

INSTRUCTORS

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Clinical Audiologist, Faculty Lecturer
Vestibular and Audiology Curriculum
Northwestern University
Department of Clinical Hearing Science

INTENDED AUDIENCE

Otolaryngologists

Audiologists

Neurologists

Physical Therapists

VNG/ENG Technicians

This is an intermediate course on balance function testing and diagnosis. Basic knowledge of VNG/ENG and experience with dizzy patients are prerequisites.

COURSE OBJECTIVES

1. Recognize how vestibular disorders fit into the larger medical spectrum of dizziness and imbalance.
2. Recognize the clinically relevant anatomy and physiology of the vestibular system.
3. Perform a bedside examination of the dizzy patient, using video goggles.
4. Perform a VNG examination.
5. Determine the typical bedside and VENG findings in unilateral and bilateral vestibular loss, positional vertigo, fistulae, central vertigo, and non-vestibular vertigo.

DIAGNOSIS OF DIZZINESS & BALANCE DISORDERS

Thursday 11/02/06:

- 8:00-8:30 Registration
8:30-9:30 Overview of Dizziness & Balance Disorders
 Causes
 Practical Implications
9:30-10:30 Anatomy & Physiology of Eyes, Ears & Brain Systems Involved in Dizziness
10:30-11:00 BREAK
11:00-12:00 Methodology of Bedside Examination
 Balance Testing, Oculomotor Testing, VOR Testing, Special Tests
12:00-1:00 WORKING LUNCH
 (See Reverse for Details)
1:00-2:00 VNG Methodology
2:00-3:00 Unilateral Vestibular Loss/Fluctuation
 Background, Bedside Maneuvers, & VNG Findings
3:00-3:15 BREAK
3:15-4:15 Bilateral Vestibular Loss
 Background, Bedside Maneuvers, & VNG Findings
4:15-5:15 Practice (Bedside or VNG)
5:15 ADJOURN

Friday 11/03/06:

- 8:30-9:30 Positional Vertigo
 Background, Bedside Maneuvers, & VNG Findings
9:30-10:30 Fistulae and SCD
 Background, Bedside Maneuvers, VNG Findings & VEMP Test
10:30-11:00 BREAK
11:00-12:00 Practice (Bedside or VNG)
12:00-1:00 WORKING LUNCH
 (See Reverse for Details)
1:00-2:00 Central Vertigo
 Background, Bedside Maneuvers & Examples, & VNG Findings
2:00-3:00 Background & Clinical Patterns of Malingering, Psychogenic Problems, or Unknown Problems
3:00-3:30 BREAK
3:30-4:30 Cases or Questions from Attendees
4:30 ADJOURN

Diagnosis of Dizziness & Balance Disorders

By

Timothy C. Hain, M.D.

&

Lowery A. Mayo, Au.D.

November 2-3, 2006

**River Terrace Inn
Napa Valley, CA**



Presented by:
Micromedical Technologies, Inc.
&
Acusti-Medical Instruments



REGISTRATION FORM

- Early Registration: \$295.00 on or before 10/01/06
 Registration: \$330.00 after 10/01/06

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Please Mail this form to:
Micromedical Technologies
10 Kemp Drive
Chatham, IL 62629

OR call us directly: 800-334-4154
OR FAX to 217-483-4533
COURSE CODE: NAPA VALLEY

REGISTRATION FEES

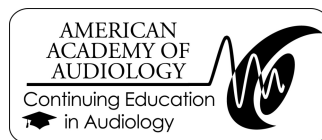
Registration fees for the two day course are \$295.00 before October 1, 2006 and \$330.00 thereafter. Registration includes course tuition, program materials, refreshment breaks, and lunch for both days. Each participant will receive a letter confirming their registration. Seating capacity is limited. We encourage early registration.

REFUND POLICY

Refunds are possible if written notification is received by October 1, 2006 at Micromedical Technologies. All refunds are subject to a \$50.00 service charge. No refunds will be given after this date. Micromedical Technologies reserves the right to cancel or postpone the course due to unforeseen circumstances. In the event of cancellation or postponement by Micromedical, registration fees will be refunded but Micromedical will not be responsible for any related costs or charges.

CONTINUING EDUCATION

This course has been approved for 1.5 CEU Credits through the American Academy of Audiology. AAA approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures.



WORKING LUNCH

A Lunch Buffet will be served on the Terrace, weather permitting. This will also be a working lunch with provided cases to be discussed.

COURSE DATES & LOCATION

Thursday & Friday November 2 & 3, 2006
River Terrace Inn
Napa, CA
(Conference Room)

HOTEL ACCOMMODATIONS

A limited number of rooms have been set aside for Weds (11/1) and Thurs (11/2) nights at:

River Terrace Inn

1600 Soscol Avenue

Napa, CA 94559

Ph: 866-NAPA-FUN

Web:

<http://www.riverterraceinn.com/>

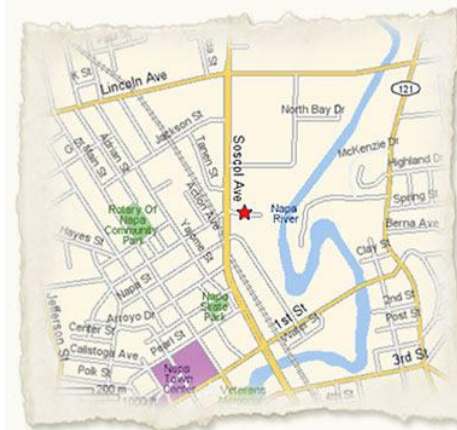
Reservations Deadline: 10/01/06

Room Rates: King Room:

\$139.00/night

Junior Suite: \$169.00/night

Please contact River Terrace Inn directly for reservations. Be sure to mention 'VNG' for the special rate when making your reservation, rooms are only being held till 10/01/06 at this special rate. This is a new hotel, Complimentary Full Breakfast Buffet included for all hotel guests.



DIRECTIONS & TRANSPORTATION

AIRPORTS:

Oakland Int'l (51mi, 1hr), Sacramento Int'l (65mi, 1hr10min), San Francisco Int'l (59mi, 1hr7min), San Jose Int'l (81mi, 1hr 26min)

DRIVING DIRECTIONS:

From Oakland Airport to Highway 29: Take I-80E towards Sacramento. In Vallejo, take the Napa 37/Columbus Pkwy Exit West to Napa. Take the Hwy 29 Exit North to Napa.

From Sacramento Airport to Highway 29: On Airport Blvd (S) take ramp left onto I-5S. Take ramp onto I-80W to San Francisco. Take Ramp (RIGHT) onto SR-12 [Jameson Canyon Rd] to CA-12/Napa/Sonoma. At the intersection of Hwy 29, turn right at stoplight, heading north.

From San Francisco Airport to Highway 29: Take 280 or 101 N to San Francisco. Get on I-80 (E) and cross the Bay Bridge. Continue towards Sacramento. In Vallejo, take the Napa 37/Columbus Pkwy Exit West to Napa. Take the Hwy 29 Exit North to Napa.

From San Jose Airport to Highway 29: Take 880 N towards Oakland. In Oakland, take I-80E towards Sacramento. In Vallejo, take the Napa 37/Columbus Pkwy Exit West to Napa. Take the Hwy 29 Exit North to Napa.

From San Francisco (via Golden Gate) to Highway 29: Take 101 North towards Santa Rosa. Take Hwy 37 East to Vallejo/Napa. In Vallejo, take the Hwy 29 North Exit to Napa.

From Highway 29 to River Terrace Inn: Follow Hwy 29 to the 1st St. Exit. Turn right off the exit ramp and immediately right on California St. Turn immediately left on 2nd St. Follow 2nd St. to its end at Main St., turn left on Main. Follow Main for 1 block to 1st St., turn right on 1st St. Follow 1st St. across the bridge to Soscol Ave. Turn left on Soscol, turn right at first stoplight. River Terrace Inn is straight ahead.

AIRPORT TRANSPORTATION:

Shuttle Service: Evans Transportation offers shuttles from Oakland & San Francisco Airports call 1-707-255-1559.

<http://evanstransportation.com/>

Taxis, Car Rentals & other Ground Transportation:

Visit each airport website at:

Oakland Airport:

http://www.oaklandairport.com/ground_transportation.shtml

Sacramento Airport:

<http://www.sacairports.org/int/parking/index.html>

San Jose Airport:

http://www.sjc.org/travelers/ground_trans.html

San Francisco Airport:

http://www.flysfo.com/transport/services/gt_tsv_search.asp