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Neuroaudiology Newsletter

January 2018

HAPPY NEW YEAR!

Exciting things are coming this year from the Neuroaudiology Lab at The University of Arizona. Highlighted in this newsletter are important conferences and upcoming audiology-related meetings for Spring 2018.

AUDIOLOGY TRIVIA!

Test your knowledge (Answers on last page):

1) This famous Canadian neuropsychologist was the first or at least among the first to use dichotic speech procedures with patients with temporal lobe lesions.

Was it: a) Wilder Penfield, b) Sharon Abel, c) Doreen Kimura, d) Lemens Smith?

2) Ray Carhart is commonly associated with the NU#6 speech recognition list but who worked with Carhart and co-authored the Nu#6?

Was it: a) Bill Rintelmann, b) Ira Hirsh, c) Tom Tillman, d) Tom Giolas.

DID YOU KNOW???

Early investigators of the middle latency response (MLR) classified a number of waves in this complex. Included was the Po, Na, Pa, Nb, Pb, Nc, and Pc. Later research focused primarily on the Na and Pa waves with Po, Nb, and Pb receiving some attention. Nc and Pc have essentially been dropped from MLR discussions.

UPCOMING CONFERENCES

Conference	Date and Location
Association for Research in Otolaryngology	February 10-14, 2018: San Diego, California
2nd Biennial Conference of (Central) Auditory Processing Disorders	February 28-29, 2018: Tehran, Iran
American Auditory Society	March 1-3, 2018: Scottsdale, Arizona
American Academy of Audiology (AAA); AudiologyNOW!	April 18-21, 2018: Nashville, Tennessee
Pathways Educational Meeting	April 19, 2018: Nashville, Tennessee
University of Cincinnati	April 23, 2018: Cincinnati, Ohio

DID YOU KNOW???

The human cochlear nucleus, including the dorsal and ventral cochlear nucleus is almost 10 mm anterior to posterior, about 2 mm rostral to caudal (thickness), and about 3 1/2 mm lateral to medial. These dimensions present a challenge to the the development of the contact electrode used in brain stem implants.

A number of studies have shown that approximately 5% of individuals with acoustic neuromas (vestibular schwannomas) reveal essentially normal pure tone audiograms. These studies, for the most part, do not include individuals that have symmetrical hearing loss– likely indicating no effect of the acoustic neuroma on their pure tone thresholds.

MARK YOUR CALENDARS!

A Featured Session at the American Academy of Audiology (AAA) entitled: Hidden Hearing Loss/Beyond the Audiogram, is scheduled for April 19, 2018 from 3:00-6:00pm. Presenters will be Jenn Shinn, Doris Bamiou, Gail Chermak, and Frank Musiek. This presentation will focus on the recent topic of interest, Hidden Hearing Loss (HHL), but argues for a different interpretation of this term. Perhaps the most significant HHL is that of Central Auditory Processing Disorders, driven by neurologic disorders affecting the central auditory nervous system. These disorders can be easily discovered by carefully conducting central auditory tests which are needed in addition to the often, over interpreted pure tone audiogram.

PATHWAYS MEETING AND EDUCATIONAL SEMINAR

In addition to the amazing presentations happening at AAA, there will also be a Pathways Meeting featuring three engaging speakers on April 19, 2018 at 12:45pm (room TBA).

1) Julianne Ceruti, AuD, PhD presenting on, Decrement in Noise Test (DeNT): A Clinical Measure of Partially Filled Gap Detection Performance

2) Deb Moncrieff, PhD presenting on, Diagnosis and Treament of Amblyaudia, a type of Auditory Processing Disorders

3) Brian O'Hara, MD presenting on new findings from his APDQ questionnare.

Past Neuroaudiology Newsletters

All past newsletters can be found at:
http://musiek.faculty.arizona.edu/

Recent Article of Interest

Abnormalities in Cortical Auditory Responses in Children with Central Auditory Processing Disorder; March, 2017, *Neuroscience*

A. Koravand, B. Jutras, & M. Lassonde

TRIVIA ANSWERS!

1) The person who was the first to use dichotic speech procedures was (C) Doreen Kimura

2) The person who co-authored the NU#6 was (C) Tom Tillman