

HIGHLIGHTS BOOK

9th **M.O.R.E.**
INTERNATIONAL
SYMPOSIUM

11-13 APRIL 2019
Lugano, Switzerland

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20th
ANNIVERSARY
20

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International 

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From April 11th to April 13th Medacta's **9th M.O.R.E. International Symposium** was held in Lugano, Switzerland.

This was a unique and exciting event, celebrating the **20th Anniversary of Medacta** and scientifically focused on **Personalized Medicine** and the impact of customizable tools and patient-matched solutions in various orthopaedic disciplines.

Medacta and the M.O.R.E. Institute welcomed 1,500 attendees from all over the world. Besides joint and spine sessions, the symposium - for the first time - included sessions focused on shoulder, knee and hip treatments for sports medicine.

More than 130 Faculty members presented at the meeting at the Lugano Convention Center (Joint and Sports Medicine sessions) and in the Exhibition Center Lugano - Conza Pavilion (Spine sessions).



9th MORE. INTERNATIONAL SYMPOSIUM

Below are overviews for the programs that took place during the congress:

Knee Sports Medicine Day (Thursday, April 11)

Designed with the patient and the anatomy in mind, the M-ARS ACL is an original concept that successfully mimics the native anatomical ACL while reconstructing it.

This concept includes dedicated implant, instruments and surgical technique.

Knee Arthroplasty Day (Friday, April 12)

A successful and satisfactory knee replacement is achieved by mastering individual biomechanics and a range of dedicated techniques, personalized for each patient.

This will optimize treatment, minimize tissue sacrifice and take advantage of state of the art technological support.

Shoulder Sports Medicine Day (Friday, April 12)

Shoulder instability and rotator cuff repairs require multiple devices and multiple techniques to achieve the goal of shoulder arthroscopic surgeries: pain relief and restored motion. Implant versatility is the key to support surgeons in personalized patient treatments.

Hip Sports Medicine Day (Friday, April 12)

Arthroscopic treatments for hip deformities and/or intra-articular damages are becoming more and more popular, aiming to halt degeneration of the joint and to prevent hip osteoarthritis. Providing personalized solutions is the way to foster these surgeries.

Spine Sessions (Friday, April 12 - Saturday, April 13)

How new trends and novel technologies, along with personalized patient specific treatments, can positively affect surgical practice with optimized clinical outcomes.

Hip Arthroplasty Day (Saturday, April 13)

Modern tools and techniques span from pre-operative simulation and planning, to revision and component removal.

Shoulder Arthroplasty Day (Saturday, April 13)

Shoulder Arthroplasty is the fastest growing segment in orthopedics, mainly due to the clinical results provided by the modern products available. Innovation and reproducibility are key to ensure excellent long-term results.



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9th MORE. INTERNATIONAL SYMPOSIUM



9th MORE. INTERNATIONAL SYMPOSIUM

11-13 APRIL 2010
THE SHANGHAI CONFERENCE CENTER

PERSONALIZED MEDICINE

Advancements in Genomics and personalized data
will drive the evolution of the pharmaceutical industry

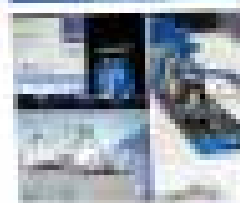
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PERSONALIZED MEDICINE

A combination of products and services that will drive the evolution of the medical world.



KEYNOTE SPEAKERS

JOINT SESSION

Bernhard JOST (CH)
Douglas PADGETT (US)

SPORTS MED SESSION

Matthias ZUMSTEIN (CH)

SPINE SESSION

Paul HEINI (CH)
Klaus RADERMACHER (DE)

CHAIRMEN

JOINT SESSION

Knee day: 12th April

Peter KOCH (CH)
Gareth SCOTT (UK)

Hip day: 13th April

Francesco M. BENAZZO (IT)
Tyler D. GOLDBERG (US)

Shoulder day: 13th April

Ralph HERTEL (CH)
Matthew D. SALTZMAN (US)

SPORTS MED SESSION

Knee day: 11th April

Christian FINK (AT)
Rainer SIEBOLD (DE)

Hip day: 12th April

Frédéric LAUDE (FR)
John O'DONNELL (AU)

Shoulder day: 12th April

Leesa M. GALATZ (US)
Markus SCHEIBEL (DE)

SPINE SESSION

Spine day 1: 12th April

Richard GUYER (US)
Manabu ITO (JP)

Spine day 2: 13th April

Paul HEINI (CH)
Christoph-Eckhard HEYDE (DE)

FACULTY

JOINT SESSION

Matthew Beal (US)
David Benzaquen (FR)
Leela Biant (GB)
Olivier Borens (CH)
Piero Budassi (IT)
Panayiotis Christofilopoulos (CH)
Cesare Faldini (IT)
Richard Field (GB)
David Frohnmüller (DE)
Robert Greenhow (US)
Wade Harper (AU)
Alister Hart (GB)
Naeder Helmy (CH)
Nicolas Holzer (CH)
Stephen M. Howell (US)
David Jevsevar (US)
Yoshinori Kadoya (JP)
Fabian Kalberer (CH)
Luc Kerboull (FR)
Jeffrey Mandume Kerina (US)
Frédéric Laude (FR)
Chien-Wen Liew (AU)
John Maltry (US)
David Manning (US)
John Masonis (US)

Joel Matta (US)
Michael McAuliffe (AU)
Ryan G. Molli (US)
Christophe Monnin (FR)
Peter Müller (DE)
Akbar Nawab (US)
Andrew Price (GB)
Pietro Simone Randelli (IT)
Daevyd Rodda (AU)
Jose A. Rodriguez (US)
Fernando Sanchez (US)
Tom Savvoulidis (AU)
Anup Shah (US)
John Skinner (GB)
Michael Suk (US)
William R. Taylor (CH)
Peter Thadani (US)
Bruno Toussaint (FR)
Philippe Van Overschelde (BE)
Jonathan Vigdorichik (US)
Rüdiger von Eisenhart-Rothe (DE)
Henning Windhagen (DE)
Patrick Zingg (CH)
Matthias Zumstein (CH)

SPORTS MED SESSION

Jitendra Balakumar (AU)
Martin Beck (CH)
Josip N. Cakic (ZA)
Christian Candrian (CH)
Panayiotis Christofilopoulos (CH)
John G. Costouros (US)
Matteo Denti (CH)
Michael Dienst (DE)
Benjamin Domb (US)
Thomas Ellis (US)
Richard Field (GB)
Michael B. Gerhardt (US)
Mirco Herbort (DE)
Bernhard Jost (CH)

Fabian Kalberer (CH)
Peter Koch (CH)
Franz Sebastian Kralinger (AT)
Andreas M. Müller (CH)
Akbar Nawab (US)
Reza Omid (US)
Eden Raleigh (AU)
Marc Safran (US)
Parminder J. Singh (AU)
Robert Jacek Smigielski (PL)
Olivier Verborgt (BE)
Andreas Weiler (DE)
Tim Whitehead (AU)

SPINE SESSION

Yuichiro Abe (JP)
Kuniyoshi Abumi (JP)
Michael Akbar (DE)
Christian Bach (AT)
Rudolf Bertagnoli (DE)
Evalina Burger-Van Der Walt (US)
Alessandro Ducati (IT)
Michael Duffy (US)
Cesare Faldini (IT)
Mazda Farshad (CH)
Jörg Franke (DE)
Jeffrey Henn (US)
Richard Hynes (US)
Deszö J. Jeszenszky (CH)
Takashi Kaito (JP)
Andrew Kam (AU)
Frank Kandziora (DE)
Yoshiharu Kawaguchi (JP)
Larry Khoo (US)

Christopher CJ Kleck (US)
Claudio Lamartina (IT)
Geert Mahieu (BE)
Keitaro Matsukawa (JP)
Kevin J. McGuire (US)
Ralph Mobbs (AU)
Brian Nielsen (US)
Itaru Oda (JP)
Markus Pietrek (DE)
Francois Porchet (CH)
Michael Rauschmann (DE)
Nima Salari (US)
Kanji Sasaki (JP)
Gabriel C. Tender (US)
Kevin Tschöke (DE)
Patricia Verstraete (BE)
Mark Wang (US)
Clément Max Léonard Werner (CH)
Michael Winking (DE)

Thursday, April 11th - **KNEE SPORTS MED DAY**

from 12.00pm to 06.00pm - Lugano Convention Center

12.00pm LUNCH

01.30pm Knee Sports Med day opening

01.40pm SESSION 01 - ACL REPAIR

Moderator: R. Siebold

Case presentation: ACL repair

R. Siebold

ACL anatomy: understanding nature

R. Smigielski

Single bundle reconstruction

M. Denti

Double bundle reconstruction

R. Siebold

M-ARS: design rationale

C. Fink

M-ARS: surgical technique

M. Herbort

Discussion and case solution

03.10pm COFFEE BREAK

03.40pm SESSION 02 - ACL REVISION SURGERY

Moderator: R. Smigielski

Case presentation: ACL revision surgery

R. Smigielski

Options: where to harvest?

A. Weiler

Options: what has been done?

P. Koch

Options: what to do?

T. Whitehead

Discussion and case solution

04.50pm SESSION 03 - OTHER LIGAMENTS

Moderator: C. Fink

Session introduction

C. Fink

Case presentation: collateral ligament

M. Herbort

My way of PCL reconstruction: options for getting better

A. Weiler

Case presentation: meniscus

A. Nawab

Discussion

05.50pm Knee Sports Med day closure

SESSION 01 - ACL REPAIR

Return to anatomy is the trend, focusing on anatomic femoral/tibial tunnels and anatomic graft reconstruction and insertion. Technique, dedicated tools and proper training are crucial.

SESSION 02 - ACL REVISION SURGERY

ACL re-tear rates are still increasing due to multiple factors. Different strategies are possible but the goal is to treat a re-tear as primary surgery to raise the expected outcomes.

SESSION 03 - OTHER LIGAMENTS

“Minor” ligaments and, even more, meniscus tears are repaired more often than ever thanks to novel techniques and available technologies. Results are encouraging.

Friday, April 12th - **KNEE JOINT REPLACEMENT DAY**

from 08.45am to 06.15pm - Lugano Convention Center

08.45am	WELCOME	
09.05am	Knee Joint Replacement day opening	
09.10am	Making surgery special	D. Padgett
09.30am	SESSION 01 - BIOMECHANICS AND KNEE SURGERY	Moderator: G. Scott
	Session opening	G. Scott
	Biomechanics and kinematics of the knee joint	W. R. Taylor
	Calipered kinematic alignment: a personalized approach to TKA surgery	S. Howell
	Kinematic alignment meets kinematic design	H. Windhagen
	Partial problems and total solutions!	A. Price
	Discussion	
10.35am	Prof. Freeman Memorial	G. Scott
10.50am	COFFEE BREAK	
11.15am	SESSION 02 - VALGUS KNEES AND CHALLENGES	Moderator: J. Masonis
	Case presentation: mild valgus	J. Masonis
	Valgus knees treated with GMK Sphere in a controlled ODEP study of 500 patients	R. Field
	How I use what implant in valgus knees	D. Manning
	Kinematic alignment for valgus knees. Am I crazy?!	P. Thadani
	A balanced approach to valgus knees with medially stabilized implants	P. Van Overschelde
	GMK Sphere for patients with high-flexion demand	Y. Kadoya
	Discussion and case solution	
12.50pm	LUNCH	

SESSION 01 - BIOMECHANICS AND KNEE SURGERY

The key to achieving patient satisfaction in knee replacement requires an understanding of the knee biomechanics and personalized reproduction of the individual biomechanical environment. What is the role of implant alignment?

SESSION 02 - VALGUS KNEES AND CHALLENGES

Is it possible to apply the biomechanical concepts discussed in the first session to the valgus knees? Or is a different treatment required? This session, based on case discussion, explores which strategies and devices can be successfully applied, with a focus on the use of Medially Stabilized implants in valgus knees.

KNEE JOINT REPLACEMENT DAY

02.00pm **SESSION 03 - THE JOYS AND CHALLENGES OF PARTIAL KNEE REPLACEMENT** **Moderator:** R. Molli

Case presentation: bi-lateral wear mostly medially R. Molli

Indication and failure, do implants matter? N. Helmy

Patient optimization pathways, personalized medicine J. M. Kerina

Finding the perfect combination of implant and technique A. Nawab

Accuracy and precision in UKA. What really matters P. Koch

Discussion and case solution

03.15pm **SESSION 04 - TECHNOLOGIES FOR PERSONALIZED AND OPTIMIZED PATIENT SOLUTIONS** **Moderator:** L. Biant

Session opening L. Biant

Can reliable tools become more efficient - single use solutions J. Maltry

Efficiency KneePack: LEAN process in TKA D. Benzaquen

Enhanced intra-operative assessment: new technologies for personalized ligament analysis M. McAuliffe

What "value" means to patients and the role of technology M. Suk

Discussion

04.15pm COFFEE BREAK

04.45pm **SESSION 05 - REVISION TKA: FROM MISSION IMPOSSIBLE TO SUCCESS** **Moderator:** P. Koch

Session opening P. Koch

Unique challenges deserve unique solutions T. Savvoulidis

Constraint: when to use what? M. Beal

Fixation: when to use what? F. Sanchez

A protocol for effective infection management O. Borens

Discussion

05.50pm Knee Joint Replacement day closure

06.00pm 20th ANNIVERSARY: twenty years of innovation supported by education

SESSION 03 - THE JOYS AND CHALLENGES OF PARTIAL KNEE REPLACEMENT

Limiting treatment only to what is essential: how can we minimise the removal of functioning tissues? Partial replacement and personalized conservative strategies are discussed over a real case, covering indications, implant design, surgical technique and supporting technologies.

SESSION 04 - TECHNOLOGIES FOR PERSONALIZED AND OPTIMIZED PATIENT SOLUTIONS

How can we benefit from advances made by contemporary manufacturing technologies?

In this session, the panel discusses the impact of technology and the health economics environment on the knee replacement procedure.

SESSION 05 - REVISION TKA: FROM MISSION IMPOSSIBLE TO SUCCESS

When the water is rising and the surgical team is sweating: the difficult cases that everyone wants to see in his/her past only. This session reviews strategies and tools to manage revisions and infections.

Friday, April 12th - **SHOULDER SPORTS MED DAY**

from 08.45am to 01.00pm - Lugano Convention Center

08.45am	WELCOME	
09.05am	Shoulder Sports Med day opening	
09.10am	New trends in understanding shoulder pathology and arthroscopic treatments	M. Zumstein
09.30am	SESSION 01 - INSTABILITY	Moderator: L. Galatz
	Case presentation: shoulder instability	L. Galatz
	Algorithm of treatment of shoulder instability	F. Kralinger
	The Latarjet technique	C. Candrian
	The Bankart technique	A. Müller
	Bone block procedures: indications and techniques	O. Verborgt
	Current results and new trends	E. Raleigh
	Discussion and case solution	
11.00am	COFFEE BREAK	
11.30am	SESSION 02 - ROTATOR CUFF TREATMENTS	Moderator: M. Scheibel
	Case presentation: rotator cuff tear	M. Scheibel
	Balloon interspace arthroplasty	R. Omid
	Superior capsular reconstruction	J. Costouros
	Reverse TSA for irreparable rotator cuff tears	B. Jost
	When is a tendon transfer the solution?	M. Zumstein
	Discussion and case solution	
12.50pm	Shoulder Sports Med day closure	
01.00pm	LUNCH	

SESSION 01 - INSTABILITY

Latarjet, Bankart, Bone Block, multiple muscle transfer: those are just some of the options to address shoulder instability. Is there an algorithm to follow?

SESSION 02 - ROTATOR CUFF TREATMENTS

New rotator cuff treatments are showing moderate results (as the interspace balloons), promising results (as SCR) but still controversial. RTSA is a solid and reliable solution, coupled with muscle transfer in case of major muscles inefficiencies.

Friday, April 12th - HIP SPORTS MED DAY

from 01.00pm to 06.15pm - Lugano Convention Center

01.00pm LUNCH

02.00pm Hip Sports Med day opening

02.10pm SESSION 01 - LABRAL TREATMENTS

Moderator: J. O'Donnell

Introduction into labral repair

J. O'Donnell

Why is the labrum important?

M. Safran

When to debride-detach-recess-repair the labrum

R. Field

Anchor placement: portals, direction, distance to cartilage

P. Christofilopoulos

Treatment options for the chondrolabral junction and labral repair technique in different pathologies

J. Cakic

Pitfalls and complications of labral surgery

T. Ellis

Discussion

03.45pm COFFEE BREAK

04.10pm SESSION 02 - UNSTABLE HIP PRESERVATION

Moderator: F. Laude

Case Presentation: Unstable hip

F. Laude

Hip stability - osseous and soft tissue stabilizers of the hip joint

M. Dienst

Wave sign

P. J. Singh

Borderline hips - when to do what?

M. Beck

Microinstability of the hip in the athlete

B. Domb

Minimal invasive PAO

J. Balakumar

Are there still indications for surgical hip dislocation?

F. Kalberer

My strategies for resecting the pincer and cam

M. Gerhardt

Discussion and case solution

05.55pm Hip Sports Med day closure

06.00pm 20th ANNIVERSARY: twenty years of innovation supported by education

SESSION 01 - LABRAL TREATMENTS

Debridement, repair and replacement are the most common hip labral tear surgical treatments, dependent upon the severity of the tear. How those procedures have evolved and what are the recommendations for the future?

SESSION 02 - UNSTABLE HIP PRESERVATION

Hip preservation surgery for the treatment of pre-arthritis hip pain is becoming more widespread as a result of a dedicated patient specific customized solution. Real cases presentations are representing the actual options.

Friday, April 12th - **SPINE DAY 1**

from 08.45am to 06.15pm - Lugano Exhibition Center - MAC 6

08.45am	WELCOME	
09.05am	Spine Day 1 opening	
09.15am	20 years of computer assistance in spine surgery - a technical review of history and trends	K. Radermacher
09.35am	SESSION 01 - HOW CRITICAL IS PRE-OPERATIVE PLANNING IN SPINE SURGERY?	Moderator: M. Farshad
	Planning in spinal surgery: introduction & case presentation	M. Farshad
	Challenging spine surgeries supported by 2D planning methods	N. Salari
	The role of 3D imaging for preoperative planning in spine surgery	J. Henn
	2D vs 3D surgery planning: a debate on strengths and limits Discussion and case solution	B. Nielsen vs M. Akbar
10.45am	COFFEE BREAK	
11.15am	SESSION 02 - NAVIGATED ASSISTED MIDLINE CORTICAL SCREW FIXATION: A REVOLUTION IN MIS SURGERY	Moderator: C. Bach
	Session opening	C. Bach
	The Cortical Bone Trajectory (CBT) advantage: the perspective of the inventor	R. Hynes
	Midline cortical approach: a new paradigm for the cortical bone screws	K. Matsukawa
	Navigated assisted technique in midline cortical approach: an added value for MIS surgery	G. Mahieu
	Midline cortical: minimally invasive surgery for maximal muscle sparing	A. Ducati
	Debate: MySpine MC vs standard MIS and open approaches	P. Verstraete vs M. Wang vs K. Tschöke
	Discussion	

SESSION 01 - HOW CRITICAL IS PRE-OPERATIVE PLANNING IN SPINE SURGERY?

Pre-operative planning in spine surgery is a strong tool to predict the correction of a scoliotic spine and guide surgical treatment in degenerative spine, as a function of the patient characteristics. 3D planning, rather than 2D, may represent a more significant predictive instrument to simulate the real spine structure and its instrumentation.

SESSION 02 - NAVIGATED ASSISTED MIDLINE CORTICAL SCREW FIXATION: A REVOLUTION IN MIS SURGERY

A midline Cortical approach, with diverging long screws driven through the strong cortical vertebral bone, represents a powerful alternative to the traditional pedicle screw trajectory because of its strong fixation and minimal invasiveness resulting in an important outcome in terms of patient wellness.

SPINE DAY 1

12.50pm LUNCH

02.15pm **SESSION 03 - SUCCESSFUL CLINICAL STRATEGIES FOR CERVICAL DEGENERATIVE SPINE AND DEFORMITY** **Moderator:** I. Manabu

Session opening I. Manabu

Small pedicles: how to reduce the risk of patient injuries? I. Oda

Cervical pedicle screw vs lateral mass fixation: a plus for deformity and degenerative spine K. Abumi

Cervical pedicle screw supported by navigated assisted patient matched technology M. Winking

Ossification of posterior longitudinal ligament syndrome: a common spine disorder in Japan Y. Kawaguchi

ACDF vs cervical disc arthroplasty: indications, long term results and trends F. Porchet

Osteotomies in cervical spine: are they really needed? A. Kam

Revision, deformity and tumor in the cervical and cervicothoracic spine. Treatment planning and therapeutic options M. Rauschmann

Discussion

04.00pm COFFEE BREAK

04.35pm **SESSION 04 - CURRENT TECHNOLOGIES IN SPINE SURGERY AND FUTURE TRENDS** **Moderator:** R. Guyer

The role of current technologies in spine surgery R. Guyer

Patient matched technologies & patient specific implants: solutions built around the unique anatomy of each patient R. Mobbs

Navigation, robotics and the surgeon: does it improve outcomes? E. Burger-Van Der Walt

Augmented and virtual reality: a piece of future into the OR? Y. Abe

Future trends: where will we go? R. Guyer

Discussion

05.50pm Spine Day 1 closure

06.00pm 20th ANNIVERSARY: twenty years of innovation supported by education

SESSION 03 - SUCCESSFUL CLINICAL STRATEGIES FOR CERVICAL DEGENERATIVE SPINE AND DEFORMITY

Learn and discuss relevant advancements in cervical spine surgery with emphasis on challenging anatomies and how to treat them with patient specific technology that demonstrates the application of selected technique options for various cervical spinal procedures.

SESSION 04 - CURRENT TECHNOLOGIES IN SPINE SURGERY AND FUTURE TRENDS

With the improvement of navigator-assisted techniques and robotics, many forms of spine surgery we currently do may be replaced with outpatient procedures with minimal recovery and improved function.

Saturday, April 13th - HIP JOINT REPLACEMENT DAY

from 09.00am to 04.00pm - Lugano Convention Center

09.00am	Hip Joint Replacement day opening	
09.10am	Ten years outcomes using the Quadra and the Versafitcup systems through the AMIS technique	P. Zingg
09.20am	Medacta Hip Results	D. Bergadano
09.30am	SESSION 01 - PLANNING TO SUCCEED	Moderator: F. M. Benazzo
	Session opening	F. M. Benazzo
	Improving accuracy using patient specific guides	A. Hart
	Choosing the right stem	J. A. Rodriguez
	Optimizing instruments and implants. An easier, better day in the OR	F. Kalberer
	Simplifying the hip-spine relationship in THR	J. Vigdorchik
	3D planning for 3D patients!	P. Christofilopoulos
	Reproducing what was planned	D. Frohnmüller
	Discussion	
11.05am	COFFEE BREAK	
11.30am	SESSION 02 - OPTIMIZING EDUCATION - US AND THEM	Moderator: D. Jevsevar
	Session opening	D. Jevsevar
	The role of personalized education: my AMIS experience	C.-W. Liew
	The effectiveness of a planning tool, 3D printed guides and targeted education on surgical learning curve	J. Skinner
	Educating and managing patients using today's technology	D. Rodda
	Pushing the surgeon frontier - the bikini incision	R. Field
	Making AMIS work in an outpatient setting	R. Greenhow
	Discussion	
12.50pm	LUNCH	

SESSION 01 - PLANNING TO SUCCEED

Total hip replacement offers great satisfaction perspectives to patients and surgeons alike. Despite this, some patients still score poorly and it is extremely important to reduce such conjuncture as much as possible. For this reason, personalized planning procedures, coupled with intelligent and active instruments, can be used to optimize results.

SESSION 02 - OPTIMIZING EDUCATION - US AND THEM

How can we optimize the patient experience for total hip replacement? A minimally invasive surgical technique, carefully learnt, and a well-constructed personalized pathway before and after the surgery are the key to achieving successful results.

HIP JOINT REPLACEMENT DAY

02.00pm	SESSION 03 - REVISION REVISITED	Moderator: T. D. Goldberg
	Session opening	T. D. Goldberg
	Challenges and solutions in revision THR	C. Faldini
	Revision surgery following anterior approach THA: is the choice of approach always anterior?	J. Matta
	Why use the Kerboull Cage in acetabular reconstruction?	L. Kerboull
	The Versacem Cup for patients at high risk of instability	R. von Eisenhart-Rothe
	Surgical strategies for femoral revision	J. Masonis
	Could shorter be better? The "Desescalade" technique	F. Laude
	Case discussion	
03.55pm	Hip Joint Replacement day closure	
04.00pm	Close of the 9 th M.O.R.E. International Symposium	

SESSION 03 - REVISION REVISITED

Removal and replacement of failed implants is still a challenge that needs specific training, dedicated tools and profound knowledge of the variety of surgical strategies. This has been discussed and real cases has been shown for review.

Saturday, April 13th - **SHOULDER JOINT REPLACEMENT DAY**

from 09.00am to 04.00pm - Lugano Convention Center

09.00am Shoulder Joint Replacement day opening

09.10am Shoulder arthroplasty: what I have learned in the past 15 years B. Jost

09.30am SESSION 01 - HUMERUS

Moderator: M. Saltzman

Case presentation: primary osteoarthritis without glenoid deficiency

M. Saltzman

Humerus - 3D Planning

P. Müller

When should you use a standard stem, and how do you do it?

M. Zumstein

Short stem: when and why?

C. Monnin

The stemless option

B. Jost

Discussion and case solution

PSI: when is it helpful?

P. Müller

11.00am COFFEE BREAK

11.25am SESSION 02 - GLENOID IN ANATOMIC

Moderator: R. Hertel

Case presentation: primary osteoarthritis with glenoid deficiency

R. Hertel

Glenoid in anatomic - 3D planning

W. Harper

Standard PE glenoid: reaming the high side

A. Shah

Augmented PE implants to preserve bone

M. Saltzman

Straight reverse is the solution

B. Toussaint

The mirror could be the solution

C. Monnin

Discussion and case solution

01.00pm LUNCH

SESSION 01 - HUMERUS

Humeral components choice and fixation is a debated topic: choices are not only driven by surgeon preferences or literature results but supported by sophisticated 3D planning tools.

SESSION 02 - GLENOID IN ANATOMIC

Glenoid implant positioning is the most controversial topic. Different concepts are all aiming at one goal: improve function and foster long term survival. Defining the pathology, improving surgical planning, improving surgical tools and providing adequate implants to implement the plans represent a strong value chain that might be transformative.

SHOULDER JOINT REPLACEMENT DAY

02.15pm	SESSION 03 - GLENOID IN REVERSE	Moderator: M. Zumstein
	Case presentation: combined irreparable cuff deficiency and glenoid deficiency	M. Zumstein
	Optimal component positioning in reverse shoulder arthroplasty	P. Randelli
	Bone augmented glenoid offset in reversed shoulder arthroplasty, where are we?	N. Holzer
	Bone grafting with a threaded baseplate	A. Shah
	Metal augmented solutions	P. Budassi
	Discussion and case solution	
03.45pm	Shoulder Joint Replacement day closure	
04.00pm	Close of the 9 th M.O.R.E. International Symposium	

SESSION 03 - GLENOID IN REVERSE

Baseplate positioning to maximize abutment-free range of motion in glenoid bone defects is the challenge. The state of the art and guidelines are discussed through case presentation and interactive panel discussion.

Saturday, April 13th - **SPINE DAY 2**

from 09.00am to 03.15pm - Lugano Exhibition Center - MAC 6

09.00am Spine Day 2 opening

09.10am Modern school vs heavy metal P. Heini

09.30am SESSION 05 - SURGICAL TREATMENTS IN CHALLENGING AGEING SPINE **Moderator:** F. Kandziora

Session opening F. Kandziora

MIS techniques for segmental sagittal balance restoration L. T. Khoo

Adult deformity: can assisted navigation technique make it easier? C. Lamartina

Stand Alone ALIF cages and circumferential approaches: a tool for optimal balance recovery C. J. Kleck

The ALIF: an MIS approach for the challenging degenerative lumbar spine M. Duffy

Minimally invasive TLIF options for lumbar spondylolisthesis G. C. Tender

The impact of bridging cages in osteoporotic patients C.-E. Heyde

Management of osteoporotic patients with degenerative disease: time to augment? J. Franke

Discussion

11.05am COFFEE BREAK

11.30am SESSION 06 - ADOLESCENT SPINE DEFORMITY AND TREATMENT OPTIONS **Moderator:** C.-E. Heyde

Session opening C.-E. Heyde

2D vs 3D dimensional plan alignment in adolescent idiopathic scoliosis K. Sasaki

Multi segmental manoeuvres for the recovery of thoracolumbar alignment and spino-pelvic harmony in AIS C. Faldini

The impact of personalized medicine in challenging spine deformities D. Jeszszenszky

Debate: decreasing radiation exposure during spine surgery and interventional procedures T. Kaito vs K. McGuire

Discussion

SESSION 05 - SURGICAL TREATMENTS IN CHALLENGING AGEING SPINE

Treatment of the adult ageing spine is challenging due to the complex nature of anatomical degeneration/deformity and high prevalence of comorbidities. Spino-pelvic harmony recovery is a key factor that can be assisted by software and hardware.

SESSION 06 - ADOLESCENT SPINE DEFORMITY AND TREATMENT OPTIONS

AIS can be corrected by several surgical techniques as a result of a posterior fixation and the revamp of anterior approaches and less impacting surgical practices. The need to reduce dose irradiation during diagnosis is a natural demand for these young patients.

SPINE DAY 2

12.45pm LUNCH

02.00pm	SESSION 07 - INCIDENCE OF REVISION SURGERY TREATMENTS RATIONALE AND COMPLICATIONS	Moderator: E. Burger-Van Der Walt
	Session opening	E. Burger-Van Der Walt
	Surgical tactics to overcome proximal junction kyphosis and revision treatments	R. Bertagnoli
	Clinical outcome following revision surgery for lumbar pseudarthrosis: which treatment fits best?	M. Pietrek
	SI joint fusion in rescue surgeries: an eligible treatment?	C. Werner
	Non-union, implant misplacement, neurologic deficit, ASD and sagittal plan deformity: 5 major reasons for spinal revision surgery in one case	F. Kandziora
	Discussion	

03.05pm Spine Day 2 closure

03.15pm Close of the 9th M.O.R.E. International Symposium

SESSION 07 - INCIDENCE OF REVISION SURGERY TREATMENTS RATIONALE AND COMPLICATIONS

Revision spine surgeries are technically challenging with inconsistent outcome results and are caused by a lack of primary treatment performance. Several techniques, supported by better planning, can help to approach them properly.



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