

07.-09.03.2013

# 3rd International Knee Update

reconstructive surgery in the young arthritic patient

**Scientific Commitee:**

GELENKZENTRUM ZÜRICH

Dr. med. U. Munzinger  
PD Dr. med. P. Schöttle  
Prof. Dr. med. J. Victor

**DAVOS**



# Grusswort

Sehr geehrte Kolleginnen und Kollegen

Nach dem grossen Zuspruch der ersten beiden Knie updates wollen wir erneut die erhaltende Gelenkchirurgie kritisch beleuchten und alle Therapiemöglichkeiten der Früh-Arthrose darstellen und diskutieren.

Bei allen Erkrankungen des Kniegelenkes ist die optimale Patientenversorgung unter gezielter Anwendung der richtigen Therapieverfahren nur unter Berücksichtigung aller auslösender Faktoren möglich. Dies beinhaltet nicht nur eine aktuelle technische Information sondern auch die Diskussion und das persönliche Gespräch zum Austausch der eigenen Erfahrungen in den neueren Bereichen der Gelenkrekonstruktion, vor allem auch die multimodalen Ansätze zur Therapie.

Wir möchten Ihnen bei unserem Kongress zeigen, wie sich fundierte Techniken und Neuerungen beeinflussen und gezielt das beste Therapiekonzept für verschiedene Pathomorphologien bieten.

Durch die Themenwahl und dem gemütlichen Rahmen wird die Möglichkeit einer Veranstaltung auf hohem Niveau in alpiner Atmosphäre mit einem freundschaftlichen kollegialen Austausch gegeben. Als Veranstalter freuen wir uns, Sie zu diesem Kongress begrüessen zu dürfen um unsere Erfahrungen auszutauschen und mit Ihnen zu diskutieren.



Dr. med. U. Munzinger



PD Dr. med. P. Schöttle



Prof. Dr. med. J. Victor

# Welcome

Dear Colleagues

After the great response regarding the first two Knee Updates, we are once again having a critical look at the joint preserving surgery and present as well as discuss all therapeutical possibilities for early degeneration.

All medical conditions of the knee joint require the consideration of all triggering factors to guarantee an optimal patient care and the according specific choice of medical procedures.

This does not only include the state-of-the-art technical information, but also the discussion and communication to exchange personal experience in the more recent fields of joint reconstruction, especially the multi-modal therapy approaches.

In the context of our congress, we would like to show you how established techniques as well as innovations influence one another and offer the optimal therapeutic concept for various pathomorphologies.

This thematic emphasis and the comfortable surrounding are the ideal platform for a high-quality event in an alpine atmosphere. As organizers we are delighted to welcome you to this congress with the encouragement of exchanging experience and engaging in profound discussions.



Dr. med. U. Munzinger



PD Dr. med. P. Schöttle



Prof. Dr. med. J. Victor

# Faculty

<b>Prof. Dr. med. R. Becker</b>	Brandenburg, Germany
<b>Prof. Dr. med. N. Böhler</b>	Linz, Austria
<b>Dr. med. M. Bonnin</b>	Lyon, France
<b>Dr. med. P. Burkart</b>	Luzern, Switzerland
<b>Dr. med. F. Dirisamer</b>	Linz, Austria
<b>Dr. med. W. Fitz</b>	Boston, USA
<b>Dr. med. D. Hensler</b>	Murnau, Germany
<b>PD Dr. med. S. Hinterwimmer</b>	Munich, Germany
<b>M. Klötzli, arthrex Switzerland</b>	Belp-Bern, Switzerland
<b>V. Leclercq, Symbios GmbH</b>	Yverdon-les-Bains, Switzerland
<b>M. Leitloff, medi GmbH</b>	Bayreuth, Germany
<b>Dr. med. U. Munzinger</b>	Zurich, Switzerland
<b>PD Dr. med. S. Ostermeier</b>	Gundelfingen, Germany
<b>Dr. med. G. Pagenstert</b>	Basel, Switzerland
<b>Dr. med. S. Romagnoli</b>	Milano, Italy
<b>PD Dr. med. P. Schöttle</b>	Zurich, Switzerland
<b>PD Dr. med. V. Smekal</b>	Innsbruck, Austria
<b>Prof. Dr. med. H.U. Stäubli</b>	Bern, Switzerland
<b>Dr. M. Schürhoff, 2med GmbH</b>	Hamburg, Germany
<b>Dr. med. M. Tinius</b>	Chemnitz, Germany
<b>Dr. med. P. Verdonk</b>	Gent, Belgium
<b>Prof. Dr. med. J. Victor</b>	Gent, Belgium
<b>PD Dr. med. A. Weiler</b>	Berlin, Germany
<b>PD Dr. med. T. Zantop</b>	Straubing, Germany

## Registration

	normal		AGA Member	
	until 06.01.13	regular	until 06.01.13	regular
<b>Congress Ticket (with accomodation)</b>				
all prices in €				
<b>single room</b>				
medical specialist	800,-	880,-	760,-	840,-
Resident / Physiotherapist	680,-	760,-	655,-	735,-
<b>double room (single use)</b>				
medical specialist	1.000,-	1.080,-	960,-	1.040,-
Resident / Physiotherapist	890,-	970,-	865,-	945,-
<b>double room (together with another congress participant)</b>				
medical specialist	750,-	830,-	710,-	790,-
Resident / Physiotherapist	670,-	750,-	645,-	725,-
<b>double room (with accompanying person)</b>				
medical specialist	1.300,-	1.380,-	1.260,-	1.340,-
Resident / Physiotherapist	1.200,-	1.280,-	1.175,-	1.255,-
<b>Congress ticket (without accomodation)</b>				
medical specialist	400,-	480,-	360,-	440,-
Resident / Physiotherapist	240,-	320,-	215,-	295,-
<b>One day Ticket</b>				
medical specialist	150,-	180,-	135,-	165,-
Resident / Physiotherapist	90,-	140,-	80,-	130,-

\* The booking of a congress ticket with accommodation includes three nights in the Hotel Morosani Schweizerhof (SR/DR), breakfast buffet on all three days as well as Dinner on March 7 and 8.  
A partial refund of the fee in case of non-utilization of individual services (e.g. accomodation, breakfast or dinner) is not possible.

\*\* In case of a registration for a congress ticket without accommodation, we would kindly ask you to book your hotel individually. If you would like to join the common breakfast or dinner in the Hotel Morosani Schweizerhof on March 7 and 8 please let us know in time. It will then be charged with a fee of 45.00 € per day and person.

*You can find the online registration on our website: [www.kneupdate.com](http://www.kneupdate.com)*

# Scientific Program

Thursday, 7th March 2013

13.30 **Welcome** *Munzinger / Schöttle / Victor*

Part 1: **Early Degeneration in the Young Patient** *Chairmen: Victor / Hinterwimmer*

13.40 Born pathomorphologies for early degeneration in the knee (ED) *Verdonk*

13:50 Iatrogenic and traumatic causes for ED *Romagnoli*

14.00 Diagnostics for detecting causes and status of ED *Böhler*

14:10 Tibial and / or femoral Osteotomy (OT) for discharge *Becker*

14.20 Benefit and risks in slope alteration during OT *Hinterwimmer*

14.30 Biplanar tibial or femoral OT for influencing the PFJ *Stäubli*

14.40 Virtual planning and guided execution of OT *Victor*

Part 2: **Video Session: Combined OT**

15.10 Presentation of cases with (cruciate or patellofemoral) instability and indication for OT *Hinterwimmer / Pagenstert / Stäubli*

## **Uni- and Multipartial Knee replacement**

Part 3: **Unicompartmental Arthroplasty** *Chairmen: Stäubli / Becker*

16.00 Mobile or fixed bearing in unicompartmental arthroplasty *Verdonk*

16.10 Ligament Balancing in UKA *Munzinger*

16.20 Operative technique in medial UKA *Böhler*

16.30 UKA in lateral osteoarthritis *Burkart*

16.40 Long term results and reasons for failure in UKA *Verdonk*

16.50 Biomechanical function of surface implants *Schürhoff*

17.00 Failed uni - causes and treatment options *Tinius*

17.10 Rational of patient specific instruments *Leclercq*

17.20 Operative technique with patient specific instruments *Fitz*

18.00 **Industrial Hands-on Workshops**

# Scientific Program

Friday, 8th March 2013

<b>Part 4: Multicompartmental Arthroplasty</b>	<i>Chairmen: Burkart / Bonnin</i>
08.00 Differential kinematics on the medial and lateral compartment and consequences for arthroplasty	<i>Victor</i>
08.15 Bi- and tri- compartmental replacement - what tells the literature?	<i>Romagnoli</i>
08.30 Bi- and tri- compartmental vs. bi-condylar arthroplasty - biomechanical reflexions	<i>Bonnin</i>
08:45 Rotational Alignment and Sizing in total knee replacement	<i>Munzinger</i>
09.00 Patient specific instruments - benefit or eyes shut?	<i>Ostermeier</i>
09.15 Look behind the scene: do we replace bone or cartilage in PSI?	<i>Stäubli</i>
09.30 The individual implant	<i>Fitz</i>

## **Initial ACL Rupture - State of the Art**

<b>Part 5: Basics</b>	<i>Chairmen: Schöttle / Smekal</i>
15.00 Functional anatomy of the ACL	<i>Dirisamer</i>
15.15 Knee kinematics in partially an totally deficient ACL	<i>Tinius</i>
15.30 Objective testing of stability around the ACL	<i>Burkart</i>
15.45 The perfect patient and indication for an anatomical single-/ double bundle ACL reconstruction	<i>Hensler</i>

<b>Part 6: Graft Choice, Tunnel Placement and Fixation</b>	<i>Chairmen: Verdonk / Pagenstert</i>
16.15 Pros and contras: autograft versus allograft	<i>Zantop</i>
16.25 Hamstrings vs. patellar tendon vs. quadriceps tendon: - biomechanical reflexions	<i>Ostermeier</i>
16.35 How much graft is needed for a single / double bundle reconstruction	<i>Hensler</i>
16.45 Tibia first or femur first?	<i>Becker</i>
16:55 Inside out or outside in?	<i>Pagenstert</i>
17:05 Femoral tunnel placement - AM vs. TT	<i>Smekal</i>
17:15 Femoral tunnel placement - TT vs. AM	<i>Victor</i>
17.25 New materials in screws and loops - what tells the lab?	<i>Klötzli</i>
17.35 Indirect fixation - only a benefit for the surgeon?	<i>Burkart</i>
17.45 The influence of medical sciences on developing a new brace	<i>Leitloff</i>

18.15 **Industrial Hands-on Workshops**

# Scientific Program

Saturday, 9th March 2013

Part 7:	<b>How do I do my INITIAL ACL - Video Session and Mini Battle</b>	<i>Chairmen: Smekal / Zantop</i>
08.00	Presentation of indication for ACL reconstruction in a single or double bundle technique, graft choice, tunnel placement and fixation technique	<i>Schöttle / Victor / Dirisamer</i>
Part 8:	<b>Revision ACL and Combined Instability</b>	<i>Chairmen: Weiler / Zantop</i>
08.45	Is the ACL rerupture really traumatic?	<i>Hinterwimmer</i>
09.00	Additional lesions in a chronic unstable knee	<i>Dirisamer</i>
09.15	Radiological examination in case of ACL rerupture	<i>Pagenstert</i>
09.30	ACL Augmentation after initial insufficient surgery	<i>Schöttle</i>
09:45	Strategy in ACL revision surgery (one time/two time surgery/graft choice)	<i>Weiler</i>
Part 9:	<b>PCL and Multiligamentous Injuries</b>	<i>Chairmen: Ostermeier / Dirisamer</i>
10.15	Anatomy and function of the PCL	<i>Zantop</i>
10.25	Initial treatment of an isolated PCL injury	<i>Weiler</i>
10.35	PCL after ACL	<i>Schöttle</i>
10.45	Strategy in the treatment of combined central and peripheric lesions	<i>Weiler</i>
Part 10:	<b>Patellofemoral Degeneration</b> <i>On cottage Gügge!</i>	<i>Chairmen: Munzinger / Victor</i>
17.00	Biomechanics and surgical anatomy	<i>Stäubli</i>
17.10	Joint preserving soft tissue techniques	<i>Becker</i>
17.20	Joint preserving techniques around the bone	<i>Smekal</i>
17.30	Transfer of the tuberosity and tibiofemoral loading	<i>Ostermeier</i>
17.40	Patellofemoral replacement: Onlay technique	<i>Dirisamer</i>
17.50	Patellofemoral replacement: combined techniques and case discussion	<i>Schöttle</i>
18.15	<b>Farewell</b>	<i>Munzinger / Schöttle / Victor</i>
19.30	<b>Cottage Event „Châlet Gügge!“</b>	



# Sponsors and Exhibitors

**We thank the following companies for sponsoring the congress:**



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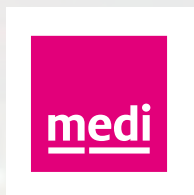
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# Allgemeine Informationen

## Veranstaltungsort:

Morosani Schweizerhof Davos  
Promenade 50  
7270 Davos Platz, SCHWEIZ  
[www.schweizerhof.morosani.ch](http://www.schweizerhof.morosani.ch)



## Wissenschaftliches Programm:

Je nach Referent werden die Vorträge in englischer oder deutscher Sprache gehalten.

## Rahmenprogramm:

Hüttenabend: Samstag, 9. März 2013

Beginn: 19:30 Uhr, im Anschluss an die letzte Session

Gebühr: 60,00 € pro Person (3 Gänge Menü sowie Getränke inklusive)

Ort: Châlet Guggel, [www.chaletgueggel.ch](http://www.chaletgueggel.ch)

Das Bergrestaurant Châlet Guggel liegt nur wenige Meter unterhalb des Jakobshorn-  
gipfels mitten im Skigebiet. Bei geeigneten Bedingungen wird im Anschluss an den  
Hüttenabend gemeinsam mit den Skiern oder mit der Gondel ins Tal abgefahren.

## Zertifizierung:

Die Veranstaltung hat das AGA Gütesiegel erhalten  
und ist durch die EFORT zertifiziert.

Es werden 16 Crédits von der SGOT - SSOT  
und 15 Crédits von der SGC - SSC vergeben.



## Abstractband:

Zum Kongress wird ein Abstractband gedruckt, in dem alle Vorträge veröffentlicht  
werden und ausreichend Platz für Anmerkungen zur Verfügung steht. Diesen erhalten  
Sie am Registrierungscounter vor Ort.

## Websites:

[www.kneeupdate.com](http://www.kneeupdate.com)  
[www.gelenkzentrum.com](http://www.gelenkzentrum.com)  
[www.intercongress.de](http://www.intercongress.de)

Weitere Informationen finden Sie auf [www.intercongress.de](http://www.intercongress.de)

# Important Information

## Congress Venue:

Morosani Schweizerhof Davos  
Promenade 50  
7270 Davos Platz, SCHWEIZ  
[www.schweizerhof.morosani.ch](http://www.schweizerhof.morosani.ch)



## Scientific Program:

Depending on the speaker the lectures will be held in german or in english.

## Social Program:

Cottage evening: Saturday, March 9, 2013

Start: 7.30 pm, directly after the last session

Fee: € 60,00 per Person (3-course dinner, drinks are included)

Venue: Châlet Guggel, [www.chaletguggel.ch](http://www.chaletguggel.ch)

The Châlet Guggel is located only a few meters downhill from the "Jakobshorn Gipfel" directly in the skiing area. In case of suitable weather conditions there is the possibility for a departure either on skis or by cable car after the cottage evening.

## Certification:

The congress is certified by the "AGA Gütesiegel" as well as the "EFORT". For your participation you will receive 16 credits of the SGOT - SSOT and 15 Crédits of the SGC - SSC .



## Abstract Book:

All participants and industrial partners will receive an abstract book which contains all lectures as well as sufficient space for notes. Abstract books can be collected directly at the registration desk.

## Websites:

[www.kneeupdate.com](http://www.kneeupdate.com)  
[www.gelenkzentrum.com](http://www.gelenkzentrum.com)  
[www.intercongress.de](http://www.intercongress.de)

For further information and registration please visit our website: [www.intercongress.de](http://www.intercongress.de)

# DAVOS

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