

A Practical Short Course in Auditory Evoked Potentials and Otoacoustic Emissions

January 21-24, 2004

Guest Speaker:
Terence W. Picton, M.D., Ph.D.

Course Faculty and Staff:

Linda J. Hood, Ph.D.	Charles I. Berlin, 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.

Wednesday, January 21, 2004

6:30 am Breakfast buffet begins at the hotel
8:00 am Shuttle departs hotel
8:15 - 8:30 am Registration, coffee and tea
8:30 - 9:00 am Welcome, overview of course materials, attendee interviews
9:00 -10:00 am Review and overview of **ABR and OAE principles**
10:00 -10:15 am *Nutrition break*
10:15 -11:00 am Review of **anatomy and physiology of the auditory neural pathways**
11:00 – 11:45 am **ABR: Normal characteristics**, demonstration
11:45 - 12:45 pm *Lunch (on your own)*
12:45 - 1:45 pm **ABR: Click ABRs and neurological applications**
ABR: Stimulus, recording, and subject factors; stacked ABR
Nutrition break
1:45 - 2:00 pm
2:00 - 3:30 pm **Hands-on practice: Normal ABR, waveform identification, effects of Stimulus intensity, latency-intensity functions, polarity and rate effects**
3:30 - 4:30 pm **Hereditary hearing loss and update on advances in genetics**
4:30 pm Shuttle returns to hotel
Evening on your own – check our suggestions.

Thursday, January 22, 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
8:30 - 9:15 am Update on **cochlear physiology**
9:15 - 10:00 am **OAEs: Principles and characteristics: SOAEs, TEOAEs, DPOAEs**
Nutrition break
10:00 - 10:15 am
10:15 - 10:45 am **OAEs: Clinical applications** in infants, children, and adults
10:45 – 11:45 am Hands-on practice: OAE recording and Interpretation
11:45 - 12:45 pm *Lunch (on your own)*
12:45 - 2:15 pm **Guest Speaker: “Auditory Evoked Potentials”**
2:15 - 2:30 pm *Nutrition break*
2:30 - 3:15 pm **Toneburst and bone conduction ABRs: Principles, recording and interpretation**
3:15 - 4:30 pm Hands-on practice: Toneburst ABR; bone conduction ABR; additional OAE practice; **OAE suppression**
4:30 pm Shuttle returns to hotel
6:15 - 7:30 pm **Private JAZZ CONCERT at Preservation Hall, 726 St. Peter Street (in the French Quarter within walking distance of the hotel)**

Friday, January 23, 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
8:30 - 8:45 am Questions and discussion
8:45 - 10:15 am **Auditory neuropathy/dys-synchrony** in infants, children, and adults:
Characteristics, identification, and management
10:15 - 10:30 am *Nutrition break*
10:30 - 11:00 am Auditory neuropathy/dys-synchrony: discussion and case studies
11:00 - 11:45 am **OAEs and ABR:** Newborn hearing screening
11:45 - 12:45 pm *Lunch (on your own)*
12:45 - 2:15 pm **Guest Speaker: "Auditory Steady State Responses"**
2:15 - 2:30 pm *Nutrition break*
2:30 - 4:00 pm Hands-on practice: Auditory steady-state responses; ABR and OAE
protocols
4:00 - 4:30 pm **Case studies and report writing:** ABR, OAE, auditory neuropathy
4:30 pm Shuttle returns to hotel
Evening on your own – check our suggestions.

Saturday, January 24, 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
8:30 - 9:15 am **ABR and OAE case studies: Yours and ours**
9:15 - 10:15 am **OAEs and ABR in newborn hearing screening**
10:15 - 10:30 am *Nutrition break*
10:30 - 11:30 am Middle latency, 40-Hz, and cortical auditory potentials: Characteristics and
current applications
11:30 - Noon **Test strategies and protocols:** Review for assessment and use
in your practice
Noon - 1:00 pm *Catered lunch at Kresge Lab*
1:00 - 4:00 pm **Optional hands-on practice:** ABR, OAE, ASSR, test protocols, report
writing, MLR and late responses, individual and group discussions
4:00 pm Shuttle returns to hotel

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 2.5 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 2.5 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.

Course fee: \$600.00 (\$550.00 for previous Kresge or Vanderbilt course attendees)

Hotel Accommodations: Please note that we are now using the Iberville Suites (910 Iberville Street in the French Quarter). To make reservations for this course (**\$139.00** 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 (**December 20, 2003**), so register early!

Contact us (attention: Course Coordinator):

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