Basel-Milan-Budapest Spine Meeting

7th edition: Spine Tumors and Ageing Spine

Moving to the Limits

Enterprise hotel - Milan, Italy - November 16th - 17th, 2018

Chairpersons

Stefano Boriani MD
Stefan Schären MD
Aron Lazary MD

Scientific Director
Giuseppe Banfi MD
IRCCS Istituto Ortopedico Galeazzi
Milano, Italy

Local Chairperson
Riccardo Cecchinato MD

Scientific Supervisor and paper reviewer
Larry Rhines MD

Final Program
Milano is for the first time the venue of this meeting, expression of our friendship and our common effort to improve our knowledge on surgery of bone tumors and elderly patients. Following our tradition, we have invited some of the most experienced surgeons and have organized a format promoting discussions and sharing of experiences. Our target will be achieved if those who attend the meeting will go back home with some even small and useful hint for their professional activity.

Stefano Boriani on behalf of co-Chairpersons
<table>
<thead>
<tr>
<th>Name</th>
<th>City, Country</th>
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<tbody>
<tr>
<td>Roberto Bassani</td>
<td>Milano, Italy</td>
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<td>Pedro Berjano</td>
<td>Milano, Italy</td>
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<td>Rudolf Bertagnoli</td>
<td>Straubing, Germany</td>
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<td>Chetan Bettegowda</td>
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<td>Thomas Blattert</td>
<td>Schwarzach, Germany</td>
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<td>Stefano Boriani</td>
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<td>Philippe Cattin</td>
<td>Basel, Switzerland</td>
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<td>Raphael Charest-Morin</td>
<td>Vancouver, Canada</td>
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<td>Riccardo Cecchinato</td>
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<td>Tiziano Crespi</td>
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<td>Davide Croci</td>
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<td>Fabrizio Cuzzocrea</td>
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<td>Marco Damilano</td>
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<td>Nicolas Dea</td>
<td>Vancouver, Canada</td>
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<td>Laura Fariselli</td>
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<td>Maria Rosaria Fiore</td>
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<td>Charles Fisher</td>
<td>Vancouver, Canada</td>
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<td>Maddalena Gaeta</td>
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<td>Alessandro Gasbarrini</td>
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<td>Jeroen Geurts</td>
<td>Basel, Switzerland</td>
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<td>Angela Gregory</td>
<td>Manchester, United Kingdom</td>
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<td>Francis J. Hornicek</td>
<td>Santa Monica, USA</td>
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<td>Gregory Jost</td>
<td>Basel, Switzerland</td>
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<td>Ilya Laufer</td>
<td>New York, USA</td>
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<td>Aron Lazary</td>
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<td>Alessandro Luzzati</td>
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<td>Stefano Marone</td>
<td>Torino, Italy</td>
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<td>Cordula Netzer</td>
<td>Basel, Switzerland</td>
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<td>Paolo Orsolini</td>
<td>Pavia, Italy</td>
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<td>Andrea Piazzolla</td>
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<td>Mauro Pluderi</td>
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<td>Jeremy Reynolds</td>
<td>Oxford, United Kingdom</td>
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<td>Larry Rhines</td>
<td>Huston, USA</td>
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<td>Arjun Sahgal</td>
<td>Toronto, Canada</td>
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<td>Stefan Schären</td>
<td>Basel, Switzerland</td>
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<td>Markus Schultheiss</td>
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<td>John Shin</td>
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<td>Jorrit-Jan Verlaan</td>
<td>Utrecht, Netherlands</td>
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<td>Alberto Zerbi</td>
<td>Milano, Italy</td>
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08:00 Registration

08:30 Welcome to participants and introduction to working sessions

Stefano Boriani, Aron Lazary, Stefan Schären

Riccardo Cecchinato

Giuseppe Banfi

Chairpersons

Riccardo Cecchinato

Local Chairperson

Giuseppe Banfi

IRCCS Istituto Ortopedico Galeazzi, Scientific Director

08:45 Invited Lecture (15’)

Hundred meters to the top

Cordula Netzer

09:00 1st Round Table

Surgery in the elderly. Which is the limit: the age or the surgery?

Chairperson: Aron Lazary

Case-based introduction (10’)

Markus Schultheiss

Lecturer (20’)

Aron Lazary

Physiology of aging and surgical invasiveness

Case Discussion (60’)

Thomas Blattert (10’+10’)

Alberto Zerbi, Riccardo Cecchinato (10’+10’)

Aron Lazary (10’+10’)

Case-based/Evidence Conclusions (15’)

Markus Schultheiss

Coffee break 15’
Introduction (10’)
Stefan Schären
Navigation and Robotic in spine tumor surgery: contemporary art – dreams of the future

Lecturer (20’)
Markus Schultheiss
Navigation in spine tumor surgery: dealing with the ups and downs

Case Discussion (70’)
Carlo
Cold Ablation Robot Guided Laser Osteotome: how spine likes to be cut.....

- Cordula Netzer (5’) case
- Jeroen Geurts (5’) histological workup
- Cordula Netzer (10’) technical note and outlook
- Discussion (10’)

“Virtual Reality” goes Spine Tumors
- Gregory Jost (5’) case presentation
- Davide Croci (5’) case presentation
- Philippe Cattin (10’) technical note
- Virtual trip & Discussion (20’)

Case-based/Evidence Conclusions (5’) Stefan Schären
Technical discoveries shaping modern spine tumor surgery

Lunch break 1h15’
14:00 3rd Round Table
Surgeons and radiotherapists: allied or enemies?
Chairperson: Larry Rhines

Case-based introduction (10’)
Larry Rhines

Lecturer (20’)
Arjun Sahgal
Spine Radiosurgery: where are we in 2018 and where are we going?

Case Discussion (60’)
Maria Rosaria Fiore (5’+10’)
Nicolas Dea (5’+10’)
Laura Fariselli (5’+10’)
Jorrit-Jan Verlaan (5’+10’)

Case-based/Evidence Conclusions (15’)
Larry Rhines

15:45 4th Round Table
Sagittal Balance in the elderly. Facts and fictions
Chairperson: Riccardo Cecchinato

Case-based introduction (10’)
Riccardo Cecchinato

Lecturer (20’)
Pedro Berjano
No single player symphony: team approach in elderly sagittal deformity?
Case Discussion (60’)
Marco Damilano, Tiziano Crespi (10+10’)
Roberto Bassani (10+10’)
Rudolf Bertagnoli (10+10’)

Case-based/Evidence Conclusions (15’)
Riccardo Cecchinato

Coffee break 15’

17:45 5th Round Table
Primary bone tumors of the spine: is age a limit for cure?
Chairperson: Stefano Boriani

Case-based introduction (10’)
Stefano Boriani

Lecturer (15’)
Chetan Bettegowda
The molecular features of spine tumors and their therapeutic relevance

Case Discussion (75’)
Alessandro Gasbarrini (8’+10’)
Alessandro Luzzati (8’+10’)
Francis Hornicek (8’+10’)
Stefano Marone (8’+10’)

Case-based/Evidence Conclusions (10’)
Stefano Boriani
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00</td>
<td>6th Round Table</td>
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<tr>
<td>10:45</td>
<td>Spine Infections. We don’t like them, do we?</td>
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<td>Chairperson: Fabrizio Cuzzocrea</td>
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<td>Case-based introduction (6’)</td>
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<td><strong>Fabrizio Cuzzocrea</strong></td>
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<td><em>Spondylodiscitis … a moving planet?</em></td>
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<td>Lecturer (12’)</td>
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<td><strong>Maddalena Gaeta</strong></td>
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<td><em>And yet it moves: bordering on scientific literature</em></td>
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<td>Lecturer (12’)</td>
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<td></td>
<td><strong>Paolo Orsolini</strong></td>
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<td><em>And yet it moves: bordering on clinical good practice</em></td>
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<td>Case Discussion (60’)</td>
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<td>Invited Lecture (15’)</td>
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<td><strong>Angela Gregory</strong></td>
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<td><em>Moving to the limits: Back Pain and Sexuality</em></td>
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Spine metastases. Like politics and religion, everybody has their truth...

Chairperson: Charles Fisher

Case-based introduction (5’)
Raphael Charest-Morin

Lecturer (15’)
Charles Fisher
Some evidence exists, indeed..

Case Discussion (60’)
John Shin (10’+10’)
Jeremy Reynolds (10’+10’)
Ilya Laufer (10’+10’)

Case-based/Evidence Conclusions (10’)
Raphael Charest-Morin

12:45 Wrap up and Farewell to next BMB

Stefano Boriani, Aron Lazary, Stefan Schären
Giuseppe Banfi

At the end of the educational event fill in the CME evaluation test

Brunch served continually from 11:00 to 13:00
<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>1</td>
<td>A clinical case: acute paraplegia from a tumor of unknown origin</td>
<td>Stefano Marone - CTO Torino</td>
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<tr>
<td>2</td>
<td>Ilio-lumbar and ilio-sacral reconstruction with a modular carbonfiber-peek hardware - follow up of two cases at 18 and 6 months</td>
<td>Stefano Marone - CTO Torino</td>
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<td>3</td>
<td>Vertebral body lipoma; an unusual pathology treated with kyphoplasty</td>
<td>Fikret Şahintürk MD; Ümit Akin Dere MD; Erkin Sönmez, MD Associate Professor; Nur Altinörs MD, Professor; Aysen Terzi MD Associate Professor</td>
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<td>4</td>
<td>360 degree surgery for a thoracic osteosarcoma arisen secondary to a recurrent giant cell tumor</td>
<td>Presenting Author: Erkin Sönmez, MD, Associate Professor Başkent University School of Medicine, Department of Neurological Surgery, Ankara, Turkey Co-Authors: Fikret Şahintürk MD; Ümit Akin Dere MD; Nur Altinörs MD, Professor Başkent University School of Medicine, Department of Neurological Surgery, Ankara, Turkey</td>
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<tr>
<td>6</td>
<td>Changes in Pelvic Incidence after long spinal fusion for adult deformity correction</td>
<td>A. Redaelli¹, F. Meta², R. Cecchinato¹, C. Martini¹, G. Siccardi¹, P. Berjano¹, C. Lamartina¹ ¹ IRCCS Istituto Ortopedico Galeazzi, Milan, Italy ² Scuola di Specializzazione in Ortopedia e Traumatologia, Università degli Studi di Milano, Italy</td>
</tr>
<tr>
<td>8</td>
<td>Risk and Complications in Adult Spine Surgery: a systematic review of the literature</td>
<td>A. Zanirato¹, M. Pejrona², A. Vesnaver², P. Berjano², C. Lamartina² ¹ Clinica Ortopedica – AUO San Martino IST, Genoa, Italy ² GSpine4, IRCCS Istituto Ortopedico Galeazzi, Milan, Italy</td>
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AIM OF THE MEETING
Aim of this meeting is point out some important hints in 7 spine surgery topic of great interest. Along the tradition of these meetings, started in 2011, bone tumors and surgery in the elderly are the main topics. In this edition some time will be dedicated to innovation and to spine infection, topics frequently neglected. According to our tradition, long time is allotted for discussion and interactivity.

TARGET AUDIENCE
Neurosurgeons and Orthopaedic spine surgeons, in addition to other healthcare professionals whose scope of practice includes spine surgery. Residents and Fellows.

OFFICIAL LANGUAGE
The official language of the meeting is English without simultaneous translation. We kindly ask to all speakers to prepare their slides in English.

RULES FOR SPEAKERS/TEACHERS/TUTORS
You need to provide a mandatory signed COI declaration. The speech will be subject to CME accreditation, therefore, we request compliance with the following rules:
• the teaching activity shall be objective, balanced and not influenced by direct or indirect interests of stakeholders with commercial interest;
• the supervisor/teacher shall not include in the activity any teaching advertising of any kind for specific products of medical interest, shall indicate only generic names of drugs, instruments, principals and not their trade names, even if related to the subject matter;
• the supervisor/teacher shall not project images covered by copyright, identifying images of drugs or equipment and images that can violate patient privacy.

AUDIOVISUAL EQUIPMENT
PC Projection (only PPT file on CD or on memory stick, USB port or DVD) will be provided. Speakers are kindly requested to contact the Slide Center, located inside the meeting hall, at least one hour before their presentation in order to test all the audiovisual material. The presentation will be forwarded through Local Area Network (LAN) directly to the Video Projector. The use of personal laptop (MAC/PC) is allowed directly in the meeting hall, don’t forget the adaptor for VGA cable; the speaker must check it with the technician well in advance. Each Speaker shall collect their technical material at the end of the session or at the latest at the end of the day. The Organizing Secretariat accepts no responsibility for any lost audiovisual material that was not collected or left unattended. Remember to adhere strictly to the time allotted for each presentation.

ATTENDANCE CERTIFICATE
At the end of the Meeting an attendance certificate will be given to all registered participants.

VARIATIONS
The Scientific and the Organizing Secretariats reserve the right to make any change to the program they deem necessary for scientific and/or technical reasons.
CME Accreditation for European (UEMS-EACCME®) participants

CME accreditation has been obtained for the following physicians and surgeons disciplines:
• Allergology and Clinical Immunology
• Pathological anatomy
• Geriatrics
• Infectivology
• Physical medicine and Rehabilitation
• Neurosurgery
• Oncology
• Orthopaedics and Traumatology
• Imaging
• Radiation therapy

“The Basel-Milan-Budapest Spine Meeting 7th Edition: Spine Tumors and Ageing Spine moving to the limits, Milan, Italy, 16/11/2018-17/11/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 11 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.”

“Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

“Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.”

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20.

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.
Il Provider My Meeting n. 1396 ha assegnato n. 13 crediti ECM per la categoria MEDICO CHIRURGO per le seguenti discipline:

- Allergologia ed immunologia clinica
- Anatomia patologica
- Geriatria
- Malattie infettive
- Medicina fisica e riabilitazione
- Neurochirurgia
- Oncologia
- Ortopedia e traumatologia
- Radiodagnostica
- Radioterapia

Obiettivo formativo tecnico professionale n. 18

CONTENUTI TECNICO-PROFESSIONALI (CONOSCENZE E COMPETENZE) SPECIFICI DI Ciascuna Professione, di Ciascuna Specializzazione e di Ciascuna Attività Ultraspecialistica. Malattie Rare (18)

Saranno presentati contributi plurispecialistici e internazionali sulle malattie come i tumori ossei. Inoltre saranno discussi aspetti ultra disciplinari concernenti il trattamento multidisciplinare di malattie scheletriche in età geriatrica.

L'accreditamento sarà effettuato per l'intero evento in un'unica soluzione.

Accreditamento Nazionale per n. 100 partecipanti certificati dal Provider My Meeting secondo le normative della CNFC pubblicate sul sito www.agenas.it.

L'attestato, conferente i crediti, sarà spedito via e-mail con posta certificata PEC ai partecipanti che avranno frequentato il percorso formativo (90% del monte ore) e riconsegnato il fascicolo E.C.M. debitamente compilato al termine dei lavori. Sarà valutato positivamente solo chi avrà risposto correttamente al 75% delle domande del test di apprendimento.
FREE REGISTRATION
Limited to 100 participants

The registration includes:
• Attendance to all Scientific Sessions
• Entrance to the exhibition area
• Attendance Certificate
• Badge and Meeting Kit
• Food & Beverage provided during the scientific program

GENERAL INFORMATION

VENUE

Enterprise hotel
Corso Sempione, 91 – 20149 Milan • Italy
Ph. +39 02 31818838
http://www.enterprisehotel.com

Enterprise Hotel is located just 500 metres from the “Fieramilanocity” Exhibition Centre and from MICO the Milan Convention Centre, in the direction of the Milan’s new Rho-Pero Exhibition Centre and just a short walk from the city centre.

New Metro LILLA “Domodossola” stop, just 500 meter walk from the hotel.

MAIN DISTANCE
Central Railway station 5 km (15’ during rush hour)
Milano Linate airport 12 km (30’ during rush hour)
Milano Malpensa airport 46 km (40’ with regular traffic)
Milano downtown 4 km

HOTEL ACCOMMODATION
On the occasion of the meeting, special rates have been arranged for participants at the Meeting Venue ENTERPRISE HOTEL.

Agreed rates per room, per night, including breakfast and VAT 10%.

• Double room single occupancy € 168,00*
• Double room € 183,00*

*City Tax € 5,00 per person per night is not included and must be paid at check in

INSURANCE
Registration fees do not include insurance of any kind. It is strongly recommended that when your register for the Meeting and make your travel arrangements you take out an insurance policy of your choice. The Organizing Secretariat cannot take any responsibility for any Participant failing to arrange their own insurance. This insurance is to be purchased in your country of origin.
NOTE

VISA
Some participants may need an entry VISA for Italy. Participants are requested to contact the Italian Embassy or Consulate in their home country or ask their travel agency for specific details relating to visa requirements. It is the participant’s responsibility to obtain a visa if required. For more information see the web site of the Italian Ministry of Foreign Affairs: http://www.esteri.it/visti/index_eng.asp

PRIVACY
Pursuant to General Data Protection Regulation (EU) 2016/679 ("GDPR") of the European Parliament and Council of 27 April 2016 and to art. 13 of Legislative Decree 196 of 30 June 2003 on data protection and privacy and free circulation of personal data, we wish to inform you of the following:

Data controller and processor: My Meeting Srl represented in person by Dr. Cristina Federici – Via 1° Maggio 33/35 – 40064 Ozzano dell’Emilia, Bologna, Italy. C. F. / P. IVA 02759781202 - Tel +39 051 796971 – e-mail: info@mymeetingsrl.com

Purpose of data processing: Your personal data freely communicated and acquired for this event will be electronically and manually processed in order to follow up requests and to document your participation in the event as well as to fulfill legal obligations. The data may be disclosed and provided to different, but well-identified subjects who, in various capacities, contribute to or participate in the event, as well as to the competent Authorities according to the provisions of law and, possibly, to AGENAS for CME purposes. With your specific consent, your data will be used to send a periodic newsletter updating you on events of interest organized by My Meeting.

Personal data storage: My Meeting Srl shall store your personal data for the time needed for the management of the above-mentioned activities and avoiding in any case long term storage and enabling the data subject to exercise their rights. Your personal data will be stored for 10 (ten) years, unless the data subject undertakes actions to confirm consent to the use of their personal data. The signature placed on the “Registration Form” represents acknowledgement of this information and the above rights and entails consent to personal data processing and communication for the above-indicated purposes. Failure to consent will preclude participation in the event.
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MedTech Europe approved
We are happy to confirm that BMB Spine Meeting 2018 - EMT10516 is compliant with the MedTech Europe Code of Ethical Business Practice (previously known as the “Eucomed Code”).

PCO and CME Provider Standard
(n. 1396 Albo Nazionale Age.Na.S.)
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