The 38th Annual Carrell-Krusen

NEUROMUSCULAR SYMPOSIUM

February 25-26, 2016

A SEMINAR FOR MUSCULAR DYSTROPHY CLINIC DIRECTORS, CASE MANAGERS, NURSES AND MEMBERS OF INTERDISCIPLINARY CARE TEAMS

continuing medical education

THE 38TH ANNUAL CARRELL-KRUSEN NEUROMUSCULAR SYMPOSIUM Awardee:

JOHN W. DAY, M.D., PH.D.

Sponsored by:
The Departments of Pediatrics and Neurology at UT Southwestern
and the Office of Continuing Medical Education


**COURSE DIRECTOR**

Susan T. Iannaccone, M.D., F.A.A.N.
Professor
Departments of Pediatrics and Neurology and Neurotherapeutics
Jimmy Elizabeth Westcott Distinguished Chair in Pediatric Neurology
The University of Texas Southwestern Medical Center
Director of Child Neurology
Children's Medical Center
Dallas, TX

**COURSE CO-DIRECTOR**

Jaya Trivedi, M.D.
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The University of Texas Southwestern Medical Center
Dallas, TX

**PROGRAM COMMITTEE**

Diana Castro, M.D.
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Lauren Phillips, M.D.
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Dallas, TX

Steven Vernino, M.D., Ph.D.
Dr. Bob and Jean Smith Foundation Distinguished Chair in Neuromuscular Disease Research
Professor
Department of Neurology and Neurotherapeutics
The University of Texas Southwestern Medical Center
Dallas, TX
WHO SHOULD ATTEND
The Carrell-Krusen Neuromuscular symposium is designed for primary care providers, neurologists, nurse practitioners, physician’s assistants and registered nurses that desire to gain advanced knowledge in diagnosis and management of patients with neuromuscular disease.

OBJECTIVES
At the end of the symposium, participants should be able to:
- Improve clinical updates in diagnosis and practice management in unusual neuromuscular cases.
- Describe recent advances in basic and clinical research on neuromuscular disorders.
- Identify characteristic findings on muscle biopsies and EDS in neuromuscular disorders.
- Implement treatment based on neuromuscular histopathology.

CONCEPT AND METHOD
The symposium provides an open and energetic interchange to discuss rare and challenging cases, as well as patients with common problems in order to improve their treatment and management. Physical exams will be demonstrated on patients present at the symposium with ample time for discussion of each case. Sessions will include slide presentations of unusual muscle and nerve biopsies and EMG findings presented by several symposium registrants in an informal manner for open discussion. The scientific session will include formal presentations reporting recent research results. The Carrell-Krusen Neuromuscular Lecture will be a formal one-hour presentation by visiting professor, John W. Day, M.D., Ph.D.

ACCREDITATION
The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCMCE) to provide continuing medical education for physicians.

CREDIT DESIGNATION
The University of Texas Southwestern Medical Center designates this live activity for a maximum of 13 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

CONFLICT OF INTEREST
It is UT Southwestern's policy that participants in CME activities should be made aware of any affiliation or financial interest that may affect the speaker's presentation(s). Each speaker has completed and signed a conflict of interest statement. The faculty members' relationships will be disclosed in the course syllabus.

DISCUSSION OF OFF LABEL USES
Because this course is meant to educate physicians with what is currently in use and what may be available in the future, there may be “off-label” uses discussed in the presentations. Speakers have been requested to inform the audience when off-label use is discussed.

REGISTRATION
The registration fee for this program entitles the participants to admission to the conference, all course materials, continental breakfasts, refreshment breaks and Thursday and Friday lunch.

Registration is confirmed upon receipt of full registration fee payment.
LOCATION
Texas Scottish Rite Hospital For Children
2222 Welborn Street
Dallas, Texas 75219

ACCOMMODATIONS
A block of rooms has been reserved for the Carrell-Krusen Symposium guests at the The Stoneleigh Hotel & Spa. Room block rates are available through 5:00 pm on Feb. 3, 2016. Please make reservations directly with the hotel. Valet parking is available for overnight guests and can be charged to guests room.

The Stoneleigh Hotel & Spa
2927 Maple Ave
Dallas, TX 75201
800.921.8498
214.871.7111
Rate: $209 plus tax per night
Special rate cannot be guaranteed past Wednesday, Feb. 3, 2016

CANCELATION POLICY
The Office of Continuing Education reserves the right to limit registration and cancel courses no less than one week prior to the course, should circumstances make this necessary.

REFUND POLICY
A $50 handling fee will be deducted from cancellation refunds. Refund requests must be received by mail or fax before February 12, 2016. No refunds will be made thereafter.

INFORMATION
For additional information, please call the Office of Continuing Education, 214-648-3138, 1-800-688-8678, fax 214-648-2317, or email cmeregistrations@utsouthwestern.edu

To obtain information on other UT Southwestern programs, go to http://www.utsouthwestern.edu/cme for a free email subscription of the Office of Continuing Education's monthly calendar, send your name, medical specialty and current email address to: cmecalendar@utsouthwestern.edu

PROGRAM ACCESSIBILITY
We accommodate people with disabilities. Please call 214-648-3138 for more information, or mark the space indicated on the registration form. To ensure accommodation, please register as soon as possible.

The University of Texas Southwestern Medical Center at Dallas is committed to providing programs and activities to all persons regardless of race, color, national origin, religion, sex, age, veteran status, or disability.

UT Southwestern is an equal opportunity institution.
The 38th Annual Carrell-Krusen Neuromuscular Symposium Awardee:

JOHN W. DAY, M.D., PH.D.
Professor of Neurology and Pediatrics
Director, Division of Neuromuscular Medicine
Stanford School of Medicine
Stanford University
Stanford, California

Past Lecturers
1978 - K. Engel and Valerie Askanas
1979 - Michael Brooke
1980 - Daniel B. Drachman
1981 - Stanley Appel
1982 - Lewis P. Rowland
1983 - Walter G. Bradley
1985 - George Karpati
1986 - Salvatore DiMauro
1987 - Peter Dyck
1988 - Theodore L. Munsat
1989 - Louis M. Kunkel
1990 - P.K. Thomas and Anita Harding
1991 - Victor Dubowitz
1992 - Robert C. Griggs
1993 - Andrew Engel
1994 - Harvey B. Sarnat
1995 - Jerry M. Mendel
1996 - Robert A. Ouvrier
1997 - Richard T. Moxley, III
1998 - Lewis P. Rowland
1999 - Robert G. Miller
2000 - Arthur K. Asbury
2001 - Robert B. Layzer
2002 - Alan Pestronk
2003 - Valerie Askanas, W. King Engel and Francesco Muntoni
2004 - John Sladky
2005 - David Pleasure
2006 - Kenneth Fischbeck
2007 - Austin J. Sumner
2008 - Angela Vincent
2009 - John T. Kissel
2010 - Yadollah Harati
2011 - Robert T. Leshner
2012 - George W. Padberg
2013 - Charles Thornton
2014 - Michael Shy
2015 - Carsten G. Bonneman
### DAY 1 PROGRAM AGENDA – THURSDAY, FEBRUARY 25, 2016

#### TIME

| 7:00 am-7:45 am | Registration  | Pre-Function A |
| 7:00 am-7:45 am | Continental Breakfast | Pre-Function B |
| 7:45 am-8:00 am | Introduction & Announcements | Auditorium |

#### SESSIONS

**SESSION I**

**MODERATORS: JAYA TRIVEDI AND PEDRO MANCIAS**

<table>
<thead>
<tr>
<th>8:00 am-8:30 am</th>
<th>ABSTRACT #</th>
<th>TITLE</th>
<th>PRESENTER(S)</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>L/V-1</td>
<td>L/V-1</td>
<td>Facial Weakness in Childhood</td>
<td>N. George</td>
<td>Auditorium</td>
</tr>
<tr>
<td>8:30 am-9:00 am</td>
<td>L/V-2</td>
<td>Limb-Girdle, Facial, and Neck Weakness in a 57 year-old Man</td>
<td>J. Buchrow</td>
<td>Auditorium</td>
</tr>
<tr>
<td>9:00 am-9:30 am</td>
<td>L/V-3</td>
<td>Diverse Phenotypes Arising from Mutations in a Single Gene</td>
<td>M. Bryarly</td>
<td>Auditorium</td>
</tr>
<tr>
<td>9:30 am-10:00 am</td>
<td>L/V-4</td>
<td>Clinical Presentation of a Patient With Late Onset TTR Related Amyloidosis</td>
<td>Z. Mahuwal</td>
<td>Auditorium</td>
</tr>
<tr>
<td>10:00 am-10:30 am</td>
<td>Break &amp; Exhibits</td>
<td></td>
<td></td>
<td>Pre-Function A &amp; B</td>
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</tbody>
</table>

**SESSION II**

**MODERATORS: PERRY SHIEH AND GIL WOLFE**

<table>
<thead>
<tr>
<th>10:30 am-11:00 am</th>
<th>ABSTRACT #</th>
<th>TITLE</th>
<th>PRESENTER(S)</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>L/V-5</td>
<td>L/V-5</td>
<td>A Family Matter</td>
<td>S. Iannaccone</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:00 am-11:15 am</td>
<td>L/V-6</td>
<td>Unraveling Familial Weakness</td>
<td>L. Jenkins</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:15 am-11:30 am</td>
<td>L/V-7</td>
<td>A Challenging Case of Proximal Weakness</td>
<td>C. Chrisman</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:30 am-11:45 am</td>
<td>L/V-8</td>
<td>Asymmetric Winging of the Scapula Associated with Shoulder Pain and Abnormal Muscle Movements</td>
<td>J. Kwan</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:45 am-12:00 pm</td>
<td>L/V-9</td>
<td>Not Your Average Myopathy</td>
<td>A. Turetsky</td>
<td>Auditorium</td>
</tr>
<tr>
<td>12:00 pm-1:00 pm</td>
<td>Lunch</td>
<td></td>
<td></td>
<td>Reverchon A &amp; B</td>
</tr>
</tbody>
</table>

**SESSION III**

**MODERATOR: MAZEN DIMACHKIE AND DIANA CASTRO**

<table>
<thead>
<tr>
<th>1:00 pm-2:30 pm</th>
<th>ABSTRACT #</th>
<th>TITLE</th>
<th>PRESENTER(S)</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-1</td>
<td>P-1</td>
<td>Rare Case of Neutral Lipid Storage Disease with Myopathy</td>
<td>O. Aboud</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-2</td>
<td>P-2</td>
<td>Non-Compaction Cardiomyopathy Due To a Novel Desmin Gene Mutation With Uniparental Disomy: A Case Report</td>
<td>S. Shareef</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-3</td>
<td>P-3</td>
<td>Distal Myopathy with Associated Hemiatrophy</td>
<td>S. Nayar</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-4</td>
<td>P-4</td>
<td>Male Predominance in FSHD: An Under Recognized Feature</td>
<td>C. Peyronnard</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-5</td>
<td>P-5</td>
<td>New MYH2 Mutation Causing Progressive Ophthalmpoplegia</td>
<td>C. Peyronnard</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-6</td>
<td>P-6</td>
<td>Tachycardia, Twitches and the Thymus: What’s the Link?</td>
<td>A. Sheharyar</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-7</td>
<td>P-7</td>
<td>Misdiagnosed Metabolic Myopathy Case</td>
<td>S. Nayar</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-8</td>
<td>P-8</td>
<td>Phenotypic Observations of Aminoacyl-tRNA Mutations</td>
<td>M. Christie</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-9</td>
<td>P-9</td>
<td>Utility of Respiratory Tests in a Neuromuscular Clinic</td>
<td>M. Wencel</td>
<td>Woodlawn A&amp;B</td>
</tr>
<tr>
<td>P-10</td>
<td>P-10</td>
<td>Rapid Onset MMN: A Case Report</td>
<td>R. Murphy</td>
<td>Woodlawn A&amp;B</td>
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<th>TIME</th>
<th>SESSION</th>
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<th>LOCATION</th>
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<tr>
<td>1:00 pm-2:30 pm</td>
<td>p-11</td>
<td>ABSTRACT # 1:00 pm-2:30 pm A Child with Pompe Disease and Epilepsy.R. Aachi</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td></td>
<td>p-12</td>
<td>Clinical and Myographic Evaluation of Patient with Head Drop.S. Abbas</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td></td>
<td>p-13</td>
<td>AD CMTD with Pain and Subtle Voice Abnormality.V. Stefans</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td></td>
<td>p-14</td>
<td>Unusual Presentation of Chronic Sensory Neuropathy.K. Tirumalasetti</td>
<td>Woodlawn A&amp;B</td>
<td></td>
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<tr>
<td></td>
<td>p-15</td>
<td>A Young Adult With Asymmetric Distal Myopathy.N. Anderson</td>
<td>Woodlawn A&amp;B</td>
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<td></td>
<td>p-16</td>
<td>Traumatic Schwannoma after Sural Nerve Biopsy in CMT1.J. Rodriguez</td>
<td>Woodlawn A&amp;B</td>
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<td></td>
<td>p-17</td>
<td>Sixteen Year Old Girl with Daily Muscle Cramps.E. Remster</td>
<td>Woodlawn A&amp;B</td>
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<td></td>
<td>p-18</td>
<td>Transthyretin Familial Amyloid Polyneuropathy: A CIDP Mimic.A. Thuringer</td>
<td>Woodlawn A&amp;B</td>
<td></td>
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<tr>
<td></td>
<td>p-19</td>
<td>A Case of Distal Weakness Presenting at age 10 in an Adopted Woman.M. Dang</td>
<td>Woodlawn A&amp;B</td>
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<td></td>
<td>p-20</td>
<td>Cauda Equina Syndrome?R. Bhavaraju-Sanka</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td></td>
<td>p-21</td>
<td>De Novo versus None, Two Ends of a Spectrum.M. Harmelink</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td></td>
<td>p-22</td>
<td>Tough To SwallowJ. Morrill</td>
<td>Woodlawn A&amp;B</td>
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<tr>
<td>2:30 pm-2:40 pm</td>
<td>b-1</td>
<td>Necrotizing Myopathy with Combined Small Cell Lung Cancer.D. Sinclair</td>
<td>Reverchon A&amp;B</td>
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<td></td>
<td>b-2</td>
<td>Congenital Homozygous Myopathy.H. Goebel</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td></td>
<td>b-3</td>
<td>14 year Old Boy with a Weak Neck and an Abnormal Muscle Biopsy.C. Grossmann</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td></td>
<td>b-4</td>
<td>An Unusual Complication of Thymoma in a 49 year old Myasthenia Patient.J. Dearlove</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td></td>
<td>b-5</td>
<td>Relapsing Miller Fisher Syndrome.H. Kamal</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td></td>
<td>b-6</td>
<td>Break &amp; Exhibits</td>
<td>Pre-Function A&amp;B</td>
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<tr>
<td>3:40 pm-3:50 pm</td>
<td>b-6</td>
<td>Neonatal Sensorimotor Peripheral Neuropathy.H. Won Choi</td>
<td>Reverchon A&amp;B</td>
<td></td>
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<tr>
<td>3:50 pm-4:00 pm</td>
<td>b-7</td>
<td>Two Cases of Progressive Polyneuropathy with Multi-System Involvement.R. Fateh</td>
<td>Reverchon A&amp;B</td>
<td></td>
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<tr>
<td>4:00 pm-4:10 pm</td>
<td>b-8</td>
<td>Systemic Sarciodosis Featuring Progressive Oropharyngeal Dysphagia.M. Kazamel</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td>4:10 pm-4:20 pm</td>
<td>b-9</td>
<td>An Unusual Inflammatory Myopathy.E. Chambers</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td>4:20 pm-4:30 pm</td>
<td>b-10</td>
<td>Limbic Encephalitis and Multifocal Motor Neuropathy: Uncovering an Uncommon Cause.S. Khan</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td>4:30 pm-4:40 pm</td>
<td>b-11</td>
<td>Slowly Progressive Vision Loss, Weakness, and Gait Disturbance.A. Hashwani</td>
<td>Reverchon A&amp;B</td>
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</tr>
<tr>
<td>4:40 pm-4:50 pm</td>
<td>b-12</td>
<td>Diagnosis and Management of a Unique Case of Myopathy.J. Morgan</td>
<td>Reverchon A&amp;B</td>
<td></td>
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<tr>
<td>4:50 pm-5:00 pm</td>
<td>b-13</td>
<td>Macrophagic Myositis in a Girl with Atypical Features.R. Narayan</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td>5:00 pm-5:10 pm</td>
<td>b-14</td>
<td>Toe Walking and Muscle Tightness in a 4 year old boy.A. Nelson</td>
<td>Reverchon A&amp;B</td>
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<tr>
<td>5:10 pm</td>
<td>Adjourn</td>
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## DAY 2 PROGRAM AGENDA – FRIDAY, FEBRUARY 26, 2016

<table>
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<th>TITLE</th>
<th>PRESENTER(S)</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>7:00 am-7:45 am</td>
<td>Registration</td>
<td>Continental Breakfast</td>
<td></td>
<td>Pre-Function A</td>
</tr>
<tr>
<td>7:45 am-8:00 am</td>
<td>Introduction &amp; Announcements</td>
<td></td>
<td>Susan T. Iannaccone</td>
<td>Pre-Function B</td>
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### SESSION VI

**MODERATORS: STEVEN VERNINO AND JUSTIN KWAN**

<table>
<thead>
<tr>
<th>8:00 am-8:15 am</th>
<th>S-1</th>
<th>Susceptibility of Infection in the Treatment of Myasthenia Gravis</th>
<th>A. Harrington</th>
<th>Auditorium</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 am-8:30 am</td>
<td>S-2</td>
<td>Instrumented Timed Up and Go in Patients with FSHD</td>
<td>J. Statland</td>
<td>Auditorium</td>
</tr>
<tr>
<td>8:30 am-8:45 am</td>
<td>S-3</td>
<td>CIDP Diagnostic Criteria and Treatment Response</td>
<td>C. Roach</td>
<td>Auditorium</td>
</tr>
<tr>
<td>8:45 am-9:00 am</td>
<td>S-4</td>
<td>Antibody-Negative Autonomic Failure: Case Series</td>
<td>E. Golden</td>
<td>Auditorium</td>
</tr>
<tr>
<td>9:00 am-10:00 am</td>
<td>CARRELL KRUSEN LECTURE</td>
<td>Introduction by Dr. Susan Iannaccone Myotonic Dystrophy: Muscle Provides a Window to the Brain</td>
<td>Dr. John Day</td>
<td>Auditorium</td>
</tr>
<tr>
<td>10:00 am-10:30 am</td>
<td>Break &amp; Exhibits</td>
<td></td>
<td></td>
<td>Pre-Function A&amp;B</td>
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</table>

### SESSION VII

**MODERATORS: TAHSEEN MOZAFFAR AND SRI MUPPIDI**

<table>
<thead>
<tr>
<th>10:30 am-10:45 am</th>
<th>S-5</th>
<th>Open Label Study of Subcutaneous Immunoglobulin (SCig) in Myasthenia Gravis</th>
<th>M. Dimachkie</th>
<th>Auditorium</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 am-11:00 am</td>
<td>S-6</td>
<td>Electrical Impedence Myography in Facioscapulohumeral Muscular Dystrophy</td>
<td>M. Glenn</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:00 am-11:15 am</td>
<td>S-7</td>
<td>Methotrexate Polyglutamation in Myasthenia Gravis</td>
<td>L. Herbelin</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:15 am-11:30 am</td>
<td>S-8</td>
<td>Clinical Update: Eteplirsen, A PMO for DMD</td>
<td>E. Kaye</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:30 am-11:45 am</td>
<td>S-9</td>
<td>M1 and M2 Muscarinic Receptor Antibodies among Patients with Postural Orthostatic Tachycardia Syndrome</td>
<td>D. Dubey</td>
<td>Auditorium</td>
</tr>
<tr>
<td>11:45 am-12:00 pm</td>
<td>S-10</td>
<td>Utility of BBaD Neuromuscular Research Codes in the Era of ICD-10</td>
<td>O. Jawdat</td>
<td>Auditorium</td>
</tr>
<tr>
<td>12:00 pm-12:15 am</td>
<td>S-11</td>
<td>Common LGMD Variant in the Hutterite Community of Alberta, Canada</td>
<td>C. Phan</td>
<td>Auditorium</td>
</tr>
<tr>
<td>12:15 am-1:30 pm</td>
<td>Lunch</td>
<td></td>
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<td>Reverchon A&amp;B</td>
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### SESSION VIII

**BREAKOUT SESSION 1**

<table>
<thead>
<tr>
<th>1:30 pm-2:15 pm</th>
<th>Group A</th>
<th>Approach to Neuromuscular Autoantibodies</th>
<th>Dr. Steven Vernino Dr. Richard Barohn</th>
<th>Auditorium</th>
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<td>Sleep and Pulmonary Disorders in Neuromuscular Disease</td>
<td>Dr. Kamal Naqvi Dr. Won Lee</td>
<td>Maple A/B</td>
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<tr>
<td>Group D</td>
<td>Beyond Diagnostics: A Multi-Disciplinary Medical Home for Neuromuscular Patients</td>
<td>Dr. John Day Emily Payma</td>
<td>Woodlawn B</td>
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### SESSION IX

**BREAKOUT SESSION 2**

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<th>2:30 pm-3:15 pm</th>
<th>Group A</th>
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<td>3:30 pm</td>
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Buffalo, NY
The 38th Annual Carrell-Krusen Neuromuscular Symposium

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### Registration Fees
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- Neurology Residents/Fellows/Students: **$130**
- UT Southwestern Neurology Residents/Fellows/Students: **$75**

### Thursday Night Dinner Reception at the Stoneleigh Hotel
- Attending Dinner: **$35**
- Attending Dinner with Guest: **$70**

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