

The 39th Annual Carrell-Krusen

# NEUROMUSCULAR SYMPOSIUM

**February 23-24, 2017**

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

continuing medical  
education

THE 39TH ANNUAL CARRELL-KRUSEN  
NEUROMUSCULAR SYMPOSIUM AWARDEE:

**RICHARD J. BAROHN, M.D.**

*Sponsored by:*

*The Departments of Pediatrics and Neurology at UT Southwestern  
and the Office of Continuing Medical Education*



**UT Southwestern**  
Medical Center



### **COURSE DIRECTOR**

**Susan T. Iannaccone, M.D., F.A.A.N.**

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Jimmy Elizabeth Westcott Distinguished Chair in Pediatric Neurology  
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Director of Child Neurology  
Children's Medical Center  
Dallas, TX

### **COURSE CO-DIRECTORS**

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### **PROGRAM COMMITTEE**

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**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

## The 39th Annual Carrell-Krusen NEUROMUSCULAR SYMPOSIUM

### 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, Richard J. Barohn, M.D.

### ACCREDITATION

The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) 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)**<sup>™</sup>. 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

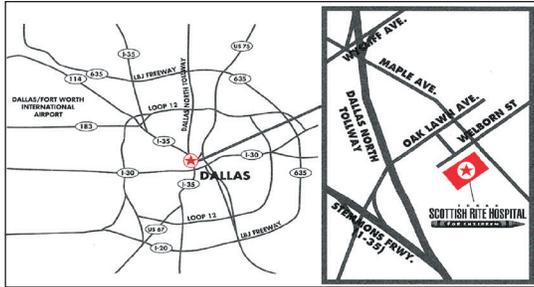
Because this course is meant to educate physicians with what is currently in use and what may be available in the future, there may be "off-label" uses discussed in the presentations. Speakers have been requested to inform the audience when off-label use is discussed.

### 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.

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## 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 February 2, 2017. 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, February 2, 2017

## SPECIAL EVENTS

Meet & Greet the Speakers  
Pre-Registration will be available  
Le Meridien Dallas, The Stoneleigh  
Wednesday, February 22, 2017  
5:00pm – 8:00pm

Dinner & Dance  
Le Meridien Dallas, The Stoneleigh  
Thursday, February 23, 2017  
7:30pm-10:30pm

## CANCELLATION 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 9, 2017. 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](mailto:cmeregistrations@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.

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NEUROMUSCULAR SYMPOSIUM**

**THE 39TH ANNUAL CARRELL-KRUSEN  
NEUROMUSCULAR SYMPOSIUM AWARDEE:**

**RICHARD J. BAROHN, M.D.**

Chairman, Department of Neurology  
Gertrude and Dewey Ziegeler Professor of Neurology  
University Distinguished Professor  
Vice Chancellor of Research  
President, Research Institute  
University of Kansas Medical Center  
Kansas City, Kansas

**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  
2016 - John W. Day

# The 39th Annual Carrell-Krusen NEUROMUSCULAR SYMPOSIUM

## DAY 1 PROGRAM AGENDA – THURSDAY, FEBRUARY 23, 2017

TIME	SESSION / TITLE	PRESENTER(S)	LOCATION
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	Susan T. Iannaccone	Auditorium
<b>SESSION I</b>		<b>MODERATORS: JAYA TRIVEDI AND STEVEN VERNINO</b>	
8:00 am-8:30 am	<b>ABSTRACT #</b> L/V-1	<b>TITLE</b> An Atypical Case Presenting as Duchenne Muscular Dystrophy	K. Arrendondo Auditorium
8:30 am-9:00 am	L/V-2	Progressive Muscle Weakness in a Young Girl	M. Stokes Auditorium
9:00 am-9:30 am	L/V-3	Dyspnea in an Adult	S. Khan Auditorium
9:30 am-10:00 am	L/V-4	A Floppy Infant	D. Castro Auditorium
10:00 am-10:30 am	<b>Break &amp; Exhibits</b>		Pre-Function A&B
<b>SESSION II</b>		<b>MODERATORS: JAYA TRIVEDI AND STEVEN VERNINO</b>	
10:30 am-11:00 am	L/V-5	Post-Exercise Exhaustion in a Patient with Rapsyn Mutation	S. LoRusso Auditorium
11:00 am-11:15 am	L/V-6	A Very Complicated Patient With Muscle Weakness	B. Tseng Auditorium
11:15 am-11:30 am	L/V-7	An Unusual Case of Rapidly Progressive Neuropathy	S. Karimi Auditorium
11:30 am-11:45 am	L/V-8	Subacute Progressive Weakness in a Child With Developmental Motor Delay	J. Kwan Auditorium
11:45 am-12:00 pm	L/V-9	A Confusing Muscle Biopsy	M. Lee Auditorium
<b>12:00 pm-1:00 pm</b>	<b>Lunch</b>		Reverchon A&B
<b>SESSION III</b>		<b>MODERATORS: SUUR BILICILER AND GIL WOLFE</b>	
1:00 pm-2:30 pm	<b>ABSTRACT #</b> P-1	<b>TITLE</b> Childhood Thyroid Myopathy Mimicking Myasthenia Gravis	A. Hurd Woodlawn A&B
	P-2	Amyloid Myopathy as an Inclusion Body Myositis Mimic	A. Hamasaki Woodlawn A&B
	P-3	The Utility of Whole Exome Sequencing in Neuromuscular Rare Disease Diagnosis	M. Waldrop Woodlawn A&B
	P-4	Macrophagic Myofasciitis After Vaccinations	H. Ilieva Woodlawn A&B
	P-5	Intervention Effect on Muscle Biopsy Accuracy in Myositis	A. Hamasaki Woodlawn A&B
	P-6	A Lady Presenting with Weakness and Respiratory Failure, is it Myasthenia?	M. Mouti Woodlawn A&B
	P-7	A Case of Chronic Inflammatory Demyelinating Polyneuropathy in a Toddler	C. Cajavilca Woodlawn A&B
	P-8	A Rare Case of Vacuolar Myopathy	R. Murphy Woodlawn A&B
	P-9	EDB Hypertrophy Associated with FKRP Mutation in LGMD 21	N. Chourasia Woodlawn A&B
	P-10	An Uncommon Presentation of Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)	M. Salhab Woodlawn A&B

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## DAY 1 PROGRAM AGENDA – THURSDAY, FEBRUARY 23, 2017

TIME	SESSION	TITLE	PRESENTER(S)	LOCATION
<b>SESSION III (continued)</b>		<b>MODERATORS: SUUR BILICILER AND GIL WOLFE</b>		
1:00 pm-2:30 pm	<b>ABSTRACT #</b>	<b>TITLE</b>		
	P-11	Hereditary Myopathy with Early Respiratory Failure in an Afghan Woman	T. Lai	Woodlawn A&B
	P-12	Acquired Neuromyotonia: Atypical Unique Features	M. Lavian	Woodlawn A&B
	P-13	A Rare Case of CIDP Associated With Autoimmune Hepatitis	S. Shekhar	Woodlawn A&B
	P-14	A Case of Progressive Asymmetric Limb Weakness With Abnormal Fluorodeoxyglucose (FDG)-Positron Emission Tomography (PET)	A. Amber-Dale	Woodlawn A&B
	P-15	Expanding the Phenotype of TRPV4 Gene Mutations	K. Brown	Woodlawn A&B
	P-16	Paraspinal Muscle Spasm and Rigidity in a Patient With CIDP	R. Fateh	Woodlawn A&B
	P-17	VCP Gene Mutation Veteran with Proximal Weakness	D. Kimple	Woodlawn A&B
	P-18	Small Fiber Sensory and Autonomic Neuropathy: Unmasking a Rare Metabolic Disorder	S. Khan	Woodlawn A&B
<b>SESSION IV</b>		<b>MODERATORS: JEFFREY ELLIOTT AND LAUREN PHILLIPS</b>		
2:30 pm-2:40 pm	B-1	Metabolic Myopathy Presentation with Unusual Dystrophin Mutation	A. Witt	Reverchon A&B
2:40 pm- 2:50 pm	B-2	Foodborne Botulism and Diagnostic Difficulties	N. Samudra	Reverchon A&B
2:50 pm- 3:00 pm	B-3	Delirium and Tremulousness in a Patient with Cancer	K. Blackburn	Reverchon A&B
3:00 pm- 3:10 pm	B-4	An Interesting Case of Familial Muscle Disease	J. Kaufmann	Reverchon A&B
3:10 pm- 3:20 pm	B-5	Rare Cause of Emery-Dreifuss Muscular Dystrophy	M. Christie	Reverchon A&B
3:20 pm-3:40 pm	<b>Break</b>			
<b>SESSION V</b>		<b>MODERATORS: DIANA CASTRO AND MAZEN DIMACKKIE</b>		
3:40 pm-3:50 pm	B-6	A Case of Vacuolar Myopathy	D. Jabari	Reverchon A&B
3:50 pm-4:00 pm	B-7	An Unusual Phenotype of Familial ALS with SOD1 Mutation	E. Golden	Reverchon A&B
4:00 pm-4:10 pm	B-8	Peripheral Nerve Invasion by B-cell Lymphoma: A Case Report	S. Akbaripanahi	Reverchon A&B
4:10 pm-4:20 pm	B-9	Proximal Weakness and HIV	H. Ossó-Rivera	Reverchon A&B
4:20 pm-4:30 pm	B-10	A 50-Year-Old Gentleman with Progressive Difficulty Walking	G. Suarez-Cedeno	Reverchon A&B
4:30 pm-4:40 pm	B-11	Demyelinating Polyneuropathy With Mercury Toxicity	J. Smith	Reverchon A&B
4:40 pm-4:50 pm	B-12	Rhabdomyolysis: An Athlete's Journey to Diagnosis	S. Sakamuri	Reverchon A&B
4:50 pm-5:00 pm	B-13	A Case of Inflammatory HNPP	S. Yang	Reverchon A&B
5:00 pm-5:10 pm	B-14	CMT1A with Additional Features as a Genetic Double-Hit	M. Cardon	Reverchon A&B
5:10 pm-5:20 pm	B-15	GEMIN5 Mutation Presenting as Spinal Muscular Atrophy with Pontocerebellar Hypoplasia Phenotype	S. Shareef	Reverchon A&B
5:20 pm-5:30 pm	B-16	Dangerous Case of Wrist Drop	J. Kersen	Reverchon A&B
<b>ADJOURN</b>				
7:30 pm-10:30 pm		<b>Dinner &amp; Dance</b>		Le Meridien Dallas, The Stoneleigh

# The 39th Annual Carrell-Krusen NEUROMUSCULAR SYMPOSIUM

## DAY 2 PROGRAM AGENDA – FRIDAY, FEBRUARY 24, 2017

TIME	SESSION	TITLE	PRESENTER(S)	LOCATION
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	Welcome and Announcements		Susan Iannaccone	Auditorium
<b>SESSION VI</b>		<b>MODERATORS: TAHSEEN MOZAFFAR AND JUSTIN KWAN</b>		
	<b>ABSTRACT #</b>	<b>TITLE</b>		
8:00 am-8:15 am	S-1	Evaluation of Therapeutic Response Between IIM and ANM	R. Murphy	Auditorium
8:15 am-8:30 am	S-2	Autoimmune Limb Girdle Myasthenia	V. Sreenivasan	Auditorium
8:30 am-8:45 am	S-3	Two Cases of Demyelinating Neuropathy with Unusual Association	D. Dillon	Auditorium
8:45 am-9:00 am	S-4	A Cohort of Patients with Mitochondrial Myopathy	C. Phan	Auditorium
9:00 am-10:00 am	<b>CARRELL KRUSEN LECTURE</b>	Introduction of Dr. Barohn A Tale of 4 INDs	Jaya Trivedi Richard J. Barohn	Auditorium
10:00 am-10:30 am	<b>Break</b>			Pre-Function A&B
<b>SESSION VII</b>		<b>MODERATORS: SHARON NATIONS AND PERRY SHIEH</b>		
10:30 am-10:45 am	S-5	Evaluation of Intra-Rater and Inter-Rater Reliability	D. Kimple	Auditorium
10:45 am-11:00 am	S-6	Pain and Anxiety with Electrodiagnostic Procedure	M. Pasnoor	Auditorium
11:00 am-11:15 am	S-7	Low-Dose Immunotherapy and Eventual Outcome in MG	G. Wolfe	Auditorium
11:15 am-11:30 am	S-8	Myofibrillar Myopathy Associated with DNAJB6 Mutations	M. Pasnoor	Auditorium
11:30 am-11:45 am	S-9	Clinical and Electrophysiological Characterization of CRMP-5-IgG Antibody Associated Paraneoplastic Neuropathy	D. Dubey	Auditorium
11:45 am-12:00 pm	S-10	Case series of Neuropathic Symptoms in 3 Adolescent Females with Diabetes Mellitus	S. Shareef	Auditorium
<b>SESSION VIII</b>		<b>LUNCH AND LEARN</b>		<b>12:00 PM-2:00 PM</b>
12:00 pm-1:15 pm		Myoediting	Eric Olson	Reverchon A&B
1:15 pm-2:00 pm		Clinical Trial Brainstorming	Richard J. Barohn	Reverchon A&B
2:00 pm		Closing Remarks	Jaya Trivedi	
		<b>Adjourn</b>		

**The 39th Annual Carrell-Krusen**  
**NEUROMUSCULAR SYMPOSIUM**

**PROGRAM FACULTY**

**Richard J. Barohn, M.D.**

Chairman, Department of Neurology  
Gertrude and Dewey Ziegler Professor of Neurology  
University Distinguished Professor  
Vice Chancellor of Research  
President, Research Institute  
University of Kansas Medical Center  
Kansas City, Kansas

**Eric N. Olson, Ph.D.**

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Principal Investigator, Wellstone Muscular Dystrophy Center  
Professor and Chairman, Department of Molecular Biology  
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**Steven Vernino, M.D., Ph.D.**

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Dallas, TX

**Gil Wolfe, M.D., F.A.A.N.**

Professor and Chairman  
Department of Neurology  
Jacobs Neurological Institute  
Buffalo General Hospital  
Buffalo, NY



**39TH ANNUAL  
CARRELL-KRUSEN NEUROMUSCULAR SYMPOSIUM**

Thursday - Friday, February 23-24, 2017 RP#1702C

Register online at [cme.utsouthwestern.edu/rp1702c](http://cme.utsouthwestern.edu/rp1702c)



**Registration Fees** Physicians/Health Care Providers **\$175**  
Neurology Residents/Fellows/Students **\$130**  
UT Southwestern Neurology Residents/Fellows/Students **\$75**

**Thursday Night Dinner  
Reception at the  
Stoneleigh Hotel** Attending Dinner/Dance + Guest - \$25  
Attending Dinner/Dance + 2 Guests - \$50

**Registration Instructions** UT Southwestern Medical Center Office of CME utilizes an online registration system.

After opening the registration link, you will be prompted to login to an account within the online system in order to register. If you have not previously registered for any courses you must first create a user profile and then can go back and register for the course.

If you have already created a user profile, please login to your account and then click on "take course" located at the bottom of the page on the course site in order to register.

We only accept credit card payments online. For other payment options please contact our office directly at 214-648-3138 or [cmeregistrations@utsouthwestern.edu](mailto:cmeregistrations@utsouthwestern.edu)