

**An Advanced Workshop on Auditory Evoked
Potentials and Otoacoustic Emissions**
October 23-25, 2003

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

Course Faculty and Staff:

Linda J. Hood, Ph.D.	Richard P. Bobbin, 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.
Li Li, M.D.	

Thursday, October 23, 2003

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: Cochlear 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; suppression of OAEs
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
Effluent suppression of emissions
2:15 – 2:30 pm *Nutrition Break*

Auditory Brainstem Response

2:30 – 3:00 pm ABR: Anatomy and physiology of the auditory neural pathways
3:00 – 3:45 pm ABR: Neurological applications and considerations; protocols, techniques, responses in normal hearing and hearing-impaired listeners
3:45 – 4:30 pm Case studies demonstrating the role of OAEs and ABR in the audiological test battery
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 24, 2003

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 – 9:30 am ABR in audiological applications: Frequency-specific, toneburst, and bone conduction techniques, applications and test protocols
9:30 – 10:00 am Auditory steady state response (ASSR)
10:00 – 10:15 am *Nutrition Break*
10:15 – 11:45 am Hands-on instruction: Toneburst and bone conduction ABR, ASSR, Fsp, MLS
11:45 – 12:45 pm *Lunch (On your own)*

12:45 – 2:15 pm OAEs and ABR: Issues in newborn hearing screening and pediatric evaluation
2:15 – 2:30 pm *Nutrition Break*
Auditory Neuropathy/Dys-synchrony
2:30 – 3:30 pm Evaluation and classification of auditory neuropathy
3:30 – 4:30 pm Management of auditory neuropathy in infants, children, and adults; consideration of 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 25, 2003

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 – 10:00 am More ABR and OAE case studies: infants, children, and adults
10:00 – 10:15 am *Nutrition Break*

Hereditary Hearing Loss and Genetics

10:15 – 11:15 am Hereditary hearing loss: Update on genetic advances; using the family pedigree in obtaining case history information

Auditory Evoked Potentials

11:15 – Noon Auditory evoked potentials: Current applications of middle latency responses (MLR, 40 Hz) and cortical potentials (N1-P2, P300, MMN)
Applications cortical responses in evaluating and tracking performance

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 test results
Clinical strategies and protocols using OAEs and auditory evoked potentials (or “When to do what) and resource review

3:45 – 4:00 pm Course summary and evaluation

4:00 pm Shuttle returns to hotel

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

Hotel Accommodations: Please note that we are now using the Iberville Suites (910 Iberville St.). 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 22, 2003**), 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 1.8 CEUs. AAA approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures.

The Kresge Hearing Research Laboratory is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to offer continuing education activities in Speech-Language Pathology and Audiology. This program is offered for 1.8 CEUs; introductory/intermediate level; basic communication processes area. ASHA approval of a CE provider does not imply endorsement of course content, specific products, or clinical procedures.

Contact us (attention: Course Coordinator):

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