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**NEWS**  
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\*\*\*Researchers meeting to exchange findings on muscular dystrophy and related neuromuscular diseases.

DALLAS--"Muscular dystrophy," a term applied to a group of crippling diseases in which muscles progressively weaken and degenerate, will be the theme for the Fifth Annual Carrell-Krusen Symposium, being held Fri., Nov. 19 from 8 a.m. till 5 p.m. at Texas Scottish Rite Hospital for Crippled Children.

The symposium, given in cooperation with The University of Texas Health Science Center at Dallas, will feature talks by scientists wanting to exchange research and treatment findings on muscular dystrophy and related neuromuscular diseases.

Guest lecturer will be Dr. Lewis P. Rowland, professor and chairman of the Neurological Institute at Columbia University. He will speak at Scottish Rite at 11:10 a.m. on "Mitochondrial Myopathies: Diseases of Muscle and Brain." Rowland also will be presenting talks to physicians and scientists on Nov. 17 and 18 at UTHSCD, Parkland Memorial Hospital and Dallas Veterans Administration Medical Center.

The most common form of muscular dystrophy, called the "Duchenne type," strikes children between the ages of two and six. In this disorder weakness begins in the large muscles of the thighs and pelvis, making walking and rising from the floor difficult. Children with this disease characteristically raise the upper body by "climbing up the legs." They brace the hands over the lower legs and then push up, moving the hands as though climbing a ladder. Most patients are bedridden by the early teens and death results either from respiratory problems since lung muscles weaken, or from heart failure from the effects of the disease on heart muscle.

Most of the symposium speakers are faculty members at UTHSCD. Coordinating the event is Dr. Jay Cook, pediatric neurologist in the Department of Neurology at the health science center.

The program is as follows:

- 8:00 AM Registration, coffee and doughnuts
- 8:30 AM Welcoming and Introductions, Tony Herring, M.D., Robert Walker and Jay D. Cook, M.D.

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-2- Muscular dystrophy

- 8:45 AM "Mechanochemistry of Muscular Dystrophy" -- Howard Feit, M.D.
- 9:15 AM "Myosin Light Chain Phosphorylation and Skeletal Muscle Twitch Potentiation" -- Russell Moore, Ph.D.
- 9:45 AM "Calcium-Dependent Proteases in Rat Skeletal and Cardiac Muscle" -- George DeMartino, Ph.D.
- 10:15 AM COFFEE BREAK
- 10:30 AM "Myoblast Senescence in Muscular Dystrophy" -- Woodring Wright, M.D., Ph.D.
- 11:00 AM Presentation of the 1982 Carrell-Krusen Lecture Award
- 11:10 AM "Mitochondrial Myopathies: Diseases of Muscle and Brain" -- Carrell-Krusen Lecture by Lewis P. Rowland, M.D.
- 12:15 PM LUNCH
- 1:30 PM "Calcium Movements in Sacrolemmal Membrane Vesicles" -- John Reeves, Ph.D.
- 2:00 PM "Neuromuscle Disease and Skeletal Growth" -- William Gonyea, Ph.D.
- 2:30 PM "Exercise in Neuromuscular Disease -- Physiological and Biochemical Correlates" -- Ronald G. Haller, M.D.
- 3:00 PM BREAK
- 3:30 PM "Phenotypic Alterations of Lymphocyte Subpopulations in Myasthenia Gravis" -- Richard S. A. Tindall, M.D.
- 4:00 PM "False Positives and False Negatives in Using <sup>3</sup>H-Thymidine as an Indicator of Immunologic Function" -- Jay D. Cook, M.D.

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