Auditory Neuropathy / Dys-Synchrony and Cochlear Implantation

The Center for Pediatric Auditory and Speech Sciences
&
The Cochlear Implant Program
Present the
4th Annual Cochlear Implant Symposia on

Auditory Neuropathy / Dys-Synchrony and Cochlear Implantation

April 28—29, 2008
The Alfred I. duPont Hospital for Children
Wilmington, Delaware

Examples of studies and projects at the Laboratory are: noise induced hearing loss, auditory processing disorders, ototoxicity, auditory neuropathy/dys-synchrony and function of the efferent auditory pathways in speech-in-noise listening.

The Auditory Physiology and Psychoacoustics Laboratory is committed to the advancement of hearing science as well as improving the practice of pediatric health care in related areas.

Auditory Neuropathy/Dys-Synchrony program at Alfred I. duPont Hospital for Children
Auditory Neuropathy/Dys-Synchrony (AN/AD), which affects approximately 10—13% of children diagnosed with sensorineural hearing loss, continues to present a challenge to parents and professionals. Our program has developed a diagnostic protocol using a team approach that allows us to manage and track AN/AD children, educate their parents and counsel the child’s educational team.

Our program specifically targets diagnosis, treatment and research in the area of AN/AD and allows us to better respond to the needs of the children with AN/AD. The AN/AD team consists of professionals including a neuroscientist, pediatric audiologists, an educator of the deaf, research staff, a pediatric otolaryngologist, speech and language pathologists and consultants from various other departments (Occupational Therapy, Imaging, Cochlear Implant program, Neurology, Genetics, Behavioral Health and Ophthalmology). This program enhances our ability to conduct research on this disorder and develop effective treatment strategies for optimal outcomes. Additionally, the team is actively involved in educating the community regarding the diagnosis and management of children with AN/AD.

For more information on CPASS contact:
The Center for Pediatric Auditory & Speech Sciences
Nemours Biomedical Research
1600 Rockland Road I Wilmington, DE 19803
Phone: 302.651.6839   Fax: 302.651.6895

The Center for Pediatric Auditory and Speech Sciences (CPASS) at Nemours / Alfred I. duPont Hospital for Children is dedicated to translational research in the audiological and speech sciences with the goal of advancing the practice of pediatric health care in related areas while simultaneously advancing the underlying science.

Four laboratories comprise CPASS: the Auditory Physiology and Psychoacoustics Laboratory headed by Thierry Morlet, PhD; the Craniofacial Outcomes Research Laboratory headed by Linda Vallone, PhD; the Pediatric Balance and Vestibular Disorders Laboratory headed by Robert O’Reilly, MD, FAANS; and the Speech Research Laboratory headed by Timothy Bonnell, PhD. Individually and together, these laboratories provide strong clinical ties to the duPont Hospital Cleft Palate Clinic, Vestibular Disorders Program, Cochlear Implant Program and Speech Therapy Program.

Auditory Physiology and Psychoacoustics Research Laboratory
Research at the Auditory Physiology and Psychoacoustics Laboratory focuses on the development of various parts of the auditory system in normal children and children with hearing and vestibular impairments.

Hearing disorders are extremely common in children. The National Institute on Deafness and Other Communication Disorders reports that three children in every thousand are born deaf or hard of hearing and that roughly 1.2 million children nationwide will suffer from hearing loss by age 18. Hearing loss affects a child’s ability to develop normal language skills, succeed academically and communicate effectively. The etiology of hearing disorders remains too often unknown. Diagnosis can be complex and not necessarily realized in a timely fashion. As such, child-specific management is problematical and success is not guaranteed.

Through various collaborations with clinical departments at Nemours, many of the research studies at the Laboratory involve translational research, which will directly influence clinical decision making and interventions in newborns and children.
Auditory Neuropathy / Dys-Synchrony & Cochlear Implantation

Monday, April 28, 2008

Training Course for Healthcare Professionals
Thierry Morlet, PhD and Charles I. Berlin, PhD

8:15-8:45 Registration—Classroom 2 & 3
8:45-9:00 Welcome/Open Comments
9:00-9:45 Anatomy & Physiological Hearing: Introduction to AN/AD
9:45-10:15 Diagnosis of AN/AD
10:15-10:45 Building an Auditory Neuropathy program in a hospital setting
10:45-11:15 Break/Equipment Demos
11:15-12:00 Management of AN/AD in infants, children & adults: hearing aids, FM systems and cochlear implants
12:00-1:00 Presentation of cases. Patient variations and changes over time
2:00-2:30 Viviosonic—Wireless recording of physiological data
2:30-3:00 Hands-on practice: OAEs, MEMRs and ABRs for screening and diagnosis
3:00-3:30 Final Comments/Questions/Evaluations

Learning Objectives:
1) Describe three auditory characteristics of patients presenting with Auditory Neuropathy/Dys-Synchrony
2) List two different tests required for the diagnosis of Auditory Neuropathy/Dys-Synchrony in infants and children
3) Describe two different options available for the management of Auditory Neuropathy/Dys-Synchrony in infants and children

CME/Accreditation
Nemours is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. Nemours designates this educational activity for a maximum of 6 AMA PRA Category 1 Credits™ for Tuesday only. Physicians should only claim credit commensurate with the extent of their participation in the activity. The Delaware State Board of Nursing accepts AMA PRA Category 1 Credits™ for nursing licensure contact hours.

CEU/Accreditation
The Alfred I. duPont Hospital for Children Therapeutic and Rehabilitation Services is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. This program is offered for: 4 CEUs for 4/28 and 3 CEUs for 4/29 (11 CEUs both days; advanced level, professional area). ASHA CE Provider does not imply endorsement of course content, specific products, or clinical procedures.

Monday, April 29, 2008

Cost:
There is a registration fee for all healthcare professionals and all students (free for Nemours Associates). Seating is limited. Advance registration is highly recommended. Please complete the registration form attached and send it with your payment, or register online.
http://medsci.udel.edu/symposia

Cancellation Policy
A full refund will be given for cancellations received before April 10, 2008. No refunds will be given after that date. The hospital is not responsible for any cancellation or change fees assessed by airlines, hotels or travel agencies.

Site
The program will be held on the third floor in the Lecture Hall of the Alfred I. duPont Hospital for Children, located at 1600 Rockland Road, Wilmington, DE.

Hotel Accommodations
The Brandon-Yolly Inn is located 15 min. from the hospital. Please call toll-free 800.537.7777 or 302.656.7436.

Americans with Disabilities Act
In accordance with the Americans with Disabilities Act, the duPont Hospital for Children will provide modifications in teaching methodologies to accommodate individual needs. To request disability accommodations, contact us at least 15 days in advance of the program.

Disclosures
As a provider accredited by the ACCME, Nemours must ensure balance, independence, objectivity and scientific rigor in its educational activities. All faculty involved in the development of CME content are required to disclose to Nemours their relevant financial relationships. An individual has a relevant financial relationship if he/she has a financial relationship with any commercial entity that produces or markets products or services that are the subject of the CME content and has a financial interest in any outcome of the educational activity. For example, faculty and their spouses/partners may receive funds or other benefits from pharmaceutical or device companies related to the CME activity. Financial relationships must be disclosed for both the presenter and the presenter’s spouse/partner. All faculty have disclosed any relevant financial relationships.

Travel
Method of Payment
Check payable to: Nemours Biomedical Research
Via MasterCard
American Express

CME/Accreditation
This course is sponsored in part by educational grants in accordance with ACCME Standards. Additional supporters and exhibitors will be disclosed during the conference.

About Nemours Symposia on Pediatric Medical Research
Nemours is committed to advancing the practice of pediatric medicine through research. We host a continuous series of educational symposia to provide scientists, engineers, clinicians, and interested members of the public opportunities to meet and discuss advanced concepts and technologies directed toward improving healthcare for children. If you would like more information about the Nemours Symposia, please let us know when you register.

Registration Form
Deadline for Early Registration is March 1, 2008
Auditory Neuropathy/Dys-Synchrony and Cochlear Implantation
April 28-29, 2008

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* Early registration deadline is March 1, 2008. Any registration received after that will be at the higher rate of $125 per day for professionals, and $75 per day for students.

Please send in your payment to address below.
Thank you.

Center for Pediatric Auditory & Speech Sciences
Nemours Biomedical Research/ Shirley Morrison 1600 Rockland Road
Wilmington, DE 19803
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