The Surgical Management of the Aging Spine

November 1–2, 2008
Green Valley Ranch Resort
Henderson (Las Vegas), NV

CHAIRMEN:
Shahin Etebar, MD
William Taylor, MD

FEATURED TOPICS:
✦ Aging spine fractures and insufficiency fractures
✦ Spine surgery with the osteoporosis patient
✦ Aging spine deformity correction
✦ Emerging surgical techniques and technologies
Dear Colleague:

A significant demographic trend has emerged in recent years: people are living longer and expecting to be active well into their “elderly years.” As a result, spine surgeons are seeing increasingly more “aging spine patients” who want to be restored to a pain-free and energetic lifestyle.

Therefore, we are pleased to invite you to the Third Annual D.W. Cahill Spine Symposium, addressing: The Surgical Management of the Aging Spine. The program will be held from November 1–2, 2008, at the outstanding Green Valley Ranch Resort, in Henderson, NV, just outside of Las Vegas.

The program will bring together an experienced and diverse faculty to discuss and debate many of the aging spine challenges that we encounter in our practices weekly, including:

✦ Surgical management of aging spine fractures and insufficiency fractures
✦ The challenges of spine surgery with the osteoporosis patient
✦ Deformity correction in the aging spine
✦ Emerging surgical techniques and technologies for the aging spine

We hope you will join us in November for what promises to be an informative, relevant, and enjoyable meeting. Please register early as space will fill rapidly!

Shahin Etebar, MD
William Taylor, MD

COURSE CHAIRMEN
Upon completion of this course, participants will be able to:

✦ Describe indications and techniques for the treatment of spinal fractures and spinal deformity in the elderly.
✦ Discuss the specific challenges associated with treating spinal disorders in the osteoporotic, aging spine patient.
✦ Evaluate the rationale, indications, techniques and outcomes for various new techniques and technologies associated with the treatment of the aging spine.

Distinguished Faculty

CHAIRMEN:
Shahin Etebar, MD
Desert Spine and Neurosurgical Institute
Rancho Mirage, CA

William Taylor, MD
University of California, San Diego Medical Center
San Diego, CA

Bret Abshire, MD
University of California, San Diego
San Diego, CA

Larry Khoo, MD
UCLA Comprehensive Spine Center
Santa Monica, CA

Tyler Koski, MD
Northwestern School of Medicine
Chicago, IL

Praveen Mummaneni, MD
University of California, San Francisco
San Francisco, CA

R.L. Patrick Rhoten, MD
The Spine Center at Century City
Doctor's Hospital
Beverly Hills, CA

Juan Uribe, MD
University of South Florida
Tampa, FL

Fernando Vale, MD
University of South Florida
Tampa, FL

Ken S. Yonemura, MD
University of Utah
Salt Lake City, UT

JOINT ACCREDITATION STATEMENT

Physician Accreditation
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Medical Education Resources and BroadWater. Medical Education Resources is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation
Medical Education Resources designates this educational activity for a maximum of 7.5 AMA PRA Category 1 credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
### Scientific Program

#### Saturday NOVEMBER 1, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>Registration and continental breakfast</td>
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<tr>
<td>7:30</td>
<td>Welcome</td>
<td></td>
</tr>
<tr>
<td>7:35</td>
<td>Surgical management of multi-level compression fractures—treatment options, rationale, and outcomes</td>
<td>W. TAYLOR, MD</td>
</tr>
<tr>
<td>7:50</td>
<td>Adjacent level compression fractures after prior instrumented fusion and/ or kyphoplasty or vertebroplasty. How to avoid? How to manage?</td>
<td>P. MUMMANENI, MD</td>
</tr>
<tr>
<td>8:05</td>
<td>Discussion</td>
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<tr>
<td>8:10</td>
<td>Case discussion</td>
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<tr>
<td>8:40</td>
<td>Sacral insufficiency fractures: treatment options, techniques, and outcomes</td>
<td>K. YONEMURA, MD</td>
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<tr>
<td>8:55</td>
<td>Lumbar, thoracic, and cervical insufficiency fractures: treatment options, techniques, and outcomes</td>
<td>B. ABSHIRE, MD</td>
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<tr>
<td>9:10</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>9:15</td>
<td>Case discussion</td>
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<tr>
<td>9:45</td>
<td>Refreshment break</td>
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<tr>
<td>10:10</td>
<td>Challenges of the aging spine with osteoporosis—fixation strategies, implant, cement and biologic options, and outcomes</td>
<td>P. RHOTEN, MD</td>
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<tr>
<td>10:25</td>
<td>Re-operative surgery in the aging spine with osteoporosis—surgical tips and pearls</td>
<td>W. TAYLOR, MD</td>
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<tr>
<td>10:40</td>
<td>Discussion</td>
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</table>

**Sponsorship**

This activity is sponsored by Medical Education Resources, Inc., a non-profit medical education company.

**Commercial Support**

The course chairmen gratefully acknowledge Alphatec Spine for their support of this meeting with an unrestricted educational grant.

**Disclosure Policy**

It is the course policy to ensure balance, independence, objectivity, and scientific rigor in all presentations. All faculty will disclose in the course syllabus materials any financial interest and/or other relationship with the manufacturer(s) of any commercial product(s) to be discussed during their presentations.
Saturday  NOVEMBER 1, 2008, CONTINUED

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Case discussion</td>
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<tr>
<td>11:15</td>
<td>Debate: Instrumented fusion is preferable to non-instrumented fusion in cases of lumbar DDD in the elderly</td>
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<tr>
<td>11:45</td>
<td>Adjourn</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>Course reception</td>
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Sunday  NOVEMBER 2, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7:00 am</td>
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<tr>
<td>7:35</td>
<td>Management of cervico-thoracic kyphosis</td>
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<tr>
<td>7:50</td>
<td>Management of lumbar degenerative scoliosis</td>
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<tr>
<td>8:05</td>
<td>Discussion</td>
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<tr>
<td>8:10</td>
<td>Case discussion</td>
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</tbody>
</table>

SESSION 4: Deformity Correction in the Aging Spine  
MODERATOR: W. Taylor, MD

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<td>8:05</td>
<td>Discussion</td>
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<tr>
<td>8:10</td>
<td>Case discussion</td>
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</tbody>
</table>

SESSION 5: Emerging Technologies for the Aging Spine  
MODERATOR: R. Mummaneni, MD

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:40</td>
<td>Dynamic stabilization: options, rationale, techniques, and outcomes with the elderly</td>
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<tr>
<td>8:55</td>
<td>Minimally invasive spine techniques: rationale, techniques, and outcomes with the elderly</td>
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<tr>
<td>9:10</td>
<td>Discussion</td>
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<tr>
<td>9:15</td>
<td>Case discussion</td>
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<tr>
<td>9:45</td>
<td>Refreshment break</td>
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SESSION 6: Emerging Techniques for the Aging Spine  
MODERATOR: S. Etebar, MD

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:10</td>
<td>Condyle-C1 trans-articular screw fixation—patient selection, technique, and outcomes</td>
</tr>
<tr>
<td>10:25</td>
<td>Lumbar and sacral PSOs—patient selection, technique, and outcomes</td>
</tr>
<tr>
<td>10:40</td>
<td>Discussion</td>
</tr>
<tr>
<td>10:45</td>
<td>Case discussion</td>
</tr>
<tr>
<td>11:45</td>
<td>Adjourn</td>
</tr>
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Course Reception

SATURDAY, NOVEMBER 1

A course reception on the beautiful grounds of the Green Valley Ranch Resort will be held Saturday evening from 6:30 pm–7:45 pm. You and your guests will enjoy cocktails and hors-d’oeuvres as you connect with your colleagues.
General Information

REGISTRATION

Register online at www.regonline.com/agingspine2008 or complete and return the registration form on the inside back cover.

Fees

Surgeon*: $145.00
Resident/Fellow*: $75.00

*Registration includes scientific sessions, course materials, daily breakfast, and breaks, and Saturday evening reception.

Late Registration Fee (after October 10): $50.00
Guest Reception Ticket: $45.00

Refunds

A full refund will be provided, less a $100 administrative fee, dependent upon written notice being received by October 10, 2008. Refunds will not be provided after this date. Refunds made 60 days after the original transaction cannot be issued by credit card and will be sent by check only. Substitutions are allowed at any time but must be requested in writing.

LOCATION

The program and related activities will be held at the Green Valley Ranch Resort in Henderson, NV. This luxury resort and spa is located a short distance from Las Vegas. It offers a casino, 8 restaurants, 8 acres of outdoor recreation areas, spa, and golf nearby.

Green Valley Ranch Resort
2300 Paseo Verde Parkway
Henderson, NV 89052
www.greenvalleyranchresort.com

ROOM RATE (single or double occupancy)

$160.00 per night plus $19.99 resort fee and tax.

Daily resort fee includes nightly turndown service, daily newspaper, admission to the resort exercise facility, and shuttle to and from the Las Vegas Strip and the McCarran International Airport on a set schedule.

Hotel Reservations

Call the Green Valley Ranch reservations department at (866) 617-1777 and tell them you are attending the “Spine Meeting” to receive the above discounted rate. A credit card must be provided and charged a deposit of one night’s room and tax at the time of booking.

CUT-OFF FOR THE GROUP RATE:

October 10, 2008.

Reservations are subject to a 48 hours cancellation policy by the resort. Reservations canceled within 48 hours to arrival will be charged a no-show fee of one night room and tax.

TRAVEL

For assistance to and from the conference, you are invited to contact Gant Travel at (800) 523-4410 or (630) 227-3800.
COURSE REGISTRATION

FIRST NAME*  MIDDLE INITIAL*  LAST NAME*

DEGREE*  INSTITUTION

ADDRESS  CITY  STATE  ZIP  COUNTRY

PHONE  FAX  E-MAIL ADDRESS (MUST BE COMPLETED)

NOTE: All correspondence will be sent via e-mail  *As you would like it to appear on badge.

Specialty:  ☐ Orthopaedic Surgeon  ☐ Neurosurgeon  ☐ Other

Fees
Registration includes scientific sessions, course materials, daily breakfast and breaks and Saturday evening reception.

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
<th>Subtotal</th>
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<tbody>
<tr>
<td>Surgeon @ $145:</td>
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<tr>
<td>Resident/Fellow @ $75:</td>
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<tr>
<td>Late Fee (after October 10) @ $50:</td>
<td>$</td>
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<tr>
<td>Guest Reception Ticket @ $45:</td>
<td>$</td>
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</tbody>
</table>

TOTAL

Payment
Complete and mail or fax with credit card authorization or check in US Dollars payable to BroadWater.

Payment Method:
☐ Check enclosed
☐ Please charge my credit card for registration:  ☐ Visa  ☐ MasterCard  ☐ American Express  ☐ Discover

CARD NUMBER  EXPIRATION DATE  VALIDATION CODE

NAME (AS IT APPEARS ON CARD)

BILLING ADDRESS  CITY  STATE  ZIP  COUNTRY

SIGNATURE (I AGREE TO PAY ACCORDING TO THE CREDIT CARD ISSUER AGREEMENT)
The Surgical Management of the Aging Spine

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