Kresge Hearing Research Laboratory, New Orleans

How to Identify and Manage Patients with Auditory Neuropathy/Auditory Dys-synchrony

February 17-19, 2005

Guest Speaker: Arnold Starr, MD

Course Faculty and Staff:
Linda J. Hood, PhD  Charles I. Berlin, PhD
Shanda Brashears, MCD  Bronya J.B. Keats, PhD
Robin Morehouse, AuD  Thierry Morlet, PhD
Barbara Wendt-Harris, PhD  Diane Wilensky, MS

PRELIMINARY SCHEDULE - OVERVIEW

Thursday, February 17, 2005 – Focus on Evaluation

8:00 am  Shuttle departs hotel
8:15 – 8:30 am  Registration
8:30 am – Noon
  ▪ Welcome, overview of course materials, attendee interviews
  ▪ Review of auditory physiology, hair cell and neural function
  ▪ Defining auditory neuropathy/dys-synchrony
  ▪ Diagnosing auditory neuropathy/dys-synchrony: audiologic and other evaluations
  ▪ The limited value of the audiogram or use of physiologic methods to “predict an audiogram” in diagnosing and managing AN/AD
  ▪ Case studies

Noon – 1:00 pm  Lunch (On your own)
1:00 – 4:30 pm  Otoacoustic Emissions: Principles and characteristics
  ▪ OAE recording and interpretation;
  ▪ Clinical applications of OAEs in infants, children, and adults;
  ▪ Efferent suppression of emissions
Auditory Evoked Potentials in relation to AN/AD: Clinical applications, protocols, techniques, responses to condensation and rarefaction clicks, limitations of toneburst ABR and ASSR in AN/AD
Auditory brainstem responses for general (non-AN/AD) clinical applications:
  ▪ Toneburst and bone conduction ABR protocols and techniques; Auditory steady state response (ASSR)
  ▪ Case studies using frequency specific and bone conduction techniques
  ▪ The limitations of toneburst and ASSR in AN/AD.
Hands-on instruction: Effects of polarity on ABR; Toneburst and bone conduction ABR, ASSR, specialized techniques

4:30 pm  Shuttle return to hotel

Friday, February 18, 2005 – Focus on Management

8:00 am  Shuttle departs hotel
8:15 – 8:30 am Coffee and tea at Kresge
8:30 am – Noon Management of unilateral and bilateral AN/AD in infants, children and adults
Recommendations and experience regarding hearing aids, FM systems and cochlear implants
Patient variation and changes over time

Noon – 1:00 pm Lunch (On your own)
1:00 – 4:30 pm Genetics and AN/AD including implications regarding management
Case studies, case studies, case studies… yours and ours
Hands-on instruction

4:30 pm Shuttle return to hotel

Saturday, February 19, 2005 – Putting It All Together

8:00 am Shuttle departs hotel
8:15 – 8:30 am Coffee and tea at Kresge
8:30 am – 1:00 pm More case studies: infants, children, and adults
Specialty breakout sessions for audiologists, physicians, early interventionists, and speech-language pathologists
AN/AD patients and parents: Panel presentation and discussion from patients and parents
Course summary and future directions

1:00 pm Shuttle returns to hotel

NOTE: Morning and afternoon nutrition breaks not shown on schedule.

Hotel Accommodations: A block of hotel rooms have been reserved at the Iberville Suites (910 Iberville Street), a part of the Ritz-Carlton Hotel in the French Quarter. To make reservations for this course ($159.00 per night), please call the hotel at 504-523-2400, and tell them you are registering with the Kresge group. This block of rooms is guaranteed for only 30 days before the course (January 17, 2005), so register early! Transportation will be provided between this hotel and LSU Health Sciences Center.

Contacting Kresge Lab:
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Kresge Hearing Research Laboratory is approved by the American Academy of Audiology to offer AAA CEUs for this activity. The program is worth a maximum of 1.6 CEUs. AAA approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures.