

**An Advanced Workshop on Auditory Evoked
Potentials and Otoacoustic Emissions
October 14-16, 2004**

**Guest Speaker:
Yvonne S. Sininger, Ph.D.**

Course Faculty and Staff:

Linda J. Hood, Ph.D.	Charles I. Berlin, Ph.D.
Shanda Brashears, M.C.D.	Bronya J.B. Keats, Ph.D.
Robin Morehouse, Au.D.	Thierry Morlet, Ph.D.
Barbara Wendt-Harris, Ph.D.	Diane Wilensky, M.S.

Thursday, October 14, 2004

6:30 am Breakfast buffet begins at the hotel
8:00 am Shuttle departs hotel
8:15 – 8:30 am Registration
8:30 – 9:00 am Welcome, overview of course materials, attendee interviews
Otoacoustic Emissions
9:00 – 9:30 am OAEs: Review of auditory physiology, hair cell function
9:30 – 10:00 am OAEs: Principles and characteristics – SOAEs, TEOAEs, DPOAEs
10:00 – 10:15 am *Nutrition Break*
10:15 – 10:45 am OAEs: Stimulus and recording considerations
10:45 – 11:45 am OAEs: Hands-on instruction: OAE recording and interpretation
11:45 – 12:45 pm *Lunch (On your own)*
12:45 – 2:15 pm OAEs: Clinical applications of OAEs in infants, children, and adults
Efferent suppression of emissions
2:15 – 2:30 pm *Nutrition Break*
Auditory Brainstem Response
2:30 – 3:30 pm ABR: Neurological applications and considerations; protocols, techniques,
responses in normal hearing and hearing-impaired listeners
Sensitizing the ABR – Stacked ABR
3:30 – 4:15 pm Sensitizing the ABR – Detection methods
4:15 – 4:30 pm Case studies and discussion: OAEs and ABR
4:30 pm Shuttle return to hotel

**6:15 – 7:30 pm *Private JAZZ CONCERT for course attendees and guests at New Orleans’
historic Preservation Hall, 726 St. Peter Street in the French Quarter
(walking distance from the hotel)***

Friday, October 15, 2004

6:30 am Breakfast buffet begins at the hotel
8:00 am Shuttle departs hotel
8:15 – 8:30 am Coffee and tea at Kresge
Auditory Brainstem Response and Auditory Steady State Response
8:30 – 10:00 am Infant hearing screening and quantifying hearing in pediatric populations
10:00 – 10:15 am *Nutrition Break*
10:15 – 11:15 am Auditory steady state response (ASSR)
Toneburst and bone conduction protocols and techniques
11:15 – 11:45 am Case studies using frequency specific and bone conduction techniques

11:45 – 12:45 pm *Lunch (On your own)*
12:45 – 2:15 pm ABR: Hands-on instruction: Toneburst and bone conduction ABR, ASSR, Fsp, MLS
2:15 – 2:30 pm *Nutrition Break*
Auditory Neuropathy/Dys-synchrony
2:30 – 3:15 pm Evaluation and classification of auditory neuropathy
3:15 – 4:30 pm Management of auditory neuropathy in infants, children, and adults.
Variation among patients and over time
4:30 pm Shuttle return to hotel
Evening Dinner and entertainment on your own – check our suggestions.

Saturday, October 16, 2004

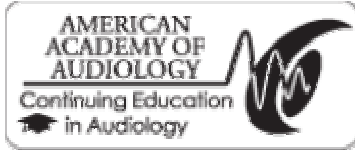
6:30 am Breakfast buffet begins at the hotel
8:00 am Shuttle departs hotel
8:15 – 8:30 am Coffee and tea at Kresge
ABR and OAE Case Studies
8:30 – 9:15 am More ABR and OAE case studies: infants, children, and adults, AN/AD
Auditory Evoked Potentials
9:15 – 10:15 am Auditory evoked potentials: Current applications of middle latency responses (MLR, 40 Hz) and cortical potentials (N1-P2, P300, MMN), using physiological responses in tracking performance
10:15 – 10:30 am *Nutrition Break*
Hereditary Hearing Loss and Genetics
10:30 – Noon Hereditary hearing loss: Update on genetic advances; using the family pedigree in obtaining case history information
Noon – 1:00 pm *Lunch (Catered lunch provided)*
1:00 – 2:30 pm Option 1: Hands-on instruction with auditory evoked potentials and OAEs
Option 2: More case studies and report writing
2:30 – 2:45 pm *Nutrition Break*
Clinical Protocols and Case Studies
2:45 – 3:45 pm Final case studies (Yours and Ours), interpretation and reporting results
3:45 – 4:00 pm Clinical strategies and protocols using OAEs and auditory evoked potentials
Course summary and evaluation
4:00 pm Shuttle returns to hotel

Contacting Kresge Lab:

Phone: (504) 568-4785
Fax: (504) 568-4460
Website: www.kresgelab.org
Course Coordinator: coursecoordinator@lsuhsc.edu

Course fee: \$450.00 (\$400.00 for previous Kresge or Vanderbilt course attendees)

Hotel Accommodations: Accommodations are 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 (**September 13, 2004**), so register early!



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 1.9 CEUs. AAA approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures.



Kresge Hearing Research Laboratory 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 1.9 CEUs (intermediate level; professional area). ASHA CE Provider approval does not imply endorsement of course content, specific products, or clinical procedures.