</sup>, A. Leithner<sup>2</sup>, T. Bauernhofer<sup>3</sup>, R. Windhager<sup>4</sup>, C. Güllly<sup>1</sup>, S. Regauer<sup>1</sup>, A. Beham<sup>1</sup>;  
<sup>1</sup>Institute of Pathology, Medical University Graz, Graz, Austria, <sup>2</sup>Department of  
Orthopaedic Surgery, Medical University Graz, Graz, Austria, <sup>3</sup>Division of  
Oncology, Department of Medicine, Medical University Graz, Graz, Austria,  
<sup>4</sup>Department of Orthopedic Surgery, Medical University Graz, Graz, Austria.*

#### 019 Ectopic ossification prevention by meloxicam, an experimental study in rabbits

*P. Tsailas, G. C. Babis, K. Nikolopoulos, P. Nikiforides;  
1st Orthopaedic Department University of Athens, KAT Hospital, Kifisia, Greece.*

#### 020 Ectopic ossification prevention by parecoxib, an experimental study in rabbits

*P. Tsailas, G. C. Babis, K. Nikolopoulos, P. Nikiforides;  
1st Orthopaedic Department University of Athens, KAT Hospital, Kifisia, Greece.*

#### 021 Our experiences in using autogenous growth factors in the treatment of bone healing disturbances

*T. Bielecki<sup>1</sup>, T. Gazdzik<sup>1</sup>, A. Cieslik-Bielecka<sup>2</sup>;  
<sup>1</sup>Department and Clinic of Orthopaedics, Medical University of Silesia, Sosnowiec,  
Poland, <sup>2</sup> Department and Clinic of Oral and Maxillofacial Surgery, Medical  
University of Silesia, Zabrze, Poland.*

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**Thursday, June 01, 2006**

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**11:00 - 12:30**

**Room A: Stefaniensaal**

## **04 Opening Ceremony**

### **Welcoming Addresses:**

Reinhard Windhager (Graz, Austria)  
*Congress President*

Gerhard Franz Walter (Graz, Austria)  
*Rector of the Medical University of Graz*

Peter Ritschl (Vienna, Austria)  
*President of the Austrian Orthopaedic Society*

### **Awarding Ceremony:**

#### **Former CEOC Presidents:**

Martin Krbec (Brno, Czech Republic)  
Frantisek Makai (Bratislava, Slovakia)  
Vinko Pavlovic (Ljubljana, Slovenia)  
Marko Pecina (Zagreb, Croatia)  
Tibor Vizkelety (Budapest, Hungary)

### **Presidential Guest Lecture:**

Europe - Laboratory of the 21st Century  
*Erhard Busek (Vienna, Austria)*

**05 Free Papers: Fractures - Upper Extremity**

Chairperson: V. Frič (Prague, Czech Republic)  
W. Seggl (Graz, Austria)

**022** Simple method of reduction and stabilization for subcapital humeral fractures

*J. E. Vlachos; Henry Dunant Hospital, Athens, Greece.*

**023** Incidence & risk factors of non-union in diaphyseal humeral fractures

*K. C. Cheng, A. Christie, R. Venner;  
Inverclyde Hospital, Greenock, United Kingdom.*

**024** Rational treatment of the supracondylar humeral fractures at children

*V. F. Kuksov; Pirogov City Hospital, Samara, Russian Federation.*

**025** Long-Term-Follow-Up after reconstruction of the brachial artery in cases of distal fractures of the humerus in childhood

*P. Konstantiniuk<sup>1</sup>, G. Fritz<sup>2</sup>, T. Ott<sup>1</sup>, U. Gratzner<sup>1</sup>, M. Hessinger<sup>1</sup>, K. Tiesenhausen<sup>1</sup>, T. Cohnert<sup>1</sup>;*

*<sup>1</sup>Department of vascular surgery, Graz, Austria, <sup>2</sup>Department of Radiology, Graz, Austria.*

**026** Gap index - A good predictor of failure of plaster cast in distal third radius fractures (withdrawn)

*A. Malviya, D. Tsintzas, C. Bache, P. Glithero, P. Gibbons;  
Birmingham Children's Hospital, Birmingham, United Kingdom.*

**027** The Ulnarcarpale Impaction Syndrom: Surgical management using ulnar-shortening osteotomy

*M. Hexel, M. Chochole, C. Krasny, M. Wlk, F. Landsiedl;  
Orthopaedic Hospital Vienna Speising, Vienna, Austria.*

**028** Scaphoid fractures- Variation in radiographic views

*R. Shenoy<sup>1</sup>, A. Pillai<sup>1</sup>, M. El- Hadid<sup>2</sup>;*

*<sup>1</sup>North Glasgow University Hospital, Glasgow, United Kingdom, <sup>2</sup>Wishaw General Hospital, Wishaw, Lanarkshire, United Kingdom.*

**029** Mini orthofix: External fixation for metacarpal fractures

*N. Schoinochoritis, D. Katsenis, A. Koyris, E. Karavas, C. Pogiatis, P. Nikolarakos, P. Tselfes;*

*Orthopaedic Department, Argos General Hospital, Argos, Greece.*

**Thursday, June 01, 2006**

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**12:30 - 14:00**

**Room C: K7**

**06 Workshop DePuy JOHNSON & JOHNSON**

Hip Surface Replacement - 4th Generation and Navigation  
*M. Bhamra (Rotherham, UK)*

*Notes:*

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## Inserat

Thursday, June 01, 2006

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14:00 - 15:30

Room A: Stefaniensaal

## 07 MIS - Hip 2

Chairperson: U. Dorn (Salzburg, Austria)  
R. Graf (Stolzalpe, Austria)

**030** Is there a benefit from minimally invasive total hip arthroplasty via direct anterior approach?

*F. Rachbauer<sup>1</sup>, R. Rosiek<sup>1</sup>, O. Kessler<sup>2</sup>, M. Nogler<sup>1</sup>, M. Krismer<sup>1</sup>;*

*<sup>1</sup>Universitätsklinik für Orthopädie, Innsbruck, Austria, <sup>2</sup>not affiliated, Zürich, Switzerland.*

**031** Minimal invasive total hip arthroplasty- single and two incision technique

*S. Berki<sup>1</sup>, H. Magyar<sup>2</sup>, M. Kegyes<sup>1</sup>, T. Kiss<sup>1</sup>;*

*<sup>1</sup>Department of Trauma and Reconstructive Bone&Joint Surgery, Szentes, Hungary, <sup>2</sup>Department of Anaesthesiology, Szentes, Hungary.*

**032** Experience after 500 THR with the minimally invasive anterolateral approach in supine position- How to start with it

*G. Pflueger, S. Junk-Jantsch, V. Schöll;*

*Evangelisches Krankenhaus, Vienna, Austria.*

**033** Radiological evaluation in the cases of the one incision minimal invasive THR

*L. Bucsi, Z. Kandár;*

*St. George County Hospital, Székesfehérvár, Hungary.*

**034** Minimal invasive total hip arthroplasty

*M. Azizbaig-Mohajer, R. Graf;*

*General and Orthopaedic Hospital, Stolzalpe, Austria.*

**035** Our Experience with Minimally Invasive THR

*T. Trc, P. Chladek, M. Handl, J. Nemec;*

*Orthopaedic Clinic, 2nd Medical School,, Prague, Czech Republic.*

**036** Direct lateral mini approach in hip arthroplasty

*P. S. Kinov, D. I. Bukarev, V. I. Dimov, K. L. Kazakov, P. N. Tivchev;*

*Medical University of Sofia, Sofia, Bulgaria.*

**037** Minimal Invasive Surgery - Arthroplasty Register Datasets and Scientific Evidence

*C. W. Thaler<sup>1</sup>, G. Labek<sup>1</sup>, M. Krismer<sup>1</sup>, N. Böhler<sup>2</sup>;*

*<sup>1</sup>Orthopaedic Department, Innsbruck, Austria, <sup>2</sup>Orthopaedic Department, AKH Linz, Linz, Austria.*

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**Thursday, June 01, 2006**

**14:00 - 15:30**

**Room B: Saal Steiermark**

## **08 Endoprosthetic Replacement in Different Social Systems**

**Chairperson:** M. Salzer (Vienna, Austria)  
R. Windhager (Graz, Austria)

### **Contents:**

- Frequency of endoprosthetic replacement (hip - knee)
- Payment for endoprosthetic replacement (public - private)
- Selection of patients
- Average costs
- Frequency of cemented and cementless implants
- Suggestions for improvements and demands

### **Speakers:**

- 038** Reinhard Windhager (Graz, Austria)
- 039** Vladimir Frič (Prague, Czech Republic)
- 040** Jozef Vojtassak (Bratislava, Slovakia)
- 041** Ferenc Mády (Budapest, Hungary)
- 042** Vinko Pavlovic (Ljubljana, Slovenia)
- 043** Dubravko Orlic (Zagreb, Croatia)
- 044** Ismet Gavrankapetanovic (Sarajevo, Bosnia Herzegowina)

Thursday, June 01, 2006

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14:00 - 15:30

Room C: K7

## 09 Free Papers: Shoulder/Ligaments

Chairperson: Th. Trc (Prague, Czech Republic)  
Ch. Wurnig (Vienna, Austria)

**045** Infection after arthroscopically assisted mini open repair of the rotator cuff  
*R. Kluger, A. Engel; SMZOst Donauspital, Vienna, Austria.*

**046** Local anaesthetic infusion with elastomeric pump after arthroscopic subacromial decompression (withdrawn)  
*K. J. Little, A. Pillai, U. G. Fazzi, N. Storey; Western Infirmary, Glasgow, United Kingdom.*

**047** Reversed shoulder protheses in patients shorter than 165 cm a problem?  
*A. Pokorny; Vienna, Austria.*

**048** Shoulder arthroplasty-the method of the treatment proximal humeral fractures  
*J. Matisons, V. Zatlars; Hospital of Traumatology and Orthopaedics, Riga, Latvia.*

**049** Accuracy of kinematic navigation in ACL reconstruction surgery  
*R. Hart, J. Losak, V. Stipcak, B. Kucera; Znojmo General Hospital, Znojmo, Czech Republic.*

**050** Thermodynamic analysis of the cruciate ligaments in the osteoarthritic knee  
*P. Than<sup>1</sup>, V. Halmaj<sup>1</sup>, L. Kereska<sup>2</sup>, D. Lörinczy<sup>3</sup>;*  
*<sup>1</sup>Department of Orthopedics, University of Pécs, Pécs, Hungary, <sup>2</sup>Department of Pathology, University of Pécs, Pécs, Hungary, <sup>3</sup>Department of Biophysics, University of Pécs, Pécs, Hungary.*

**051** Condition of Achillis tendon in high level sport players after surgical procedure with open and percutaneous methods evaluated with isokinetic dynamometer

*F. Cukelj<sup>1</sup>, D. Pivalica<sup>1</sup>, F. Fiorentini<sup>2</sup>;*  
*<sup>1</sup>KB Split, Split, Croatia, <sup>2</sup>HNK Hajduk, Split, Croatia.*

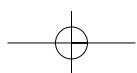
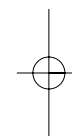
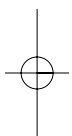
**052** Boundary conditions in tendon-bone healing  
*C. Dynybil; Center for Musculoskeletal Surgery, Berlin, Germany.*

**053** The effect of cyclooxygenase-2-inhibitors on tendon-to-bone healing using soft tissue autografts in a rabbit model of acl reconstruction

*C. Dynybil, K. Roth, C. Perka;*  
*Center for Musculoskeletal Surgery, Berlin, Germany.*

# Seite 24

## Inserat



Thursday, June 01, 2006

25

16:00 - 17:30

Room A: Stefaniensaal

### 10 MIS-Hip 3

Chairperson: M. Krismer (Innsbruck, Austria)  
I. Udvarhelyi (Budapest, Hungary)

**054** The comparison study of the one incision minimal invasive posterior approach and the anterolateral approach in total hip replacement  
*G. Sarvari, S. Gaspar, Z. Kiraly;*  
*Central Military Hospital, Trauma and Orthopaedics Department, Budapest, Hungary.*

**055** Mini-incision anterolateral approach for total hip arthroplasty  
*V. Pavlovic; University Medical Centre, Ljubljana, Slovenia.*

**056** What MIS hip technique should we use. Two year follow up of 350 two-incision minimally invasive total hip replacement  
*I. Udvarhelyi, L. Hangody;*  
*Uzsoki Hospital, Budapest, Hungary.*

**057** Anterior muscle sparing „Minimally Invasive“ THR  
*P. Studers<sup>1</sup>, M. Zambrans<sup>1</sup>, K. Krastins<sup>1</sup>, K. Keggi<sup>2</sup>;*  
*<sup>1</sup>Hospital of Traumatology and Orthopedics, Riga, Latvia, <sup>2</sup>Yale University, Waterbury, CT, United States.*

**058** The anterior minimal invasive approach on a modified trauma table in hip arthroplasty  
*M. Memminger<sup>1</sup>, R. Bisson<sup>2</sup>;*  
*<sup>1</sup>Traumatology Hospital Piacenza, Piacenza, Italy, <sup>2</sup>Orthopaedic Department, Hospital Castelfranco Veneto, Italy.*

**059** AMIS in THR - from learning to practicing  
*A. Jakovljevic<sup>1</sup>, P. Grubor<sup>1</sup>, C. Freuler<sup>2</sup>, N. Bojic<sup>1</sup>;*  
*<sup>1</sup>Clinic of orthopaedic surgery and traumatology, Banja Luka, Republic of Srpska, Bosnia and Herzegovina, <sup>2</sup>Civico Hospital, Lugano, Switzerland.*

**060** Hip hemiarthroplasty with minimal invasive surgery  
*M. Beltsios, N. Giannakakis, C. Gatos, O. Savvidou, N. Mouzakis;*  
*Thriassion, Elefsis, Greece.*

**061** Minimal invasive surgery (MIS) of trochanteric fractures using intramedullary hip screw (IMHS). Results and complications  
*M. Beltsios, N. Giannakakis, C. Gatos, O. Savvidou, M. Malakasis;*  
*Thriassion, Elefsis, Greece.*

26

**Thursday, June 01, 2006**

**16:00 - 17:30**

**Room B: Saal Steiermark**

**11 Free Papers: Primary TKA and Navigations**

**Chairperson:** S. Hofmann (Stolzalpe, Austria)  
W. Schwägerl (Vienna, Austria)

**062** Computer assisted total knee arthroplasty following posttraumatic arthritis with regards to history of osteitis

*U. Böhling, J. Scholz;*

*HELIOS Klinik Emil von Behring, Berlin, Germany.*

**063** Clinical and radiological results of computer-assisted navigation in TKA

*T. Czurda, F. Gruber, R. Fuiko, P. Ritschl;*

*Orthopädisches Krankenhaus Gersthof, Wien, Austria.*

**064** The concept of navigated ligament balancing during total knee arthroplasty

*F. Machacek, R. Fuiko, P. Ritschl;*

*Orthopädisches Krankenhaus Gersthof, Wien, Austria.*

**065** Exact tibio-femoral axis correction after computer-guided open-wedge high tibial osteotomy

*J. Losak, R. Hart, V. Stipcak, B. Kucera;*

*Znojmo General Hospital, Znojmo, Czech Republic.*

**066** Ligament balancing in severe valgus knee replacement - soft-tissue or bone surgery?

*P. Vavron;*

*Orthopädische Abteilung, St.Johann in Tirol, Austria.*

**067** Patella resection arthroplasty in primary total knee replacement

*P. Domos, P. Than, A. Bellyei;*

*MD, Pecs, Hungary.*

**068** Arthroplasty registers in knee replacements

*K. Sekyra, M. Krismer, G. Labek;*

*Univ.Klinik, Innsbruck, Austria.*

**069** Factors determining blood transfusion in patients undergoing total knee arthroplasty: cross-match or group and save?

*A. Christie, K. C. Cheng, C. Dreghorn;*

*Victoria Infirmary, Glasgow, United Kingdom.*

Thursday, June 01, 2006

27

16:00 - 17:30

Room C: K7

## 12 Free Papers: Varia

Chairperson: N. Kastner (Graz, Austria)  
V. Saraph (Graz, Austria)

**070** Validation of the multiplier method for the leg length discrepancy prediction in knee epiphysodesis

*B. Mavcic, P. Kuhar, M. Lunder, N. Berden, V. Antolic;  
Department of Orthopaedic Surgery, University Medical Center Ljubljana, Ljubljana, Slovenia.*

**071** The use of botulinum type A in 52 children with cerebral palsy

*S. Roth, A. Sasso, A. Stosic, J. Zec;  
KBC Rijeka, Rijeka, Croatia.*

**072** Minimal invasive calcaneo stop method in cases of pes planovalgus in childhood with canulated titan implant

*S. Roth;  
KBC Rijeka, Rijeka, Croatia.*

**073** Three cases of macrodystrophia lipomatosis in foot. Case presentation and review of literature

*N. Ramisetty, M. Greiss;  
West-Cumberland Hospital, Whitehaven, United Kingdom.*

**074** Lateral patellar compression syndrome (LPCS). The experience of our clinic in conservative and operative treatment

*K. Kateros, B. Sakellariou, I. Sofianos, L. Ioannou;  
Orthopaedic clinic, Levadia, Greece.*

**075** Arthroscopic lateral release in the treatment of patellofemoral disorders

*C. Rajasekhar, S. Radcliffe;  
Royal Lancaster Infirmary, Lancaster, United Kingdom.*

**076** Is occupation an aetiological factor in the development of symptomatic osteoarthritis of the wrist?

*C. Rajasekhar, I. Chakrabarti;  
Rotherham General Hospital, Rotherham, United Kingdom.*

**077** Should disease modifying antirheumatic drugs (DMARDs) be stopped before surgery? (withdrawn)

*A. Malviya<sup>1</sup>, B. Ashton<sup>2</sup>, J. Kuiper<sup>2</sup>, N. Makwana<sup>1</sup>, P. Laing<sup>1</sup>;  
<sup>1</sup>Rjah Oswestry Oswestry & Wrexham Maelor Hospital, Oswestry & Wrexham, United Kingdom, <sup>2</sup>Rjah Oswestry, Oswestry, United Kingdom.*

# Seite 28

## Inserat

**Friday, June 02, 2006**

29

**9:00 - 10:30**

**Room A: Stefaniensaal**

**13 MIS / Knee 1**

Chairperson: N. Böhler (Linz, Austria)  
P. Ritschl (Vienna, Austria)

**Keynote Lectures - Minimal invasive total knee arthroplasty**

**078** Standards in total knee arthroplasty  
*Ch.S. Ranawat (New York, USA)*

**079** Ligament balancing  
*N. Böhler (Linz, Austria)*

**080** Minimal invasive total knee arthroplasty  
*H.-P. Scharf (Mannheim, Deutschland)*

**081** Minimal invasive unicompartmental knee replacement  
*J.-N. Argenson (Marseille, France)*

*Notes:*

Friday, June 02, 2006

9:00 - 10:30

Room B: Saal Steiermark

## 14 Cartilage Repair (Osteochondr. Transplantation)

Chairperson: A. Engel (Vienna, Austria)  
L. Hangody (Budapest, Hungary)

**082** Keynote Lecture: Osteochondral Transplantation  
*L. Hangody (Budapest, Hungary)*

**083** Primary stability of osteochondral grafts used in mosaicplasty

*G. Kordas<sup>1</sup>, J. S. Szabo<sup>2</sup>, L. Hangody<sup>3</sup>;*

*<sup>1</sup>Clinic of Orthopaedics, Budapest, Hungary, <sup>2</sup>Budapest University of Technology and Economics Faculty of Mechanical Engineering Department of Polymer Engineering and Textile Technology, Budapest, Hungary, <sup>3</sup>Department Orthopaedics and Trauma, Uzsoki Hospital, Budapest, Hungary.*

**084** MegaOATS - a salvage technique for large osteochondral defects in young patients

*F. Dirisamer, C. Patsch, J. Hochreiter;  
St. Vincent Hospital Linz, Linz, Austria.*

**085** Improvement of the osteochondral autograft implantation technique to treat cartilage defects using hexagonal grafts

*A. Pascher, P. Golob, A. Leithner, R. Windhager;  
Department of Orthopaedics and Orthopaedic Surgery University Hospital Graz, Austria, Graz, Austria.*

**086** The importance of cartilage repair in osteochondritis dissecans - Long-term results

*J. Bruns<sup>1,2</sup>, M. Rayf<sup>1</sup>, J. Steinhagen<sup>3</sup>;*

*<sup>1</sup>Lehrstuhl f. Orthopädie, Hamburg, Germany, <sup>2</sup>University Hospital, Hamburg, Germany, <sup>3</sup>Dept. of Trauma, Hand & Reconstructive Surgery, University Hospital Hamburg, Germany.*

**087** Late results of operative treatment in juvenile osteochondritis dissecans

*S. K. Fokter, A. Strahovnik;  
Celje General Hospital, Dept. for Orthopaedics, Celje, Slovenia.*

**088** Potential effect of chondroitinsulfat on arthritis changed cartilage

*T. Trc<sup>1</sup>, M. Handl<sup>1</sup>, C. Povysil<sup>2</sup>, P. Korbelaar<sup>1</sup>;*

*<sup>1</sup>Orthopaedic Clinic, Prague, Czech Republic, <sup>2</sup>Institute of Pathology, Prague, Czech Republic.*

**Friday, June 02, 2006**

31

**9:00 - 10:30**

**Room C: K7**

**15 Workshop STRYKER**

Presentation of the DAA - Direct Anterior Approach

Clinical results of the Innsbruck study about the minimal invasive approach  
(modified Smith&Peterson approach)

Comparison of the results using the conventional approach according to Bauer  
*M. Krismer (Innsbruck, Austria)*

*Notes:*

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**Friday, June 02, 2006**

**11:00 - 12:30**

**Room A: Stefaniensaal**

## **16 European Arthroplasty Register**

Chairperson: **N. Böhler (Linz, Austria)**  
**G. Labek (Innsbruck, Austria)**

**089** Why and how to develop a National Arthroplasty Register?

*N. Böhler (Linz, Austria)*

**090** Arthroplasty Registers worldwide and cooperation

*G. Labek (Innsbruck, Austria)*

**091** Arthroplasty Registers from manufactures point of view

*M. Wagner (Brussels, Belgium)*

**092** The Austrian Hip Arthroplasty Register - Innovation in data collection

*R. Windhager (Graz, Austria)*

**093** Cervicocephalic Implants in Romania

*C. Stoica (Bucharest, Romania)*

**094** First Analyses from the Slovakian Arthroplasty Register

*L. Necas (Martin, Slovakia)*

**095** Retrieval Analyses in Cooperation with an Arthroplasty Register

*I. Milosev (Valdoftra, Slovenia)*

**096** Arthroplasty in the baltic states

*K. Runkele (Vilnius, Lithuania)*

**097** Highlight Results from worldwide Arthroplasty Register Publications

*C. Thaler (Innsbruck, Austria)*

**Friday, June 02, 2006**

33

**11:00 - 14:00**

**Room B: Saal Steiermark**

**17 Satellite Symposium ZIMMER**

**MIS™ Knee**

**Faculty:**

*J.N. Argenson (Marseille, France)*

*L. Hangody (Budapest, Hungary)*

*R. Hube (Munich, Germany)*

*S. Hofmann (Stolzalpe, Austria)*

*I. Udvarhelyi (Budapest, Hungary)*

**Followed by lunch**

**Notes:**

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**Friday, June 02, 2006**

**11:00 - 12:30**

**Room C: K7**

**18 Workshop ARTHRO-KINETICS**

**CaReS®** - modern technology of the cartilage reconstruction  
OP technology and results from the application with CaReS ®  
*St. Nehrer (Krems, Austria)*

*Notes:*

Friday, June 02, 2006

35

12:30 - 14:00

Room C: K7

## Workshop CERAMTEC

### WEAR OF HIP PROSTHESES

Influence of material and head size

*J. Fischer (Leeds, UK)*

Current status on long term reliability and large wear couple advantages of using ceramic components in total hip replacement surgery

*M. Dietrich (Plochingern, Germany), P. Merkert (Plochingen, Germany)*

Clinical experience with ceramic articulation in total hip replacement

*K. Knahr (Vienna, Austria)*

Notes:

**Friday, June 02, 2006**

**14:00 - 15:30**

**Room A: Stefaniensaal**

**19 MIS-Knee 2**

**Chairperson:** F. Gottsauner-Wolf (Krems, Austria)  
H.-P. Scharf (Mannheim, Austria)

**098** Minimally Invasive Surgery (MIS) techniques allow early rehabilitation in total knee arthroplasty (TKA)

*S. Hofmann, M. Pietsch, A. Vollmann, R. Graf;  
Orthopedic Dept., Stolzalpe, Austria.*

**099** Alignment in minimally invasive Total Knee Arthroplasty (TKA)

*S. Hofmann, O. Djahani, M. Pietsch, R. Graf;  
Orthopedic Dept., Stolzalpe, Austria.*

**100** Mini-Midvastus Incision (MMI) as a standard MIS approach for total knee arthroplasty (TKA)

*S. Hofmann, M. Pietsch, O. Djahani, R. Graf;  
Orthopedic Dept., Stolzalpe, Austria.*

**101** Navigated ligament balancing in MIS TKR - Method and first clinical application

*P. Ritschl<sup>1</sup>, F. Machacek<sup>1</sup>, R. Fuiko<sup>1</sup>, J. Stifter<sup>2</sup>;  
<sup>1</sup>Orthopädisches Krankenhaus Gersthof, Wien, Austria, <sup>2</sup>Plus Orthopedics, Aarau, Switzerland.*

**102** Minimally invasive total knee arthroplasty with computer assisted navigation

*Z. Bejek, L. Sólyom, M. Szendroi;  
Semmelweis University Budapest, Budapest, Hungary.*

**103** Computer-assisted minimally invasive total knee arthroplasty

*R. Hart, J. Losak, V. Stipcak, B. Kucera;  
Znojmo General Hospital, Znojmo, Czech Republic.*

**104** No mid-term difference between mini invasive and open medial parapatellar quadriceps splitting approach for unicompartmental knee arthroplasty

*V. Levanič, R. Trebnc, G. Furlanic, S. Fonda; Valdoltra Orthopaedic Hospital,  
6280 Ankaran, Slovenia.*

**105** Navigated Unicompartmental Knee-Replacement-Genesis-Accuris-System

*K. Buckup; Orthopädische Klinik, Klinikum Dortmund, Germany.*

**106** Cementless unicompartmental Kneearthroplasty, Mid / longterm results

*G. Bontemps, K. Brust;  
Fabricius Klinik, Remscheid, Germany.*

Friday, June 02, 2006

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14:00 - 15:30

Room B: Saal Steiermark

## 20 Cartilage Repair (ACI)

Chairperson: St. Nehrer (Vienna, Austria)  
M. Pecina (Zagreb, Croatia)

**107** Keynote Lecture: 18 years of experience with autologous chondrocyte transplantation

*L. Peterson (Frölunda, Sweden)*

**108** Keynote Lecture: Matrix associated chondrocyte implantation

*D. Radosavljevic (Ljubljana, Slovenia)*

**109** Treatment of cartilage defects with autologous chondrocyte implantation (Hyalograft C®) versus microfracture technique- a clinical retrospective comparative study

*R. Dorotka<sup>1</sup>, S. Domayer<sup>1</sup>, P. Buxbaumer<sup>1</sup>, K. D. Schatz<sup>1</sup>, R. Kotz<sup>1</sup>, S. Nehrer<sup>2,3</sup>;  
<sup>1</sup>Clinic of Orthopaedic Surgery; Medical University, Vienna, Austria, <sup>2</sup>Dep. of Orthopaedic Surgery, Krems, Austria, <sup>3</sup>Danube University, Krems, Austria.*

**110** Treatment of deep chondral defects in the knee with autologous chondrocytes fixed in a scaffold carrier form hyaluronic acid esters (Hyalograft C)

*Z. Matejovsky jr.<sup>1</sup>, A. Podskubka<sup>1</sup>, C. Povysil<sup>1</sup>, J. Sprindrich<sup>3</sup>;*

*<sup>1</sup>Orthopedic Clinic Teaching Hospital Bulovka, Prague, Czech Republic, <sup>2</sup>Institute of Pathologic Anatomy 1st Medical School Charles University, Prague, Czech Republic, <sup>3</sup>Clinic for Radiodiagnostics 3rd Medical School Charles University, Prague, Czech Republic.*

**111** Chondrocyte transplantation (CARES-Technology) with autologous bone transplantation for treatment of osteochondritis dissecans at the medial femoral condyle

*J. Bruns, J. P. Petersen, W. Ruether, J. Steinhagen;  
Lehrstuhl f. Orthopädie, Hamburg, Germany.*

**112** The treatment of the deep chondral defects of the joint cartilage by cultivated autologous chondrocytes

*M. Handl<sup>1</sup>, T. Trc<sup>1</sup>, M. Poulouva<sup>2</sup>, J. Neuwirth<sup>2</sup>, E. Stastny<sup>1</sup>, M. Hanus<sup>1</sup>,  
A. Chochola<sup>1</sup>;*

*<sup>1</sup>Orthopaedic Clinic, Prague, Czech Republic, <sup>2</sup>Radiologic Clinic, Prague, Czech Republic.*

**21 Free Papers: Spine**

Chairperson: P. Krepler (Vienna, Austria)  
R. Radl (Graz, Austria)

**113** The full-endoscopic operation of lumbar disc herniations using interlaminar and lateral transforaminal access

*M. Komp<sup>1</sup>, S. Ruetten<sup>1</sup>, G. Godolias<sup>2</sup>;*

*<sup>1</sup>Department of Spine Surgery and Pain Therapy, Center for Orthopaedics and Traumatology, St. Anna-Hospital Herne, Herne, Germany, <sup>2</sup>Center for Orthopaedics and Traumatology, St. Anna-Hospital Herne, Herne, Germany.*

**114** Operation of lumbar degenerative recess stenosis in interlaminar and lateral transforaminal full-endoscopic technique

*S. Ruetten<sup>1</sup>, M. Komp<sup>1</sup>, G. Godolias<sup>2</sup>;*

*<sup>1</sup>Department of Spine Surgery and Pain Therapy, Center for Orthopaedics and Traumatology, St. Anna-Hospital Herne, Herne, Germany, <sup>2</sup>Center for Orthopaedics and Traumatology, St. Anna-Hospital Herne, Herne, Germany.*

**115** Benefit of the total disc arthroplasty in the treatment of degenerative disc disease - indication and results after a follow-up period of 2 year

*J. Cienciala, M. Krbec, M. Marzálek;*

*Orthopaedic Department, Brno, Czech Republic.*

**116** Endoscopic anterior fracture stabilization of the thoracolumbar spine

*G. Pajenda, A. Obradovic, C. Gäbler, V. Vécsei;*

*University Clinic for Traumatology Vienna, Vienna, Austria.*

**117** Is there an indication for semirigid implants in lumbar spine surgery?

*W. Lack<sup>1</sup>, H. Blauensteiner<sup>2</sup>, R. Sabitzer<sup>1</sup>, M. Buchelt<sup>1</sup>, H. P. Kutschera<sup>1</sup>, K. Valenta<sup>1</sup>;*

*<sup>1</sup>Otto Wagner-Hospital, Orthopaedic Department, Vienna, Austria,*

*<sup>2</sup>Rudolfsstiftung, Departement of Neurosurgery, Vienna, Austria.*

**118** Do we need national guidelines for the management of low back pain?

*M. Friedrich;*

*Abteilung für Orthopädische Schmerztherapie, Wien, Austria.*

**119** The relaps of C6 exostosis in hereditary deforming dyschondroplasia

*E. Huraj, J. Lohnert;*

*University Children's Hospital Bratislava, Bratislava, Slovakia.*

**Friday, June 02, 2006**

39

**16:00 - 17:30**

**Room A: Stefaniensaal**

## **22 Revision TKA (Aseptic Loosening - Bone Defects)**

Chairperson: A. Giurea (Vienna, Austria)  
D. Orlic (Zagreb, Croatia)

**120** Keynote Lecture: Management of bone-loss in revision total knee arthroplasty  
*F. Gottsauner-Wolf (Krems, Austria)*

**121** Revision arthroplasty following the aseptic and septic loosening of the knee endoprosthesis

*M. Haspl;*

*Department of orthopaedics surgery School of medicine University of Zagreb, Zagreb, Croatia.*

**122** Preliminary results in knee arthroplasties performed for sterile loosening

*T. Lakatos, B. Major, D. Rácz, T. Gunther;*

*Polyclin. of Hosp. Broth. of St John of God, Budapest, Hungary.*

**123** Why do prosthesis fail: Analysis of 100 consecutive revision surgeries in total knee arthroplasties (TKA)

*S. Hofmann, J. Rachi, M. Pietsch, R. Graf;*

*Orthopedic Dept., Stolzalpe, Austria.*

**124** Keynote Lecture: Malrotation of components in TKA: Diagnosis and indication for revision

*S. Hofmann (Stolzalpe, Austria)*

**125** Isolated internal malrotation of the femoral component may cause early failure in total knee arthroplasty (TKA)

*M. Pietsch, S. Hofmann, R. Graf;*

*Orthopedic Dept., Stolzalpe, Austria.*

Friday, June 02, 2006

16:00 - 17:30

Room B: Saal Steiermark

### 23 Cartilage Repair (Future Trends)

Chairperson: M. Drobnic (Ljubljana, Slovenia)  
A. Pascher (Graz, Austria)

**126** Keynote Lecture: Biomaterials in chondrocyte implantation  
*S. Nehrer (Vienna, Austria)*

**127** Keynote Lecture: Growth factors in cartilage repair  
*M. Jelic (Zagreb, Croatia)*

**128** In vitro study of sheep meniscus cells seeded on two slightly different biomaterials made from hyaluronic acid and polycaprolactone  
*U. Koller<sup>1</sup>, C. Chiari-Grisar<sup>1</sup>, B. Kapeller<sup>2</sup>, P. Vavken<sup>1</sup>, L. Ambrosio<sup>3</sup>, E. Tognana<sup>4</sup>, R. Kotz<sup>1</sup>, S. Nehrer<sup>1</sup>;*

*<sup>1</sup>Medical University, Department of Orthopaedics, Vienna, Austria, <sup>2</sup>Medical University, Core Unit of Biomedical Research, Vienna, Austria, <sup>3</sup>University of Naples, IMCB-CNR, Naples, Italy, <sup>4</sup>Fidia Advanced Biopolymers s.r.l., Abano Terme, Italy.*

**129** A tissue engineering approach to meniscus regeneration in a sheep model  
*C. Chiari-Grisar<sup>1</sup>, U. Koller<sup>1</sup>, R. Dorotka<sup>1</sup>, R. Plasenzott<sup>2</sup>, E. Kon<sup>3</sup>, L. Ambrosio<sup>4</sup>, E. Tognana<sup>5</sup>, D. Salter<sup>6</sup>, S. Nehrer<sup>1</sup>;*

*<sup>1</sup>Medizinische Universität Wien, Universitätsklinik für Orthopädie, Wien, Austria, <sup>2</sup>Medizinische Universität Wien, Besondere Einrichtung für Biomedizinische Forschung, Wien, Austria, <sup>3</sup>Istituto Ortopedico Rizzoli, Bologna, Italy, <sup>4</sup>Institute of Composite and Biomedical Materials, (IMCB-CNR), Naples, Italy, <sup>5</sup>Fidia Advanced Biopolymers s.r.l., Abano Terme, Italy, <sup>6</sup>Department of Pathology, Edinburgh University Medical School, Edinburgh, Edinburgh, United Kingdom.*

**130** In situ gene therapy in cartilage repair  
*A. Pascher<sup>1</sup>, G. Palmer<sup>2</sup>, A. Steinert<sup>2</sup>, C. Evans<sup>2</sup>, R. Windhager<sup>1</sup>, S. Ghivizzani<sup>2</sup>;*  
*Department of Orthopaedic Surgery<sup>1</sup>, Medical University of Graz, Austria*  
*Center for Molecular Orthopaedics<sup>2</sup>, Harvard Medical School Boston MA, USA*

**131** The relationship between the in vivo measured cartilage stiffness and the histological stage of degeneration  
*I. Szerb, I. Pánics, L. Hangody;*  
*Uzsoki Hospital, Department of Orthopaedics, Budapest, Hungary.*

**132** Gene expression profiling and phenotypic properties of human mesenchymal stem cells (hMSCs) during ex-vivo expansion.

*G. Friedl<sup>1</sup>, B. Kulterer<sup>2</sup>, R. Windhager<sup>3</sup>, Z. Trajanoski<sup>4</sup>;*  
*<sup>1</sup>Dept. Orthopaedics and Orthopaedic Surgery, Graz, Austria, <sup>2</sup>Christian Doppler Laboratory for Genomics and Bioinformatics, University of Technology Graz, Austria, <sup>3</sup>Dept Orthopaedics and Orthopaedic Surgery, Graz, Austria, <sup>4</sup>Institute of Genomics and Bioinformatics, University of Technology Graz, Austria.*

**Friday, June 02, 2006**

41

**16:00 - 17:30**

**24 POSTER Session**

In the poster exhibition area on the ground floor.  
(For details see pages 48-53)

*Notes:*

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**Saturday, June 03, 2006**

**9:00 - 10:30**

**Room A: Stefaniensaal**

### **25 Revision TKA (Instability)**

Chairperson: P. Bösch (Wiener Neustadt, Austria)  
Ch.S. Ranawat (New York, USA)

**133** Keynote Lecture: Revision arthroplasty of the unstable knee  
*Ch.S. Ranawat (New York, USA)*

**134** Which way to go in knee revision: Semi- versus full-constrained knee prostheses

*A. Giurea, M. Schmidt, H. Zehetgruber, M. Pfeiffer, G. Fraberger, R. Kotz;*  
Medical University, Department of Orthopedics, Vienna, Austria.

**135** Indications for the LCCK total knee endoprosthesis

*D. Pramhas, K. Knahr;*  
*Orthopaedic Hospital Vienna-Speising, Vienna, Austria.*

**136** Revision arthroplasty of 52 malaligned total knee using LCCK NexGen system

*I. Udvarhelyi, I. Panics, B. Tácsik;*  
*Uzsoki Hospital, Budapest, Hungary.*

**137** Revision arthroplasty with Rotation hinge prosthesis (LINK)

*R. Kreuz-Brinker;*  
*Dep.Orth. Schwarzach/Bavaria, Schwarzach, Germany.*

**138** Tumor-REvision-MODular-System (TUREMOS), a constraint tumor and revision knee-prosthesis system with new anchoring system

*H. Richter, M. D. Cserhati;*  
*Praxis Cserhati-Richter, Zürich, Switzerland.*

**Saturday, June 03, 2006**

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**9:00 - 10:30**

**Room B: Saal Steiermark**

## **26 Bone Metastases 1**

**Chairperson:** R. Capanna (Florence, Italy)  
R. Kotz (Vienna, Austria)

**139 Keynote Lecture: Surgical management of bone metastases of the extremities**  
*R. Capanna (Florence, Italy)*

**140 Treatment of bone metastases from conventional clear cell renal carcinoma**  
*Z. Matejovsky jr., Z. Matejovsky, Z. Krystlik, I. Kofranek, C. Povysil;*  
*Orthopedic Clinic Teaching Hospital Bulovka, Prague, Czech Republic.*

**141 Treatment of pathologic fractures due to primary and secondary bone tumors**  
*M. Smerdelj, R. Kolundzic, M. Bergovec, D. Orlic;*  
*Department of Orthopaedic Surgery, Zagreb University School of Medicine and*  
*Clinical Hospital Centre Zagreb, Zagreb, Croatia.*

**142 Resection and reconstruction versus transfocal internal stabilization in the treatment of metastatic bone diseases**  
*J. Kiss;*  
*Semmelweis University Budapest, Budapest, Hungary.*

**143 Preventive osteosynthesis in case of multiple bone metastasis**  
*L. Várhelyi, G. Sárvári, S. Gáspár, L. Zsiros;*  
*Central Military Hospital, Budapest, Hungary.*

**144 Comparison of 2 different approaches in surgical treatment of pathologic femoral fractures - Traumatology versus orthopaedic oncology**  
*M. Zacherl, G. Gruber, T. Wieland, I. Wagner, A. Leithner, V. Vecsei,*  
*R. Windhager;*  
*Department of Orthopaedic Surgery I Medical University Graz, Graz, Austria.*

**145 The benefits of surgery in the treatment of pelvic metastases**  
*A. Giurea<sup>1</sup>, P. Ritschl<sup>1</sup>, R. Windhager<sup>1</sup>, A. Kaider<sup>2</sup>, U. Helwig<sup>1</sup>, R. Kotz<sup>1</sup>;*  
*<sup>1</sup>Department of Orthopedics, University of Vienna, Austria, <sup>2</sup>Department of*  
*Statistics, University of Vienna, Austria.*

**27 Free Papers: Hip**

Chairperson: S. Kramberger (Maribor, Slovenia)  
P. Zenz (Vienna, Austria)

**146** Opinions and practices relating to primary hip arthroplasty dislocation in the West of Scotland (withdrawn)

*K. J. Little, A. Pillai, M. P. Kelly;  
Western Infirmary, Glasgow, United Kingdom.*

**147** DDH - Adolescents and adults: Algorithm of triple pelvic osteotomy planning

*U. Dorn, D. R. Neumann;  
Orthopedic Clinic, Salzburg, Austria.*

**148** The long-term results of THR in young patients

*M. Synder, M. Drobniewski, M. Bira;  
Clinic of Orthopaedics and Pediatric Orthopaedics, Lodz, Poland.*

**149** Hip-resurfacing as a concept of operative treatment of osteoarthritis in young adults - results of short and middle range follow-up

*A. von Stockert, D. Sabo, R. Fischer;  
SRH Klinikum Karlsbad-Langensteinbach, Karlsbad, Germany.*

**150** Hip arthroplasty for osteochondritic coxa vara

*M. Brenner, M. Steindl, K. Zweymüller;  
2. Orthopädische Abteilung, OKH Gersthof, Wien, Austria.*

**151** Are two screws enough for the fixation of subcapital fractures of the neck of femur?

*K. C. Xarchas, C. Staikos, K. J. Kazakos, D. A. Verettas;  
Democritus University of Thrace, Alexandroupolis, Greece.*

**152** Intracapsular femoral neck fractures. Is internal fixation acceptable? (withdrawn)

*J. A. Vlamis<sup>1</sup>, J. A. Petroutsas<sup>1</sup>, G. Tzagkarakis<sup>1</sup>, P. J. Papagelopoulos<sup>2</sup>;  
<sup>1</sup>Henry Dunant Hospital, Athens, Greece, <sup>2</sup>Orthopaedic Department of Athens University, Athens, Greece.*

**153** Extended outpatient physiotherapy and outpatient rehabilitation of orthopedic and traumatic illnesses

*J. M. Peil;  
Central Association of Rehabilitation Centers, Bad Nauheim, Germany.*

**Saturday, June 03, 2006**

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**11:00 - 12:30**

**Room A: Stefaniensaal**

## **28 Revision TKA (Infection)**

Chairperson: Ch. Aigner (Graz, Austria)  
J.F. Lühr (Hamburg, Germany)

**154 Keynote Lecture: Management of infection of total knee arthroplasty**  
*J.F. Lühr (Hamburg, Germany)*

**155 Our results in total knee arthroplasty reimplantation following antibiotic spacer for infected knee prostheses**

*T. Gunther, D. Rácz, T. Lakatos;*  
*Polyclin. of Hosp. Broth. of St John of God, Budapest, Hungary.*

**156 2 - 5 years results in the treatment of infected total knee arthroplasty following two-stage revision with an antibiotic spacer prosthesis**

*S. Hofmann<sup>1</sup>, M. Pietsch<sup>1</sup>, C. Wenisch<sup>2</sup>, R. Graf<sup>1</sup>;*  
*<sup>1</sup>Orthopedic Dept., Stolzalpe, Austria, <sup>2</sup>Dept. of Internal Medicine, Division of Infectious Diseases, University of Graz, Austria, Graz, Austria.*

**157 Clinical outcome and quality of life after aseptic and septic revision knee arthroplasty**

*M. Hochegger, C. Aigner, A. Leithner, S. Egner-Hoebarth, R. Windhager;*  
*Department of Orthopaedic Surgery I Medical University Graz, Graz, Austria.*

**158 In vitro antibacterial activity of platelet gel rich in growth factors. A pilot study**

*T. Bielecki<sup>1</sup>, T. S. Gazdzik<sup>1</sup>, G. Ziolkowski<sup>2</sup>, M. Pomorska-Wesolowska<sup>2</sup>;*  
*<sup>1</sup>Department and Clinic of Orthopaedics, Medical University of Silesia, Sosnowiec, Poland, <sup>2</sup>Department of Medical Microbiology, District Hospital, Sosnowiec, Poland.*

**159 Revision of tumour endoprostheses around the knee joint - quality of life and number of revision surgeries**

*M. Hochegger, C. Aigner, A. Leithner, R. Windhager;*  
*Department of Orthopaedic Surgery I Medical University Graz, Graz, Austria.*

**160 Indication for one or two stage revision for infected TKA and alternative treatments**

*S. Egner-Höbarth, M. Hochegger, Ch. Aigner, R. Jeserschek, R. Windhager*  
*Department of Orthopaedic Surgery I Medical University Graz, Graz, Austria.*

## 29 Bone Metastases 2

Chairperson: Th. Leitha (Vienna, Austria)  
R. Windhager (Graz, Austria)

**161** Keynote Lecture: Surgical management of spinal metastases  
*R. Windhager (Graz, Austria)*

**162** Keynote Lecture: Radionuclide therapy of metastatic bone pain  
*Th. Leitha (Vienna, Austria)*

**163** Spinal metastases: evaluation of seven preoperative scoring systems  
*A. Leithner<sup>1</sup>, R. Radl<sup>1</sup>, G. Gruber<sup>1</sup>, M. Hochegger<sup>1</sup>, K. Leithner<sup>2</sup>, H. Welkerling<sup>3</sup>, R. Windhager<sup>1</sup>;*  
*<sup>1</sup>Department of Orthopaedic Surgery, Graz, Austria, <sup>2</sup>Department of Medicine, Division of Pulmonology, Graz, Austria, <sup>3</sup>Waldkrankenhaus St. Marien, Eerlangen, Germany.*

**164** Total spondylectomy in 20 Patients with solitary metastases of the spine  
*A. Zeh, A. Held, W. Hein, U. Muzzulini;*  
*Martin-Luther-University of Halle-Wittenberg, Department of Orthopedics, Halle/Saale, Germany.*

**165** Anterior surgery in spinal metastasis treatment  
*V. Z. Kovac;*  
*"Dubrava" University Hospital, Orthopaedic surgery, Zagreb, Croatia.*

**166** The 825C>T polymorphism of the G-protein beta-3 subunit gene (GNB3) as a parameter in the risk profiling for bone metastasis of breast cancer  
*H. Clar<sup>1</sup>, A. Leithner<sup>1</sup>, G. Gruber<sup>1</sup>, P. Krippel<sup>2</sup>, W. Renner<sup>3</sup>, R. Windhager<sup>1</sup>;*  
*<sup>1</sup>Department of Orthopaedic Surgery, Medical University Graz, Austria, Graz, Austria, <sup>2</sup>Department of Internal Medicine, Division of Oncology, Medical University of Graz, Graz, Austria, <sup>3</sup>Clinical Institute for Medical and Chemical Laboratory Diagnosis, Medical University of Graz, Graz, Austria.*

**Saturday, June 03, 2006**

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**11:00 - 12:30**

**Room C: K7**

**30 Free Papers: Primary THA**

**Chairperson:** R. Graf (Stolzalpe, Austria)  
J. Hochreiter (Linz, Austria)

**167** Mechanical CupNavigation in total hip endoprosthesis

*R. Graf, M. Azizbaig-Mohajer;  
general and Orthopaedic hospital, Stolzalpe, Austria.*

**168** Cementless total hip replacement in patients with high total hip dislocation:

The results of femoral shortening z-osteotomy

*D. R. Neumann, U. Dorn;  
Orthopedic Clinic, Salzburg, Austria.*

**169** Management of severe acetabular defects using a stemmed acetabular component: A preliminary report on 12 cases

*C. E. Berger, G. Klein, A. Lange, A. Kröner, A. Engel;  
Orthopedic Department, Danube Hos., Vienna, Austria.*

**170** Late results after Smith-Peterson Cup

*R. Kreuzsch-Brinker;  
Dep.Orth. Schwarzach/Bavaria, Schwarzach, Germany.*

**171** The usefulness of radiologic techniques for measuring post-THA leg length

*M. Neumaier, M. Steindl, K. Zweymüller;  
2. Orthopädische Abteilung, OKH Gersthof, Wien, Austria.*

**172** Modular Titanium Wagner stem (ZMR) in revision surgery of THA

*A. Svec, J. Opatik, M. Bdzoch, S. Chlebovic;  
Dept. of Orthopaedics University Hospital, Bratislava, Slovakia.*

**173** The extend of volumetric wear of polyethylene cups of total hip prosthesis is determined by the amount of the contact hip joint stress

*V. Antolic, A. Iglic, V. Kralj-Iglic;  
Clinical centre Ljubljana, Ljubljana, Slovenia.*

**174** The extend of volumetric wear of polyethylene cups of total hip prosthesis is determined by the amount of the contact hip joint stress

*R. Kopač, V. Antolic, V. Kralj-Iglic, A. Iglic;  
Clinical centre, Dept. for Orthopaedic surg., Ljubljana, Slovenia.*

**175** What's on the Latvia hip and knee registry?

*M. Zambrans, P. Studers;  
Hospital of Traumatology and Orthopedics, Riga, Latvia.*

## 24 Poster Session

## TUMOR

**P01** Surgical management of bone tumours and metastases in a non-tumour-center hospital- the Bozen experience

*P. Mazzurana;*

*Zentralkrankenhaus Bozen, Bolzano/Bozen, Italy.*

**P02** Surgical management of metastatic fractures in extremities; A monocenter analysis

*G. Gruber, M. Zacherl, I. Wagner, V. Fuchs, A. Leithner, R. Windhager;*

*Department of Orthopaedic Surgery, Medical University Graz, Graz, Austria.*

**P03** Bizarre parosteal osteochondromatous proliferation (Nora lesion). Report of three cases

*G. Gruber, A. Leithner, H. Clar, M. Zacherl, K. Bodo, R. Windhager;*

*Department of Orthopedic Surgery, Medical University Graz, Graz, Austria.*

**P04** Assessment of chosen prognostic factors in patients after radiation therapy of bone metastases

*M. Mazurkiewicz<sup>1</sup>, A. Brzozowska<sup>1</sup>, T. Mazurkiewicz<sup>2</sup>, L. Grzybowska-Szatkowska<sup>1</sup>;*

*<sup>1</sup>Department of Oncology, Lublin, Poland, <sup>2</sup>Department of Orthopaedics and Traumatology Skubiszewski Medical University of Lublin, Lublin, Poland.*

**P05** The impact of bisphosphonate therapy on the survival time of patients undergoing radiotherapy for bone metastases

*A. Brzozowska<sup>1</sup>, M. Mazurkiewicz<sup>1</sup>, T. Mazurkiewicz<sup>2</sup>, L. Grzybowska-Szatkowska<sup>1</sup>;*

*<sup>1</sup>Department of Oncology, Lublin, Poland, <sup>2</sup>Department of Orthopaedics and Traumatology Skubiszewski Medical University of Lublin, Lublin, Poland.*

**P06** Limb salvage surgery in malignant bone tumors in children

*J. Mracek, J. Schovanec, P. Chladek, T. Trc;*

*Orthopaedic Clinic, 2nd Medical School,, Prague, Czech Republic.*

**P07** MPNST in long bone? Report of a case

*Z. Krajnc, R. Kavalar, S. Kramberger, A. Molcnik;*

*General hospital Maribor, Maribor, Slovenia.*

**P08** Myoepithelial carcinoma in the adductor muscle - an extremely rare case of a soft tissue tumor radiologic - pathologic correlation

*W. Ertl<sup>1</sup>, A. Leithner<sup>1</sup>, B. Liegl<sup>2</sup>, A. Beham<sup>2</sup>, J. Raith<sup>3</sup>, R. Windhager<sup>1</sup>;*

*<sup>1</sup>Department of Orthopedic Surgery, A-8036 Graz, Austria, <sup>2</sup>Institute of Pathology, A-8036 Graz, Austria, <sup>3</sup>Department of Radiology, A-8036 Graz, Austria.*

Friday, June 02, 2006

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16:00 - 17:30

Ground Floor

## 24 Poster Session

**P09** Is cytological examination of bone-tumours sufficient for a correct diagnosis?

*K. Bodó, W. Weybora, E. Spuller;*

*Institute of Pathology, Medical University, Graz, Austria.*

**P10** A case of an interdisciplinary resection of a huge retroperitoneal liposarcoma G1 of 25 kg

*H. Clar, A. Leithner, G. Gruber, R. Radl, G. Werkgartner, A. Beham, R. Windhager;*

*Department of Orthopaedic Surgery, Medical University Graz, Austria.*

**P11** A case of coexistence of a high-grade osteosarcoma with a low-grade myxofibrosarcomatous component

*H. Clar, A. Leithner, S. Egner, K. Bodo, R. Windhager;*

*Department of Orthopaedic Surgery, Medical University Graz, Austria.*

**P12** Symmetrical metastatic infiltration of a squamous cell carcinoma

*C. Stihsen, A. Leithner, W. Weitzer, R. Radl, R. Windhager;*

*Department of Orthopaedic Surgery, Medical University Graz, Graz, Austria.*

**P13** Pubic osteomyelitis in a young athlete. A case report

*P. Paulet<sup>1</sup>, U. Riede<sup>1</sup>, R. Harstall<sup>1</sup>, T. Stöckli<sup>2</sup>, D. Weber<sup>1</sup>;*

*<sup>1</sup>Department of Orthopaedic Surgery, Bürgerspital, Solothurn, Switzerland,*

*<sup>2</sup>Department of Internal Medicine, Bürgerspital, Solothurn, Switzerland.*

## TRAUMA

**P14** Medial bone support in osteosynthesis of the trochanteric region fractures

*P. Grubor, A. Jakovljevic, G. Grubor;*

*Clinic of orthopaedic surgery and traumatology, Banja Luka, Republic of Srpska, Bosnia and Herzegovina.*

**P15** Supracondylar osteotomies of humerus in correction of posttraumatic elbow deformities

*P. Grubor, A. Jakovljevic, G. Grubor;*

*Clinic of orthopaedic surgery and traumatology, Banja Luka, Republic of Srpska, Bosnia and Herzegovina.*

**P16** A case report of a 49 years old woman with dislocation of the radial head alone

*I. P. Sofianos, B. Sakellariou, K. Kateros, L. Ioannou;*

*Orthopaedic clinic, Levadia, Greece.*

**24 Poster Session**

**P17** War injury - Fracture of femur

*S. Muminagic, T. T. Kapidžić;*

*Cantonal Hospital Zenica, Zenica, Bosnia and Herzegovina.*

**P18** War injury - Fracture of tibia and fibula

*S. Muminagic, T. T. Kapidžić;*

*Cantonal Hospital Zenica, Zenica, Bosnia and Herzegovina.*

**P19** Conservative treatment of intraarticular fractures of distal radius at orthopedic department in Cantonal Hospital Bihac

*E. Tatlic, R. Tatlic, D. Hukic;*

*Cantonal Hospital Bihac, Bihac, Bosnia and Herzegovina.*

**P20** Treatment of distal radius dislocated fractures with outer fixator

*E. Tatlic, R. Tatlic, D. Hukic;*

*Cantonal Hospital Bihac, Bihac, Bosnia and Herzegovina.*

**P21** The impact of delayed admission of spinal injured patients to a specialist unit over a five year period

*P. Konala;*

*The Royal National Orthopaedic Hospital, London, United Kingdom.*

**P22** Review of paediatric supracondylar humeral fractures over a 10 year period :

A London teaching hospital experience

*R. Nadarajah;*

*The Royal London Hospital, London, United Kingdom.*

**P23** The role of early stabilisation in thoracolumbal fractures

*N. Bojic, Z. Jovicic, D. Pantic, M. Bojic;*

*Clinic of orthopaedic surgery and traumatology, Banja Luka, Bosnia and Herzegovina.*

**P24** Abdominal manifestations in patients with multiple fractures

*I. O. Christodoulou<sup>1</sup>, E. Papamichael<sup>1</sup>, C. Pogonidis<sup>2</sup>, E. Xenodoxidou<sup>2</sup>, M. Handolias<sup>1</sup>,*

*A. Amanatidou<sup>1</sup>, D. Rizos<sup>1</sup>, Z. Koukouritaki<sup>1</sup>, G. Christianopoulos<sup>1</sup>;*

*<sup>1</sup>Papanikolaou Hospital, Thessaloniki, Greece, <sup>2</sup>Komotini Hospital, Komotini, Greece.*

**P25** Fatal injuries after falls from heights

*I. O. Christodoulou<sup>1</sup>, D. Babalis<sup>2</sup>, C. Pogonidis<sup>2</sup>, E. Xenodoxidou<sup>2</sup>, I. Voskakis<sup>2</sup>,*

*I. Nakopoulos<sup>2</sup>, I. Batsilas<sup>2</sup>, M. Tsolakis<sup>2</sup>, D. Gymnopoulos<sup>2</sup>;*

*<sup>1</sup>Papanikolaou Hospital, Thessaloniki, Greece, <sup>2</sup>Komotini Hospital, Komotini, Greece.*

Friday, June 02, 2006

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16:00 - 17:30

Ground Floor

## 24 Poster Session

### SHOULDER

**P26** Subacromial impingement due to massive supraspinatus hypertrophy in a bodybuilder. A case report

*R. Harstall, P. Paulet, D. Weber, P. von Stokar;*

*Department of Orthopaedic Surgery, Bürgerspital, Solothurn, Switzerland.*

**P27** Tendon transfer around shoulder in obstetric brachial plexus paralysis: clinical and computed tomography study

*M. M. Mostafa;*

*Department of Orthopedic Surgery, Assiut, Egypt.*

**P28** Early experiences of needle arthroscopy - An alternative diagnostic tool in shoulder pathology (withdrawn)

*S. Al-Jafari, D. Mittal, P. Hughes;*

*Lancashire Teaching Hospitals NHS Trust, Preston, United Kingdom.*

### HIP

**P29** Experience with the threaded Munich cup

*P. S. Kinov, B. I. Bukarev, V. I. Dimov, K. L. Kazakov, P. N. Tivchev;*

*Medical University of Sofia, Sofia, Bulgaria.*

**P30** Minimally invasive THR - Approaches and technical conditions

*T. Trc, J. Frydl, P. Chladek;*

*Orthopaedic Clinic, 2nd Medical School,, Prague, Czech Republic.*

**P31** Hip protector

*Z. Beck, I. Abramovic-Beck, M. Peco, G. Sunko, A. Vukovic, Ž. Jeleč;*

*General Hospital Dr.I.Pedixic, Sisak, Croatia.*

**P32** Biomechanical analysis of stresses in slipped capital femoral epiphysis

*M. Krizancic, O. Zupanc, V. Kralj-Iglic;*

*Department of Orthopaedic Surgery, Medical Centre Ljubljana, Ljubljana, Slovenia.*

### KNEE & CARTILAGE

**P33** 20 years follow-up of Gore-Tex posterior cruciate ligament reconstruction

*T. Smoljanovic<sup>1</sup>, A. Ivkovic<sup>2</sup>, I. Boric<sup>3</sup>, S. Seiwert<sup>1,2</sup>, M. Hapli<sup>1,2</sup>, M. Pecina<sup>1</sup>;*

*<sup>1</sup>School of Medicine, Zagreb, Croatia, <sup>2</sup>University Hospital Center Zagreb, Zagreb, Croatia, <sup>3</sup>Unit of Magnetic Resonance Imaging "Neuron", Zagreb, Croatia.*

## 24 Poster Session

### P34 Mosaic chondroplasty of the knee cartilage defects

*I. M. Zazirnyi, V. G. Yevseyenko;  
Hospital Feofania, Kiev, Ukraine.*

### P35 Treatment of cartilage defects with a biostable polymer implant - Final assessment

*M. Grasslobler, J. Konstantiniuk, B. Schatz, W. Hartwagner, O. Leithgöb,  
M. Fellinger;  
Department for Traumatology, Graz, Austria.*

### P36 Surgery and drugs in treatment of large osteochondral lesion of the knee - case report

*A. Jakovljevic, P. Grubor;  
Clinic of orthopaedic surgery and traumatology, Banja Luka, Republic of Srpska,  
Bosnia and Herzegovina.*

## MISCELLANEOUS

### P37 The effect of capacitively coupled electrical stimulation (CCEST) on healing processes in rabbit femur - a preliminary report

*T. Bielecki<sup>1</sup>, T. S. Gazdzik<sup>1</sup>, P. Wlaszczuk<sup>2</sup>, M. Bozek<sup>1</sup>, G. Bierzynska-Macyszyn<sup>2</sup>,  
J. Wolanska-Karut<sup>2</sup>;  
<sup>1</sup>Department and Clinic of Orthopaedics, Medical University of Silesia, Sosnowiec,  
Poland, <sup>2</sup>Department of Pathomorphology, Medical University of Silesia,  
Katowice, Poland.*

### P38 Value of thromboemolic prophylactic in prevention of the thromboembolism in orthopedic surgery

*P. Grubor, A. Jakovljevic, G. Grubor;  
Clinic of orthopaedic surgery and traumatology, Banja Luka, Bosnia and Herzegovina.*

### P39 Quality of life in ambulated geriatric patients

*I. O. Christodoulou<sup>1</sup>, D. Babalis<sup>2</sup>, C. Pogonidis<sup>2</sup>, E. Xenodoxidou<sup>2</sup>, I. Voskakis<sup>2</sup>,  
I. Nakopoulos<sup>2</sup>, I. Batsilas<sup>2</sup>, M. Tsolakis<sup>2</sup>, D. Gymnopoulos<sup>2</sup>;  
<sup>1</sup>Papanikolaou Hospital, Thessaloniki, Greece, <sup>2</sup>Komotini Hospital, Komotini, Greece.*

### P40 Primary orthopaedic education for general doctors

*I. O. Christodoulou<sup>1</sup>, C. Pogonidis<sup>2</sup>, E. Xenodoxidou<sup>2</sup>, E. Papamichael<sup>1</sup>;  
<sup>1</sup>Papanikolaou Hospital, Thessaloniki, Greece, <sup>2</sup>Komotini Hospital, Komotini, Greece.*

Friday, June 02, 2006

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16:00 - 17:30

Ground Floor

### 24 Poster Session

**P41** Hallux valgus correction with proximal L-shaped metatarsal osteotomy - preliminary results

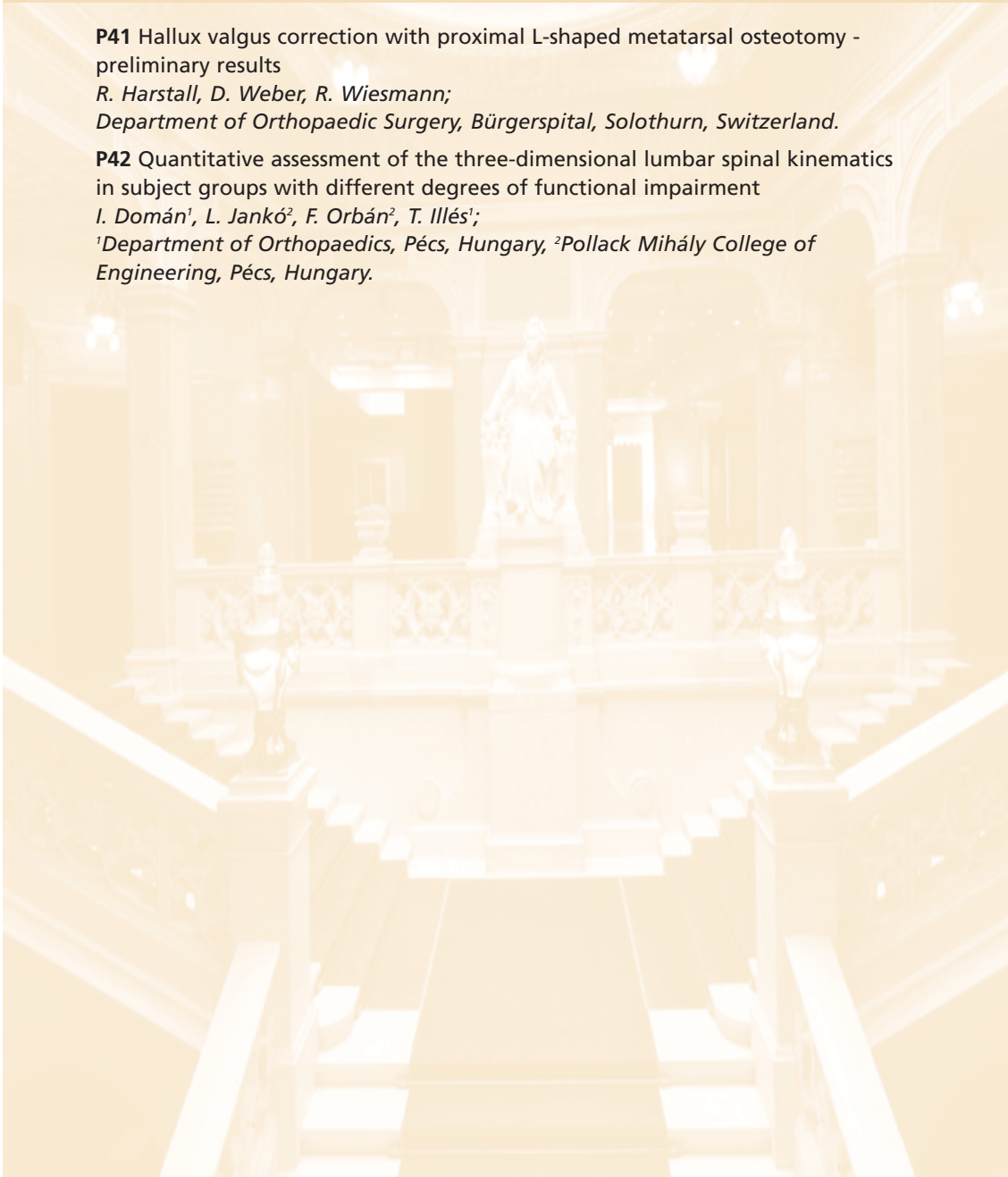
*R. Harstall, D. Weber, R. Wiesmann;*

*Department of Orthopaedic Surgery, Bürgerspital, Solothurn, Switzerland.*

**P42** Quantitative assessment of the three-dimensional lumbar spinal kinematics in subject groups with different degrees of functional impairment

*I. Domán<sup>1</sup>, L. Jankó<sup>2</sup>, F. Orbán<sup>2</sup>, T. Illés<sup>1</sup>;*

*<sup>1</sup>Department of Orthopaedics, Pécs, Hungary, <sup>2</sup>Pollack Mihály College of Engineering, Pécs, Hungary.*



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*Notes:*

## Information for Authors

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### Oral Presentations

The programme will have a very tight schedule and we therefore ask you to understand that it is of utmost importance to keep the oral presentation within the allowed time of **7 minutes + 3 minutes discussion**. The chairpersons of your session will be strict in allowing no more than the time allotted to your paper. They will be instructed to interrupt your talk in order to keep the schedule on time.

- All rooms will be equipped with data-projection only (no slides).

File Format: Microsoft® Power Point™ presentation formatted for Windows® (PC) only: Operating system: XP and Office 2003®  
(Mac-User please use your own Mac!)

- Please bring your data on a USB-stick or a CD. You will find a push-button on the lectern to advance your slides / animations. In addition a monitor will be at your disposal near the speaker's desk so that you will be able to control your slides during the presentation.

- It is essential that you deliver your presentation in the preview room preferably in the morning of the day your talk is scheduled, but not later than 2 hours in advance. (It is possible to view or adapt your presentation before your lecture in the preview room).

### Poster Presentations

We kindly ask you to be present at your poster during the poster session taking place on Friday, June 02nd, 2006 from 4:00 pm - 5:30 pm in order to ensure an exchange with interested colleagues.

Please be informed that your poster should be mounted on Wednesday, May 31st between 04.00 p.m. and 06.30 p.m. or on Thursday, June 1st between 08.00 and 10.30 a.m. It should be removed on Saturday, June 3rd between 11.00 a.m. and 12.30 p.m.

Please note that posters not removed until then will be taken down by the staff of the conference center and will not be stored or sent to the authors after the meeting.

The usable surface of the poster panel measures 130 cm in height x 90 cm in width. Adhesive material and pins will be provided by the conference staff.

## Business Meetings / General Information

### Business Meetings

Außerordentliche Generalversammlung der Österreichischen  
Gesellschaft für Orthopädie und Orthopädische Chirurgie  
Freitag, 2. Juni  
17.30 Uhr  
Saal Steiermark

### GENERAL INFORMATION

#### Congress Offices

Scientific and Administrative Secretariat:  
Vienna Medical Academy  
Att. Hedwig Schulz  
Alser Strasse 4  
A - 1090 Vienna, Austria

#### Travel and Hotel Accommodation:

Mondial Congress  
Operngasse 20b  
A - 1040 Vienna, Austria  
Hotel reservations can be handled on site

#### Commercial Exhibition:

MAW - Medizinische Ausstellungs- und Werbegesellschaft  
Andrea Etz  
Freyung 6  
A - 1010 Vienna, Austria

#### On Site Phone Numbers:

Phone: +43 (0)316 / 8049/53  
Fax: +43 (0)316 / 8049/54  
Mobile: +43 (0)316 / 8049/55

#### Congress Venue:

Grazer Congress / Convention Center Graz  
Sparkassenplatz  
A - 8010 Graz

## Registration

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### Registration Fee

Payment received	On site
Regular Participants	€ 210,-
Trainees*	€ 140,-
Day Tickets	€ 100,-
Accompanying Persons	€ 90,-

\* A confirmation letter respectively a certificate of your department is mandatory!

#### Opening Hours of the Registration Desk

Wednesday, May 31 <sup>st</sup>	16.00 - 18.30	Friday, June 2 <sup>nd</sup>	08.30 - 18.00
Thursday, June 1 <sup>st</sup>	08.00 - 18.00	Saturday, June 3 <sup>rd</sup>	08.30 - 13.00

#### The registration fee includes:

- Attendance of the scientific sessions
- Access to the commercial exhibition
- Book of abstracts
- Coffee or tea during the breaks
- Opening cocktail at the "Kunsthhaus" (for 1 person, pre-registration is mandatory!)

#### Accompanying Person's fee includes:

- Access to the commercial exhibition
- Welcome cocktail at the "Kunsthhaus" (for 1 person, pre-registration is mandatory!)
- Guided city walk (Thursday, June 1<sup>st</sup>, 14.00 - 16.30)

#### Please note

The welcome cocktail is free of charge but since the number of invitations is limited by the size of the location, you are strongly recommended to register early. Registrations will be handled on a First-Come-First-Serve-Basis.

#### Payment Modalities

- Cash
- Credit card payment (Diners Club, Visa, Euro/MasterCard)
- Eurocheque: Please indicate Graz as place of payment

#### Note

The reduced registration fee is only applicable if it has been credited to the congress account before the deadline. Registering before March, 27th without performing a payment or indicating a credit card number is not sufficient to benefit from the reduction!

#### Cancellations and Refunds

Notice of cancellation must be made in writing by registered letter or fax to the Congress Office. The date of the postmark or Fax ID will serve as the basis for refunds. Please indicate the preferred method of reimbursement (Credit card or bank transfer) on your written cancellation. Refunds will be made after the meeting.

The policy for refunding registration will be as follows:

Written cancellation received	- Before March, 31 <sup>st</sup> , 2006:	50% refund
	- After May 1 <sup>st</sup> , 2006:	no refund

## Social Programme

### ■ Wednesday, May 31<sup>st</sup>, 2006, 19:00

#### Welcome Cocktail and guided tour at the "Kunsthhaus":

Enjoy typical Styrian cuisine and the highlights of the art exhibition

Address: Lendkai 1, A-8020 Graz

On the banks of the river Mur, on the corner of the Südtirolerplatz and the Lendkai, Graz has a new architectural landmark: the Kunsthaus Graz. The designers of this project, the London architects Peter Cook and Colin Fournier, created an impressive synthesis which unites their innovative design language with the historic setting of this urban district along the Mur. The aesthetic dialogue between the new biomorphic structure on the bank of the Mur and the old clock tower on Graz's famous Schloßberg (Castle Hill) is the trade-mark of a city aiming to create a productive tension between tradition and avant-garde. In content as well as from an urbanistic point of view, the new Kunsthaus Graz acts as an interface between past and future. On the occasion of the European Cultural Capital 2003 activities, the City of Graz was giving itself the Kunsthaus, a gift for the future.

### ■ Friday, June 2<sup>nd</sup>, 2006: 19:30

#### Gala Dinner at the "Alte Universität - Aula"

€ 35.- per person

Address: Hofgasse 14, 8010 Graz

Gala Dinner with music and entertainment programme

The University of Graz was founded at a time when the Jesuits dominated the intellectual, religious and cultural life of the city of Graz. They left their mark on the "Grazer Stadtkrone", the urban ensemble at the city centre comprising the Castle, the Cathedral, the Old University and other buildings. Higher education in Europe was largely in the Jesuits' hands until the order was dissolved in 1773. The University of Graz, originally accommodated in the Jesuit College (Seminary), moved to a new building at the centre of the "Grazer Stadtkrone" in 1607, which had been founded by Arch-Duke Ferdinand II. The original features of the building have been largely preserved to this very day.

Between 1905 and 2000, the premises of the Old University housed the provincial archives. With its renovation completed in 2005, the building is now used for official functions and external events. The conversion of the Old University of Graz may be regarded as a model of successful conservation and renewal. Owing to its location within a historical urban ensemble, this late Baroque building, adorned with magnificent frescoes, is of particular interest.

With the kind support of



### ■ Saturday, June 3<sup>rd</sup>, 2006: 12:30

Farewell snack at the "Grazer Congress / Convention Center Graz"

With the kind support of



## Optional Partner Programme

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### GENERAL INFORMATION:

The tour will be accompanied by ENGLISH-SPEAKING guides.  
Tours are subject to a MINIMUM NUMBER of 20 participants.  
MONDIAL CONGRESS reserves the right to change the date, time or programme of any tour due to organisational reasons.

### Guided City Walk Graz

Date: Thursday, June 01<sup>st</sup>, 2006 Time: 02.00 pm - 04.30 pm  
Price per ticket: € 13,-- Incl. bus, entrance fees and guide  
Departure: Grazer Congress

Graz turns visitors into time-travellers. As a World Cultural Heritage site it takes them back through distant centuries of the past in a whirlwind tour of the Renaissance, Gothic and Baroque periods. Graz also captures the moment, the spirit of modern life.

In 2003 Graz was the Cultural Capital of Europe. The nomination brought many positive changes and left unmistakable and spectacular marks in the cultural and architectural face of the city such as the Kunsthaus called the "friendly alien" or the Island in the River Mur.

### INSTRUCTIONS ON BOOKING TOURS AND EXCURSIONS

To book tours and excursions, please fill in the enclosed registration form or book via the website <http://www.mondial.at/english/congressmgmt/ceoc06>. Please make sure to effect bookings and respective payments by April 28<sup>th</sup>, 2005. For payments please refer to "TERMS OF PAYMENT". After receipt of your payment, MONDIAL will send a written confirmation confirming the tours selected.

### CANCELLATION POLICY

All cancellations/changes must be made in writing.  
For cancellation made before May 12<sup>th</sup>, 2006 no fee will be charged.  
For cancellations after this date, no refunds can be granted.  
Amount due will be reimbursed after the Congress.

### TERMS OF PAYMENT

The total amount due shall be paid in advance. Payments shall be made in Euro (no other currencies shall be accepted) to MONDIAL CONGRESS by one of the following procedures:

#### 1. PAYMENT BY CREDIT CARD

Visa, Eurocard/Mastercard, and Diners will be accepted.  
The cardholder's name, the card number, the expiration date and an original signature MUST be on the booking form. No other credit cards will be accepted.

#### 2. CASH

Reisebüro Mondial Ges.m.b.H. & Co. KG acts as an intermediary and shall not be held liable for any loss or damage to persons or property, for whatever reason, notwithstanding liability for transport and other service enterprises. Only written agreements shall be valid. The place of jurisdiction shall be Vienna.

## About Graz

**Cash Dispensers:** A great number of cash machines accepting bank cards as well as most credit cards are located outside of bank buildings throughout Graz. They are identifiable by a green-blue sign.

**Bank:** The "Steiermärkische Sparkasse" located in front of the main entrance of the congress center is opened from Monday to Friday from 09.00 - 16.00.

**Shops:** Shops in Graz are usually open from Monday to Friday, from 9.00 - 18.00, Saturdays from 9.00 - 17.00. They are closed on Sunday. Most shops accept all major credit- and "Maestro" cards.

**Eating Out in Graz:** Most restaurants in Graz are open from 11.30 - 14.30 and 17.30 - 24.00. However, most of them stop serving warm meals at 22.00. Please note that service charges are included in the price, unless explicitly mentioned. Nevertheless an additional tip in between 5-10% of the bill is expected, if you deem the service good enough. Some restaurants may have a cover charge.

**Electricity Supply:** 220-240 V - 50Hz AC.

**Insurance:** In registering for the CEOC 2005 Graz participants agree that neither the organising committee nor the congress office assume any liability whatsoever. Participants are requested to make their own arrangements in respect of health and travel.

**Public Transportation in Graz:** Graz offers an efficient and modern system of public transportation with trams and buses. Almost all hotels have easy access to the public transportation system. Costs for a 24-hours-ticket valid on all buses and trams is € 3,50 and can be purchased at newspaper/tobacco stores. For detailed information please have a look at [www.gvb.at](http://www.gvb.at)

**The Grazer Congress / Convention Center Graz** located in the heart of the city center is easily reachable by taking the tramways 1,3,4,5,6, and 7 to station "Hauptplatz".

**Taxis:** Numerous Taxi stands are located throughout Graz, in front of the "Grazer Congress / Convention Center Graz" as well as of most hotels.

The receptionists will be glad to help you. Some telephone numbers of selected taxi companies: 878, 2801, 444 or 889.

For cell phone calls: the international country code for Austria is 0043, the area code of Graz is (0)316.

### Former CEOC Congresses:

1996	Bratislava/Slovakia (Prof. Dr. Frantisek Makai)
1998	Budapest/Hungary (Prof. Dr. Tibor Vizkelety)
2000	Portoroz/Slovenia (Prof. Dr. Vinko Pavlovčič)
2002	Dubrovnik/Croatia (Prof. Dr. Marko Pecina)
2004	Prague/Czech Republic (Prof. Dr. Martin Krbec)

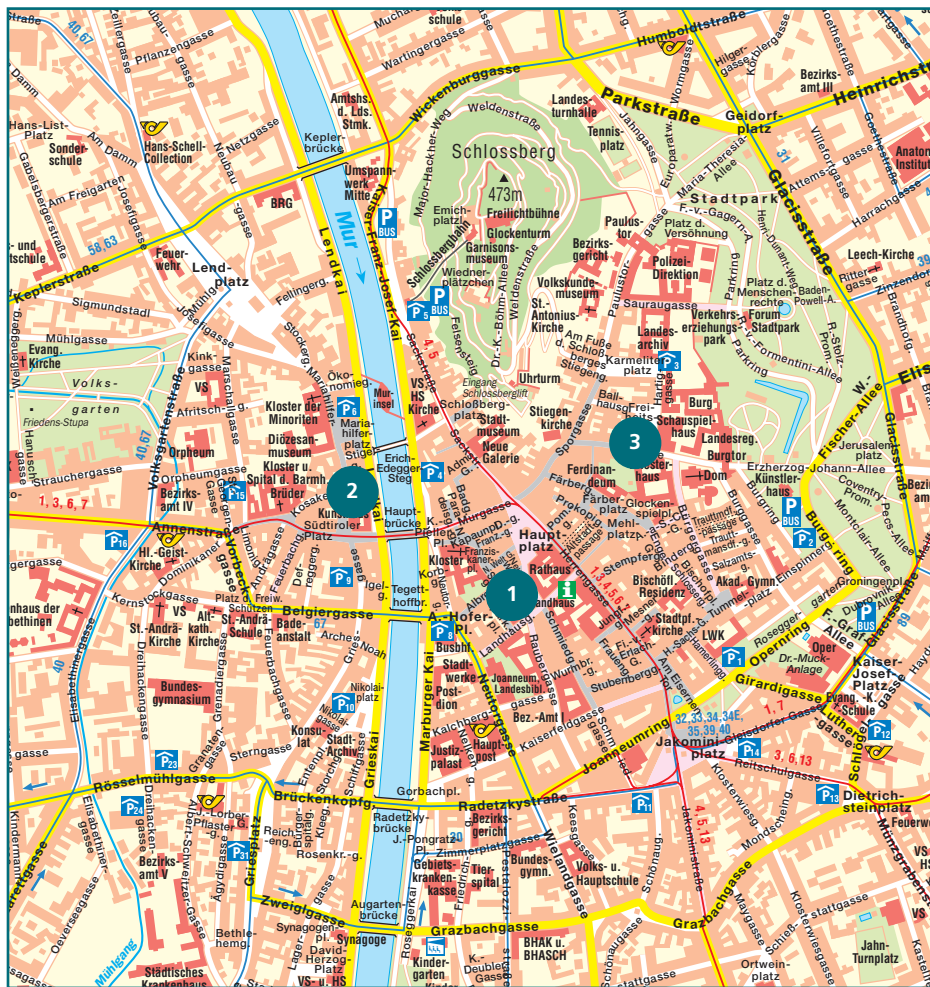
## City Map

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For detailed information please have a look at [www.gvb.at](http://www.gvb.at)

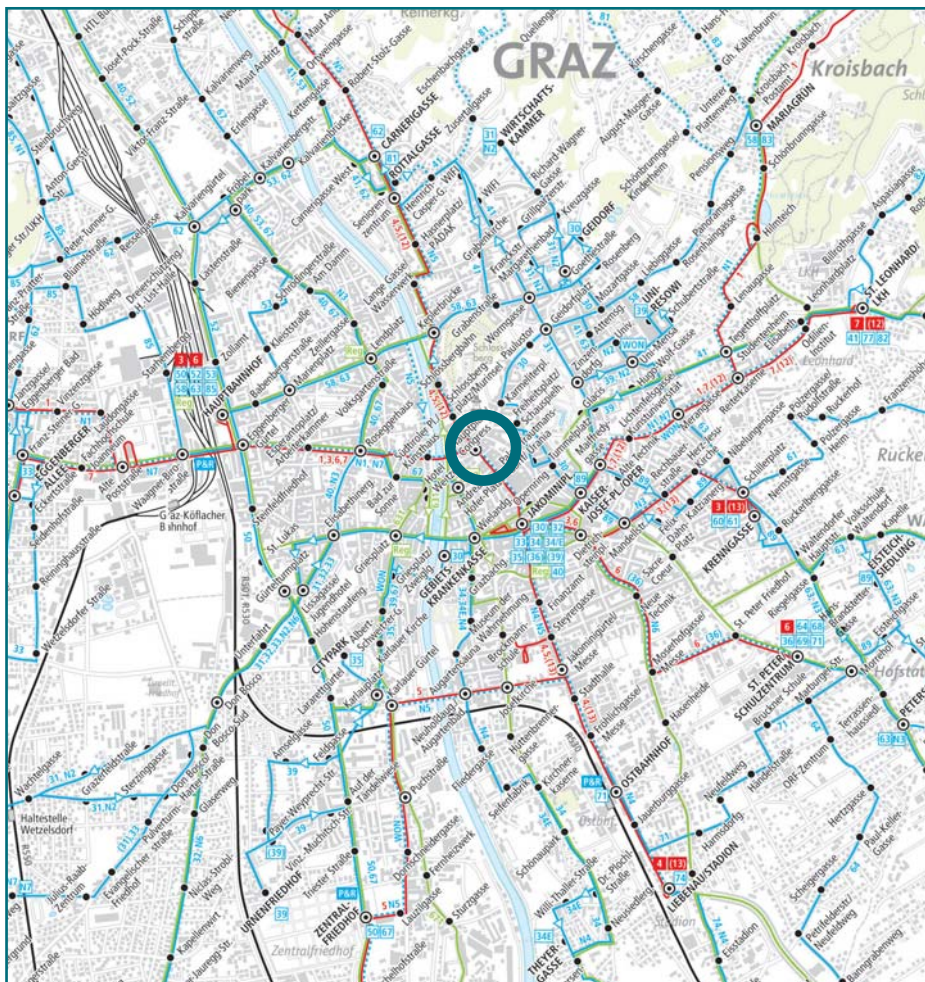
- 1** Congress Venue
- 2** Kunsthaus  
(Welcome Cocktail)
- 3** Alte Universität  
(Gala Dinner)



## Public Transportation



The Grazer Congress / Convention Center Graz located in the heart of the city center is easily reachable by taking the tramways 1,3,4,5,6, and 7 to station "Hauptplatz".



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## Exhibitors

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Exhibitors as per printing date

ÄRZTEZENTRALE Adressen- u. Drucksortenverlag	Vienna, Austria
ad rem team - therapie4you	Vienna, Austria
AESFULAP	Tuttlingen, Germany
ALPHAMED Medizintechnik Fischer	Laßnitzhöhe, Austria
ARS ARTHRO Biotechnologie	Krems, Austria
ASTRA TECH	Vienna, Austria
BEZNOSKA	Kladno, Czech Republic
BIOMET EUROPE	Bridgend, United Kingdom
BIONIC K. Kronlachner	Hallein, Austria
CROMA PHARMA	Korneuburg, Austria
DIERS International	Schlangenbad, Germany
FRESENIUS KABI AUSTRIA	Graz, Austria
GASTEINER Heilstollen	Böckstein, Austria
JOHNSON & JOHNSON Medical Products, DE PUY	Vienna, Austria
KÖNIGSEE IMPLANTATE	Königsee/Aschau, Germany
LINK AUSTRIA	Wiener Neudorf, Austria
MATHYS Ltd. Bettlach	Bettlach, Switzerland
MEDTRONIC AUSTRIA	Vienna, Austria
PLUS ORTHOPEDICS	Rotkreuz, Switzerland
sanofi aventis	Vienna, Austria
SMITH & NEPHEW	Schwechat, Austria
SPECTROMED	Laßnitzhöhe, Austria
STEMCUP Medical Products	Mauterndorf, Austria
STRYKER	Vienna, Austria
SYNTHES AUSTRIA	Salzburg, Austria
VIVAMED	Eugendorf, Austria
VIVOXID	Turku, Finland
WIRMSBERGER & BOEHM	Essen, Germany
ZIMMER AUSTRIA	Mödling, Austria

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Notes:

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