Advances in Targeted Drug Delivery for Pain and Neurological Disorders

Saturday, February 22, 2014
8:20 A.M. – 5:30 P.M.

Houston Methodist Research Institute
6670 Bertner Ave. | Houston, TX 77030

Course Director: Stanley Fisher, MD

houstonmethodist.org/cme
### Agenda

<table>
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<tr>
<th>Time</th>
<th>Session Description</th>
<th>Speaker(s)</th>
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<tr>
<td>7:30 A.M.</td>
<td>Breakfast and Registration</td>
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<tr>
<td>8:20</td>
<td>Opening Remarks</td>
<td>Stanley Fisher, MD</td>
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<tr>
<td>8:30</td>
<td>The Current and Future Trends in Targeted Drug Delivery from the Neurologist's Perspective</td>
<td>Stanley Fisher, MD</td>
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<tr>
<td>9:15</td>
<td>Update on Targeted Drug Delivery for Spasticity</td>
<td>Cindy Ivanhoe, MD</td>
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<tr>
<td>10:00</td>
<td>Break and Exhibits</td>
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<tr>
<td>10:30</td>
<td>The Role of Botulinum Toxin in the Treatment of Focal Dystonias</td>
<td>Ron Tintner, MD</td>
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<td>11:15</td>
<td>Role of Intraventricular Baclofen for the Treatment of Dystonia in Children and Adults</td>
<td>Taryn Bragg, MD</td>
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<tr>
<td>12:00 P.M.</td>
<td>Question &amp; Answer Session</td>
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<tr>
<td>12:30</td>
<td>Lunch &amp; Exhibits</td>
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<tr>
<td>1:30</td>
<td>Pearls and Pitfalls of the Intrathecal Opioid Therapy for the Treatment of Chronic Pain</td>
<td>Eduardo Garcia, MD</td>
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<td>2:15</td>
<td>Insights into Non-opioid Intrathecal Drug Therapy for Chronic Pain</td>
<td>Allen W. Burton, MD</td>
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<td>3:00</td>
<td>Break and Exhibits</td>
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<tr>
<td>3:30</td>
<td>Role of Botulinum Toxin in the Treatment of Chronic Migraine and Other Painful Craniofacial Syndromes</td>
<td>Steven Graff-Radford, DDS</td>
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<tr>
<td>4:15</td>
<td>The Challenges of Placing an Intrathecal Drug Delivery Systems: A Surgical Perspective</td>
<td>Ashwin Viswanathan, MD</td>
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<tr>
<td>5:00</td>
<td>Question &amp; Answer Session</td>
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<tr>
<td>6:00</td>
<td>Reception Immediately to Follow</td>
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### Program Overview

Recent advances in technology and therapeutics used in the intrathecal space created a gap in education and knowledge among the neurologists, pain specialists, neurosurgeons, and physiatrists in management of patients who require targeted drug delivery for diagnostic and therapeutic purposes. The goal is to inform, educate, and train physicians involved in targeted drug delivery on how to select appropriate patients for the procedures as well as teach them appropriate techniques, safety and efficacy of the proposed treatments through didactic presentations, case discussions, panel reviews and demonstrations of procedures and surgical techniques. Currently every team has their own protocols. This conference will bring together all the specialists involved in targeted drug delivery and establish common practices and systems to maintain and promote patient safety and outcomes.

### Target Audience

This conference is designed for neurologists, neurosurgeons, pain management specialists and physical medicine and rehabilitation specialists.

### Educational Objectives

Upon completion of this activity, the participant should be able to:

- Discuss the current and future trends in targeted drug delivery for the treatment of neurodegenerative disorders.
- Explain the appropriate patient selection for the treatment of chronic spasticity with botulinum toxins and intrathecal baclofen.
- Discuss the appropriate strategy for the treatment of patients with chronic pain syndromes through the intrathecal delivery of opioids and non-opioid therapies.
- Discuss the role of botulinum toxin therapy for the treatment of chronic migraine and other painful craniofacial syndromes.
- Identify the role of botulinum toxins in the treatment of focal dystonias.
Advances in Targeted Drug Delivery for Pain and Neurological Disorders

Educational Methods
Didactic lectures, Panel Discussions, Case Studies, Demonstrations of Procedures

Accreditation and Credit Designation Statements
Physicians
Houston Methodist is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Houston Methodist designates this live activity for a maximum of 7.5 AMA PRA Category 1 Credits ™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Fees, Registration and Conference Information
Refer to the registration form for the fee schedule. Your registration will not be processed until payment is received. Your registration will be confirmed. If you have not received confirmation at least five business days before the activity start date, contact the Office of Continuing Medical Education (OCME) immediately.

If you plan to register on-site, contact OCM at least 24 hours in advance to confirm activity status and space availability. The OCME reserves the right to limit the number of participants in an activity and will not be responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

Evaluation
Evaluation by online questionnaire will address program content, presentation, possible bias, and intent to change current practice.

Cancellation/Refund Policy
Requests for cancellation and registration refunds must be in writing and received by the Office of Continuing Medical Education (OCME) at least 15 business days before the course begins. The date the request is received by the OCME will be considered the cancellation date. Requests received after the refund deadline will not be processed. Cancellations are subject to a $50 administrative fee deducted from the registration fee paid to cover guarantees and other expenses. Requests should be mailed to the OCME or faxed to 713.441.0589. The OCME reserves the right to cancel activities, not less than 10 business days before the scheduled date, if extenuating circumstances make it necessary. Registrants will be notified at the contact number indicated on the registration form followed by written notification. If an activity is cancelled, OCME's liability is limited to the registration fee paid. Note: If payment is made by check, a social security number is required to process the refund.

ADA Statement
In compliance with the Americans with Disabilities Act, Houston Methodist will make reasonable efforts to accommodate persons with disabilities at this symposium. Please call 713.441.2153 for further information, or if you need special assistance.

Disclosure
This CME activity is designed for use by health care professionals for educational purposes only. Information and opinions offered by the contributors represent their viewpoints. Conclusions drawn by the participant should be derived from careful consideration of all available scientific information. Prescription information and use of medical devices should be undertaken only after confirmation of information by consulting the FDA-approved uses and information. Houston Methodist makes every effort to have accurate information presented; no warranty, expressed or implied, is offered. The participant should use his/her clinical judgment, knowledge, experience and diagnostic decision-making before applying any information, whether provided here or by others, for any professional use.

For Further Information Contact
Houston Methodist | Office of Continuing Medical Education
6565 Fannin St, MGJ9-004 | Houston, TX 77030
Phone: 713.441.4971 | Fax: 713.441.0589 | Email: cme@houstonmethodist.org

FOUR WAYS TO REGISTER (Please print clearly)

Online: houstonmethodist.org/cme
Fax: 713.441.0589
Phone: 713.441.4971
Mail: Houston Methodist (OCME)
Attn: Targeted Drug Delivery (246)
6565 Fannin, MGJ9-004
Houston, TX 77030

PAYMENT AND FEES
- Physicians: $195
- Other Health Care Professionals: $100
- Residents/Fellows: $25

*Verification required. Please call the OCME at 713.441.4971 to register.

RECEPTION RSVP
- I will attend the reception
- I will not attend the reception (Details to follow)

For information about other Houston Methodist CME activities, visit houstonmethodist.org/cme.

Last Name: ____________________________ First Name: ____________________________ Credentials: _______
Organization: ____________________________
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Address: __________________________________________
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Office Phone: ____________________________ Office Fax: ____________________________
Email: ____________________________

- Check or Money Order (made payable in U.S. funds to Houston Methodist)
- Credit Card: I authorize Houston Methodist to charge my: □ Visa® □ MasterCard® □ AMEX*

Credit Card No. ____________________________ Exp. Date: ____________________________
Name on the Card: ____________________________
Authorized Signature: ____________________________

- Special/Dietary needs (specify): ____________________________

ACCOMMODATIONS AND RESERVATIONS
Houston Marriott at the Texas Medical Center: 6580 Fannin St. | Houston, TX 77030 | 713.796.0080
A limited block of rooms has been reserved at a special discounted rate of $125/night (single/double occupancy) until January 31, 2014, or until all rooms in the group block have been reserved; whichever occurs first. Thereafter, discounted group rates may not be available. Please reference the Targeted Drug Delivery Conference when making your reservation or visit houstonmethodist.org/advancesintdd.
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