

Preliminary programs

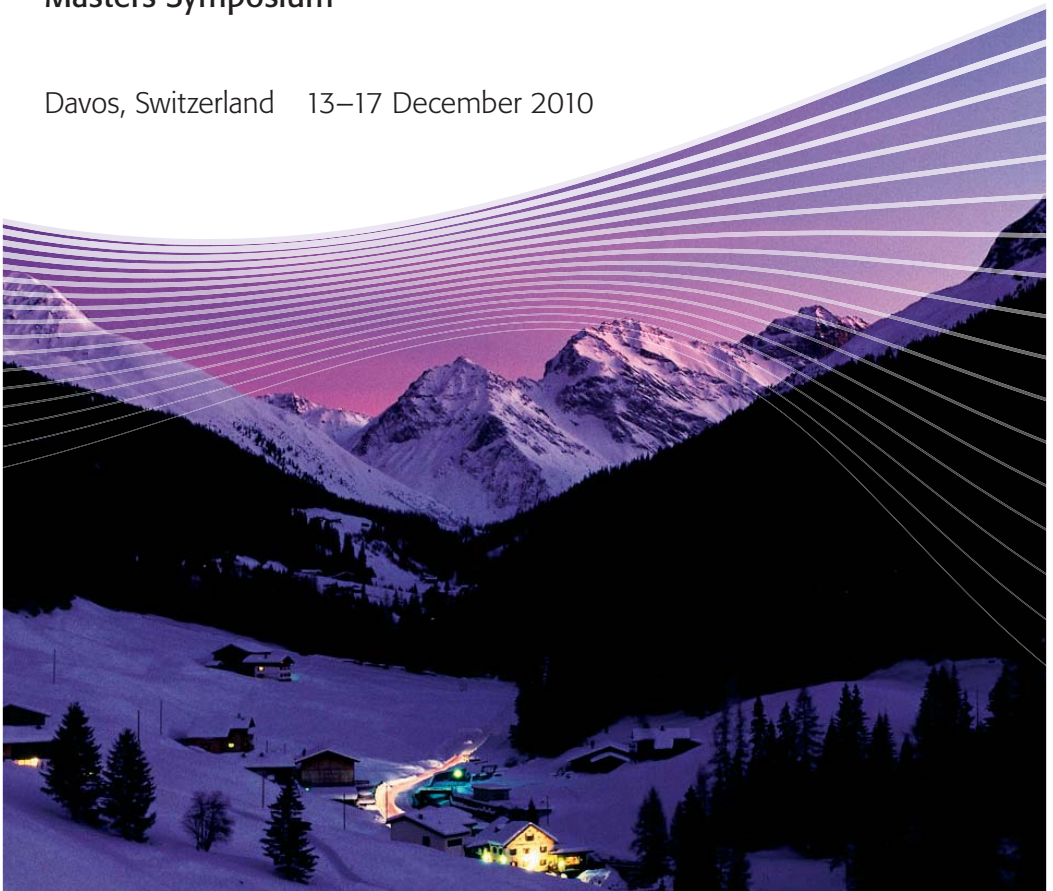
AOSpine—Davos Courses 2010

Advanced Courses

- The degenerative cervical spine and spinal trauma
- The degenerative cervical spine, deformities and tumors
- The degenerative lumbar spine and spinal trauma
- The degenerative lumbar spine, deformities and tumors

Masters Symposium

Davos, Switzerland 13–17 December 2010



AOSpine Mission

Our purpose and responsibility is to shape our members skills and understanding of spine principles; to establish new values and incentives for the creation of knowledge, the sharing of wisdom, and the development of new tools and techniques that improve patient care, patient outcomes, and the cost effectiveness of spine surgery. [Excellence in Spine](#)

Welcome to Davos, Grüezi und Willkommen in Davos

Dear Colleagues,

On behalf of AOSpine International, we would like to welcome you to the AOSpine Davos Courses 2010. As our most established educational event—the very origins of AOSpine Education are based in Davos—this event combines all the best of AOSpine Education from the roots of the AO organization, progressing to the modern AOSpine educational activities. The Davos Courses are a perfect combination of highly interactive learning opportunities combined with social activities, all set in an enchanting environment.

For this week in Davos we will combine advanced level interactive courses and a masters level program. Four simultaneous advanced courses will feature interactive modules allowing participants to participate in two course topics of their interest including **lumbar degeneration, cervical degeneration, deformity, tumors, and trauma**. Participants will have an opportunity to learn from and interact with world-class international faculty in interactive case-based presentations, hands-on practical workshops, discussion forums, etc. Participants in the masters level course can interact in a very informal environment with world-renowned experts covering a number of spine topics at a high level.

One of the highlights of the week will be the plenary day on Wednesday where the current controversies in spine surgery will be debated and discussed among faculty and participants, which we are sure will generate a very exciting discussion.

We have assembled a team of internationally renowned faculty representing all of the five AOSpine regions, and it is their goal to share their knowledge and present a highly interactive educational program in a truly unique academic environment. Participants are encouraged to take an active part in discussions, lectures, and presented cases to discuss the controversies, raise important topics, and learn about the different treatments from both the faculty and fellow participants from all over the globe. Please bring your own cases and ideas to the courses, as there will be ample opportunity for detailed discussions. We also invite you to enjoy the magical atmosphere of Davos, while interacting with faculty and other participants from all over the world. We are looking forward to meeting you.

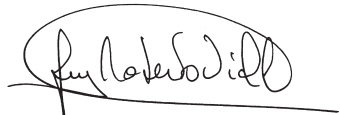
Sincerely,



Jeffrey Wang
Educational Director



Luiz Vialle
Chairperson AOSpine International



Course overview

	Monday, 13 December	Tuesday, 14 December	Wednesday, 15 December	Thursday, 16 December	Friday, 17 December
The degenerative cervical spine and spinal trauma Advanced Course	Degenerative cervical spine	Degenerative cervical spine	1/2 day—plenary day	Spinal trauma	Spinal trauma
The degenerative lumbar spine, deformities, and tumors Advanced Course	Degenerative lumbar spine	Degenerative lumbar spine		Deformities and tumors	Deformities and tumors
The degenerative cervical spine, deformities, and tumors Advanced Course	Deformities and tumors	Deformities and tumors		Degenerative cervical spine	Degenerative cervical spine
The degenerative lumbar spine and spinal trauma Advanced Course	Spinal trauma	Spinal trauma		Degenerative lumbar spine	Degenerative lumbar spine
Masters Symposium	Meet the Expert	Meet the Expert		Meet the Expert	Meet the Expert

Course description

Advanced Courses

Four simultaneous advanced courses are available—each offering a predefined combination of **two modules** from a total of five pathology areas: cervical degeneration, lumbar degeneration, deformities, tumors, and trauma. Two of these topics are offered in one course week.

Please refer to the table on the opposite page to identify those courses that correspond to your topics of interest.

Over the next pages you will find a brief introduction to the individual modules, with the description of their contents.

Masters Symposium

Treatment options and key issues of a variety of topics will be addressed in different sessions by analyzing cases and related evidence-based literature. Each session will feature case presentations by world experts with discussion of treatment options requiring interactive audience participation. The theme throughout the week will be “Meet the Expert”. Following these often heated debates, participants will have a better knowledge of key issues and controversies and will leave with a better understanding of management options for their complex patients in both the clinic and the operating suite.

Plenary day

The plenary day at the midpoint of the course week is a combined session where participants of all courses will focus on current controversies in spinal surgery and participate in a lively debate and discussion on modern topics and novel technologies.

Objectives of plenary day

Participants will be able to:

- Engage in debates and discussions on four controversial main topics, such as, spondylolisthesis, cervical disc herniation, lumbar degenerative disease, and biological aspects
- Compare ideas and treatment preferences of novel technology in certain spinal pathologies where there is high controversy
- Judge on integration of new technology compared to widely accepted traditional procedures
- Evaluate the merits and the disadvantages of current treatment options

Module descriptions

Degenerative cervical spine module

Target participants

This module is targeted at surgeons with more than five years experience in spinal management and with a special interest to improve their knowledge and skills in treating degenerative diseases in the cervical spine.

Aims

The module degenerative cervical spine focuses on the most frequent pathologies that surgeons face in their daily practice, and also addresses complex cases. The module aims to meet participants' needs for the benefit of their patients.

Description

Renowned international faculty will present and outline the most common pathologies and management options of the degenerative cervical spine based on evidence-based medicine. Cases will then be discussed between faculty members and participants so that different treatment options, outcomes, and latest developments can be shared. Practical exercises will further the outcome of this course with regard to the instrumentation of degenerative diseases in the cervical spine. Different sessions will cover conservative and surgical treatment options, anterior or posterior approaches, fusion vs nonfusion, and how to avoid and/or manage complications.

Objectives

Participants will be able to :

- Compare various conservative treatment options for disc degeneration and disc herniation, discuss indications and timing, discuss clinical examination protocols for surgical management considering regeneration updates and results as well as minimally invasive surgery
- Evaluate different surgical alternatives for the management of degenerative cervical spinal diseases, discuss and explain advantages and disadvantages of motion preservation vs fusion based on current clinical results
- Describe benefits and possible complications of anterior vs posterior approaches in multilevel cervical disorders and their different treatment options with or without instrumentation
- Determine the most common complications in cervical spine surgery and explain different ways to avoid them, but more importantly propose how to manage them during and after surgery

Degenerative lumbar spine module

Target participants

This module is targeted at surgeons with more than five years experience in spinal management and with a special interest to improve their knowledge and skills in treating degenerative diseases in the lumbar spine.

Aims

This module comprehensively addresses the degenerative lumbar spine. Participants will learn about possible causes, controversies of diagnosis, and state-of-the-art treatment options.

Description

Lumbar degenerative disorders are a common problem that spine surgeons face in their daily practice all over the world. It is key to understand biomechanics, pathogenesis, and possible etiologies of degeneration. A strong focus will be placed on presenting the evidence available for diagnostic procedures and management modalities so that participants can reflect and critically make decisions. Topics will be addressed by faculty members presenting lectures, interactively discussing cases, and holding workshops.

Objectives

Participants will be able to:

- Address biomechanical principles of the lumbar spine and the pathogenesis of degeneration
- Define the possible etiology of degenerative diseases
- Base the decision-making on the patient's clinical picture and on focused investigations
- Outline modalities of conservative and surgical management options based on current evidence
- Apply the latest technologies including motion preservation and review trials of disc repair
- Use practical guidelines in treating various pathologies, such as, spondylolisthesis, canal stenosis, degenerative scoliosis, low back pain and analyze the role of minimal access spine surgery compared with conventional surgical procedures

Deformities and tumors module

Target participants

This module is targeted at surgeons with more than five years experience in spinal management and with a special interest to improve their knowledge and skills in treating deformities and tumors.

Aims

This course module comprehensively addresses pediatric and adult spinal deformities as well as spinal tumors. Participants will become familiar with contemporary investigation, classification systems, and state-of-the-art treatment options in both of these complex fields of spinal surgery.

Description

On the first day, the fundamentals of classification, investigation, and treatment of both tumor and deformity conditions will be presented. Controversial issues will be debated by experts, and participants will provide input using the Audience Response System (ARS). A practical exercise forms an integral part of the deformity session. Contemporary diagnostic concepts, surgical strategy and decision making, and postoperative survival and quality of life measures are constituents of the metastatic and primary spinal diseases session and will be drawn from review of contemporary evidence. On the second day, participants will have the opportunity to discuss cases based on the issues presented on day one with expert faculty in an open forum.

Tumor objectives

Participants will be able to:

- Outline current treatment alternatives for benign and malignant spinal tumors including nonoperative modalities, such as, embolization, vertebroplasty, and spinal stereotactic radiosurgery
- Contrast the prognostic scoring systems of metastatic spinal diseases
- Recognize indications for intradural tumor resection and massive en bloc resection
- Discuss resection options specific to the regional anatomy and tumor characteristics

Deformity objectives

Participants will be able to:

- Discuss classification systems and instrumentation with growing rods and pedicle screws vs hook fixation in early onset idiopathic scoliosis
- Contrast the risks and benefits of posterior vs anterior corrective surgery
- Outline the management of complex scoliosis (ie, congenital, neuromuscular, and neurofibromatosis)
- Discuss contemporary treatment options for onset to adult-sagittal spinal imbalance due to degeneration, trauma, iatrogenic causes, ankylosing spondylitis, and infection (including tuberculosis)
- Discuss the various spinal column resection techniques employed for sagittal realignment
- Discuss risk and prevention of operative complications in deformity surgery
- Debate extent of fixation in adult scoliosis patients with spinal stenosis and the influence of comorbidities in clinical outcome

Spinal trauma module

Target participants

This module is targeted at surgeons with more than five years experience in spinal management and with a special interest to improve their knowledge and skills in treating spinal trauma in general.

Aims

This course module comprehensively addresses the most common spinal fracture patterns from the craniocervical junction to the sacrum. Participants will learn state-of-the-art treatment options and also discuss management options for pathological fractures.

Description

In four different sessions, expert faculty in their fields will present and discuss existing challenges, new problem areas, and controversies in spinal trauma management. The first three sessions focus on the occipital and atlantoaxial spine, the subaxial spine, and the thoracolumbar and sacral spine; the fourth session focuses on pathological fractures.

Topics will be addressed by faculty members presenting lectures, discuss cases with participants, and participants actively engage in practical exercises.

Objectives

Participants will be able to:

- Discuss, classify, and determine the management principles of occipital and atlantoaxial fractures
- Discuss, classify, and determine the management principles of subaxial cervical fractures
- Discuss, classify, and determine the management principles of thoracolumbar and sacral fractures
- Use practical guidelines to treat pathological fractures, malaligned lesions, fragility fractures in osteoporotic bone
- Discuss the relative indications for vertebroplasty and kyphoplasty based on clinical evidence

AOSpine Masters Symposium

Target participants

This course will appeal to participants who are well experienced (> 10 years) in spine surgery and willing to debate in an open forum.

Aims

This course is a unique opportunity for experienced spine surgeons to actively engage in case-based group discussions with recognized opinion leaders in spinal surgery. The course includes topics of spinal fractures, spinal cord injury, tumors, osteoporosis, deformity, and low back pain.

Description

Treatment options and key issues on a variety of topics will be addressed in different sessions by analyzing cases and related evidence-based literature. Each session will feature case presentations by world experts with discussion of treatment options requiring interactive audience participation. The theme throughout the week will be "Meet the Expert". Following these often heated debates, participants will have a better knowledge of key issues and controversies and will leave with a better understanding of management options for their complex patients in both the clinic and the operating suite.

Objectives

Participants will be able to:

- Diagnose and discuss multiple treatment methods for various spinal conditions related to trauma and degeneration for both the cervical and lumbar spine
- Analyze management failures and complications of surgical treatment, and evaluate possible reasons for failure
- Discuss and apply treatment options for adult deformity and spondylolisthesis related to evidence-based literature
- Debate treatment options for metastatic spinal tumors and insufficiency fractures in osteoporotic bone

Chairpersons

Educational Director



Jeffrey Wang

UCLA Spine Center
Santa Monica, USA

Chairperson AOSpine International



Luiz Vialle

Catholic University
Curitiba, Brazil

Chairpersons—Advanced Courses

Degenerative cervical spine module



Roberto Chapa

Hospital de Ortopedia y
Traumatologia
Monterrey, Mexico

Deformities and tumors module



Richard Williams

Princess Alexandra Hospital
Brisbane, Australia

Spinal trauma module



Christopher Gerber

Newcastle General Hospital
Newcastle, United Kingdom

Degenerative lumbar spine module



Magdy Youssef

Ain Shams University
Cairo, Egypt

Chairperson—Masters Symposium



Robert McGuire

University of Mississippi Medical
Center
Jackson, USA

The AOSpine Bookshelf

Max Aebi | Vincent Arlet | John K Webb

AOSpine Manual

Jens R Chapman | Beate P Hanson | Joseph R Dettori | Daniel C Norvell

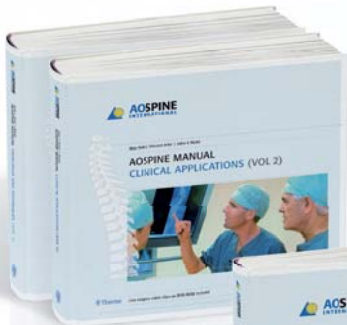
Spine Outcomes Measures and Instruments

Sue Corbett

Introduction to Spine Surgery

Jens R Chapman | Joseph R Dettori | Daniel C Norvell

Spine Classifications and Severity Measures



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ISBN 978-3-13-147981-5 (TPS)



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and Severity Measures

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Course organization

AOSpine International

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Information and registration

www.aospine.org/davos2010

Online registration opens in June 2010.

Course venue



Congress Center Davos
Talstrasse 41
CH-7270 Davos Platz

Course information

Course fee

AOSpine Advanced Courses	CHF 2,700.–
AOSpine Masters Symposim	CHF 2,700.–

AOSpine members are eligible for a discount of 10%.

Course registration

The online registration on the website www.aospine.org/davos 2010 opens in June 2010.

Included in course fee

Conference bag with scientific documentation, use of instruments for the practical exercises, bus transportation in Davos, welcome drink, coffee breaks, and course certificate.

Course language

English

Payment options

Online payment with credit card

Accepted credit cards: American Express, Visa, Eurocard/Mastercard

Invoicing is possible on request

Cancellation policy

Cancellation will be charged as follows:

Until 31 August 2010	10% of course fee
1 September–31 October 2010	50% of course fee
After 31 October 2010	100% of course fee

Participants should make sure that they have cancellation insurance.

Bank fees including commission for payment by credit card (approx 4%) will be charged in addition to the cancellation fee.

Accreditation

AOSpine courses are accredited for continuing medical education (CME) programs. The number of credit points or hours varies from country to country.

The certificate and accreditation information with credit points will be distributed at the courses.

No insurance

The course organization does not take out insurance to cover participants against cancellation of course, accidents, or other risks. Personal belongings deposited in the Congress Center are the responsibility of the individual participant.

Security

There will be security checks at the entrance of the building. Wearing your course badge is mandatory during lectures, workshops, and group discussions.

Mobile phone & camera use

The use of mobile phones and cameras is not allowed in the lecture halls and in the practical exercise areas. Please be considerate of others and turn your mobile phone off.

Dress code

During the course: casual or sportswear

Banquet: formal

Davos is a mountain resort therefore warm clothes and suitable shoes are advisable.

Accommodation

Please refer to the event page www.aospine.org/davos2010 for the link to the official hotel booking system from "Davos Destinations—Organisation". This page is available starting the same day as course registration opening.

Accommodation must be paid directly by the participant when checking out. As a guarantee for your hotel booking your credit card number is required, which will be passed on to the hotel. In case of non-arrival, the room may be charged.

The Congress Center is situated in the middle of the town; every hotel is within 20 minutes walking distance or 5 minutes by local bus (free for all visitors of Davos).

The Davos Destinations—Organisation will confirm your hotel reservation in November.

Private apartments can also be rented directly through Davos Destinations—Organisation.

Contact details

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Davos Destinations-Organisation
Tourismus- und Sportzentrum
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CH-7270 Davos

Phone +41 81 415 21 62

Fax +41 81 415 21 69

Email damian.markutt@davos.ch
www.davos.ch

Transportation

By train

Traveling comfortably without hassle—the trains will take you and all your luggage to Davos. A regular train service throughout the day will conveniently bring you from Zürich main station or Zürich Airport to Davos; travel time approximately 3 hours.

Last trains to Davos:

Departure from Zürich Airport	21:13*
Departure from Zürich main station	21:37*
Arrival at Davos Dorf	23:53*

*For detailed information please check: www.sbb.ch

By car

Davos is located in the heart of Grisons (Graubünden) in the east of Switzerland. You will find your way to Davos easily by taking the highway to Landquart (direction Chur). The route is about 150 km and it takes approx 2 ½ hours from Zurich to Davos.

Depending on road conditions, in winter, you may need snow chains once you reach Klosters.

Course schedule & social events

Sunday, 12 December

Registration is mandatory 14:00–17:00 at the Congress Center

Opening ceremony and welcome cocktail 17:00

The participants will have the opportunity to meet the faculty and to get to know each other.

Monday, 13 December–Thursday, 16 December

Scientific program 08:00–approx 19:00

Lunch break 12:00–16:00

Wednesday, 15 December

Plenary day (combined activities) 08:00–12:00 (special program to be announced)

Free time Afternoon

Course party 21:00–open end

Friday, 17 December

Scientific program 08:00–17:00

Lunch break 12:00–14:00

Course banquet 18:00–open end

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