

# UAB SPEECH AND HEARING SYMPOSIUM ON MEDICAL SPEECH-LANGUAGE PATHOLOGY

**SATURDAY, SEPT. 14, 2019**

## UNIVERSITY OF ALABAMA AT BIRMINGHAM HOSPITAL

West Pavilion Conference Center Conference Room E

Second Floor of the West Pavilion Building

1808 7th Ave South, Birmingham, AL 35233

## TOPICS

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- Brain Tumors and Expected Outcomes
- Lessons from Primary Progressive Aphasia
- Neuromuscular Disorders
- Anterior-Posterior View: Why is it Important?
- Maxillofacial Prosthetics
- Impact of Speech and Swallowing in Oral Cancers and Surgery
- Surface Electromyography for Speech Pathology
- Vocational Rehabilitation Services

## UPDATE ON PRIMARY BRAIN CANCERS

**Speaker:** Burt Nabors, MD, received his MD degree from the University of Tennessee in Memphis in 1991 and interned at the National Naval Medical Center. He completed a residency in neurology at UAB in 1998 and a fellowship in neuro-oncology in 1999 under the direction of Dr. Steven S. Rosenfeld. He joined the neuro-oncology program in 1999 as an assistant professor of neurology and assumed the position of program leader in 2005. He is board-certified in neurology and holds medical licensure in Alabama. Currently Dr. Nabors is professor and vice-chair of neurology for research. He serves as the medical director of the clinical research unit of the center for clinical and translational science and co-leader of the O'Neal Comprehensive Cancer Center neuro-oncology program. He maintains active basic, translational, and clinical research efforts. His laboratory is examining the role of RNA-binding proteins in neurological disease particularly cancer with an emphasis on therapeutic development.

**Disclosures:** I have served on Scientific Advisory Boards for BTG Pharmaceuticals, Karyopharm, KYIATEC, and Abbvie in the past 2 years. I serve on the data safety and monitoring board for clinical trials by Ziopharm and UPENN. None of these products will be discussed in this talk. Non financial: None

**Learners' objectives:** The learner will develop an understanding of primary brain cancer types and presentations and understand the treatment modalities available to treat primary brain cancers. The learner will also develop a knowledge of current research and how this impacts current patient care for primary brain cancer patients.

## CHANGING PERSPECTIVES ON APHASIA: LESSONS FROM PRIMARY PROGRESSIVE APHASIA

**Speaker:** David S. Geldmacher, MD, FACP: Dr. Geldmacher holds the Warren Family Endowed Chair in Neurology. He is director of the Division of Memory Disorders and Behavioral Neurology at the University of Alabama at Birmingham and serves as medical director for neurology at the University of Alabama (UAB) Hospital. His research has centered on testing new dementia treatments and understanding the meaningfulness of treatment outcomes for affected people and their families. His other research interests include complex visual processing in aging and neurological conditions. Dr. Geldmacher is the author of Contemporary Diagnosis and Management of Alzheimer's Dementia, and he has published over 100 research articles, chapters, abstracts and reviews.

He is a fellow of both the American College of Physicians and the American Neurological Association. He has been elected as a member of the Alpha Omega Alpha medical honor society and has been listed in Best Doctors in America since 1998.

Dr. Geldmacher graduated magna cum laude from the University of Rochester (New York) with his B.A. in biology and psychology. He obtained his MD (with Certificate in Academic Research) from the State University of New York - Health Science Center at Syracuse. He trained in neurology at Case Western Reserve University and completed a postdoctoral fellowship in Behavioral Neurology at the University of Florida.

**Disclosures:** Financial:

Research support (paid to UAB):

- Abbvie, Biogen, Eisai, Genentech, Janssen, Lilly, McKnight Brain Research Foundation, Neurim, NIH/NIA, and U.S. Department of Defense

Consultant (paid directly):

- Genentech, Grifols, NFL Concussion Settlement Agreement

Non-Financial: None

### Learners' Objectives:

1. Learner will identify limitations of historic "lesion-model" aphasia classifications in understanding normal language function.
2. Learner will identify similarities and differences between primary progressive aphasia and vascular aphasia syndromes.
3. Learner will describe findings from neural-network studies of language that enrich our understanding of the links between thoughts and actions.

## NEUROMUSCULAR DISORDERS

**Speaker:** Victor Sung, MD: Dr. Sung is originally from Houston and completed his undergraduate degree in neuroscience from Vanderbilt University. He completed medical school at UT-Southwestern Medical Center at Dallas and completed neurology residency and movement disorders fellowship at UAB. He joined the faculty in the UAB Department of Neurology's Division of Movement Disorders and has the rank of associate professor with tenure. He is director of the UAB Huntington's Disease Clinic, co-director of the UAB School of Medicine Neuroscience Module, and director of the Birmingham VAMC Deep Brain Stimulation Program. He serves on the Board of Trustees of the Huntington's Disease Society of America.

**Disclosures:** Financial: I have served as a consultant for Roche Pharmaceuticals, Lundbeck Inc., and Teva Pharmaceuticals, and none of their products will be discussed in this talk. Non-financial: None

### Learners' objectives:

1. Learner will identify neuromuscular disorders and become familiar with the framework for thinking about them.
2. Learner will identify neuropathies, particularly Guillain-Barre Syndrome, and their impact on speech and swallowing.
3. Learner will identify the impact of ALS on speech and swallowing.
4. Learner will identify the impact of myasthenia gravis on speech and swallowing.

## ANTERIOR-POSTERIOR VIEWS; WHY IS IT IMPORTANT?

Duane Trahan, CCC-SLP: Trahan is the clinical specialist for speech pathology with UAB Medicine, working in acute care and outpatient settings, and he has more than 10 years of experience. He obtained his bachelor's and master's degrees from the University of Louisiana at Monroe. Trahan has worked in a variety of settings with adult and geriatric populations, providing assessment and treatment for swallowing and communication disorders including patients with head and neck cancer, specifically laryngectomy patients. He has presented numerous courses related to swallowing, head and neck cancer rehabilitation, and laryngectomy care.

**Disclosures:** Financial: Employee of UAB Medicine; Non-Financial: None

### Learners' objectives:

1. The learner will identify 3 reasons why the A-P view is relevant.
2. The learner will identify strategies to obtain views on complicated patients.

## MAXILLOFACIAL PROSTHETICS

**Speaker:** Michael T. Kase, DMD. Dr. Kase was raised in Park Ridge, IL, and graduated from Marquette University. He completed his Doctorate of Medicine in dentistry at the Maurice H. Kornberg School of Dentistry at Temple University. Afterward, he proceeded to obtain certificates in prosthodontics at the Birmingham VA Prosthodontics Clinic as well as at the University of Alabama at Birmingham School of Dentistry. He also received his certificate in maxillofacial prosthodontics and dental oncology at the Memorial Sloan-Kettering Cancer Center in New York. Currently, Dr. Kase serves as a maxillofacial prosthodontist at UAB, he is an assistant professor at UAB's Health Science Foundation and at the School of Dentistry. He holds appointments at The Kirklin Clinic of UAB Hospital, the UAB Dental School, UAB Callahan Eye Hospital, the O'Neal Comprehensive Cancer Center at UAB, and the UAB Graduate School.

Dr. Kase specializes in maxillofacial prosthodontics and dental oncology and is particularly interested in research involving incorporation of digital technology into his field. This includes digital impression-making as well as 3D printing of materials conducive to facial prosthetics.

**Disclosures:** Financial: Employee of UAB; Non-financial: None

**Learners' objectives:** The learner will identify implications of prosthetics in the treatment of speech and swallowing disorders.

**Speaker:** Anthony Morlandt, MD, DDS: Dr. Morlandt was born and raised in Floresville, Texas, and graduated from Baylor University. He completed his DDS magna cum laude at the University of Texas Health Sciences Center in San Antonio, Texas, and received his MD and internship and residency in oral and maxillofacial surgery from the University of Alabama School of Medicine. Dr. Morlandt then went on to complete a fellowship in head and neck oncology and microsurgery at the University of Florida College of Medicine in Jacksonville, Fla. He returned to Birmingham, where he currently serves as chief of the Section of Oral Oncology within the Department of Oral and Maxillofacial Surgery at UAB Medicine and is a full-time academic head and neck surgeon. He is director of the Head and Neck Oncology Fellowship program at UAB. Dr. Morlandt is an associate scientist in the Cancer Chemoprevention Program with the O'Neal Comprehensive Cancer Center at UAB. In 2015, Dr. Morlandt received the AAOMS Faculty Educator Development Award, he has been inducted into the American Head and Neck Society, and he is a Fellow of the American College of Surgeons. He is a diplomate of the American Board of Oral and Maxillofacial Surgery. Dr. Morlandt specializes in oral oncology, head and neck microvascular surgery, and oral and maxillofacial surgery. He has authored several peer-reviewed scientific articles and textbook chapters on head and neck ablative and reconstructive surgery. He is particularly interested in helping doctors and their staff identify head and neck cancers and in optimizing patient outcomes following major head and neck surgery.

**Disclosures:** Financial: UAB employee; Non-financial: None

**Learners' objectives:** Learner will identify one principle deficit in speech outcomes related to oral surgery.

## SURFACE ELECTROMYOGRAPHY FOR SPEECH PATHOLOGY

**Speaker:** Charlotte Rogers, SLP: Originally from Mobile, Ala., Rogers received her Master of Science degree in speech-language pathology from Samford University in Birmingham in May 2018. She completed two internships at UAB, one at Spain Rehabilitation Center and the other in the Neonatal Intensive Care Unit, and she went on to complete her clinical fellowship year with UAB in April 2019. She now works in inpatient rehab and PRN in acute care at UAB.

**Disclosures:** Financial: None; Non-financial: None

### Learners' objectives:

1. Learner will gain a more in-depth awareness of McNeil Dysphagia Therapy Program and the research correlating MDTP with positive swallowing outcomes.
2. Learner will identify the purpose of sEMG as a biofeedback tool for dysphagia therapy.
3. Learner will be provided hands on experience with a sEMG unit to gain a better understanding of how to operate and use the device.

## VOCATIONAL REHABILITATION SERVICES

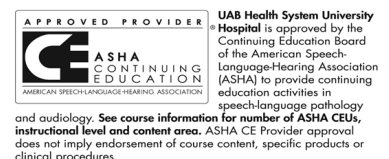
**Speaker:** Samantha Wadsworth, MA, CRC: Wadsworth is a certified rehabilitation counselor (CRC) working with the Alabama Department of Rehabilitation Services' Vocational Rehabilitation Division. She has worked at the ADRS Lakeshore office since 2006. She currently serves as the program evaluation and development specialist, which involves creating job readiness programs, evaluating current ADRS Lakeshore programs, and promoting disability awareness through presentations and community involvement throughout the state.

Wadsworth has over 20 years of experience working with individuals with disabilities. She is knowledgeable and experienced with many disability groups and has extensive experience working with individuals who have autism spectrum disorders and intellectual disabilities. Wadsworth has developed and runs several job readiness and social skills training programs across the state of Alabama for adolescents and adults with disabilities. One of the social skills programs, Connections, has received national recognition.

Wadsworth collaborates with corporations/businesses to provide vocational evaluations and consultations to identify and deploy job accommodations, strategies, and modifications to increase productivity and efficiency of employees with disabilities. She also has assisted large corporations with implementing training programs and work place modifications to recruit potential hires with disabilities. Wadsworth received a Bachelor of Arts in psychology and a Master of Arts in rehabilitation counseling from The University of Alabama. She also completed a doctorate-level certification program in rehabilitation leadership and management through Auburn University.

**Disclosures:** Financial: Employee of ADRS; Non-financial: None

**Learners' objectives:** The learner will identify services provided to consumers through the ADRS, specifically within the Vocational Rehabilitation Services Division, including referral process and eligibility requirements.



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**Cost:** \$175 (8 hours)

Register online for credit card payments at [uabrehabservices.org](http://uabrehabservices.org).

Make checks payable to UAB-SRC  
UAB Speech and Hearing Clinic  
Spain Rehabilitation Center R104  
1717 6th Avenue South, Birmingham, AL 35249-7219

Course is offered for 0.8 ASHA CEUs (Intermediate level,  
Professional area), no partial credit will be given

**To register, visit:**

[https://secure.touchnet.com/C21564\\_ustores/web/store\\_main.](https://secure.touchnet.com/C21564_ustores/web/store_main.jsp?STOREID=13&SINGLESTORE=true)

[jsp?STOREID=13&SINGLESTORE=true](https://secure.touchnet.com/C21564_ustores/web/store_main.jsp?STOREID=13&SINGLESTORE=true)

### AGENDA

7:30-8:00 am	Registration
8:00-9:00 am	Brain Tumors and Expected Outcomes
9:00-10:00 am	Changing Perspectives on Aphasia: Lessons from Primary Progressive Aphasia
10:00-10:15 am	Break
10:15-11:15 am	Neuromuscular Disorders
11:15 am-12:15 pm	Anterior-Posterior Views: Why is it Important?
12:15 -1:00 pm	Lunch on your own
1:00-2:00 pm	Maxillofacial Prosthetics
2:00-3:00 pm	Impact of Speech and Swallowing in Oral Cancers and Surgery
3:00-3:15 pm	Break
3:15-4:15 pm	Surface Electromyography for Speech Pathology
4:15-5:15 pm	Vocational Rehabilitation Services

### Location:

University of Alabama Hospital West Pavilion Conference Center  
615 18th Street South, Conference Room E  
The West Pavilion Conference Center is located on the second floor of the West Pavilion.

### Parking:

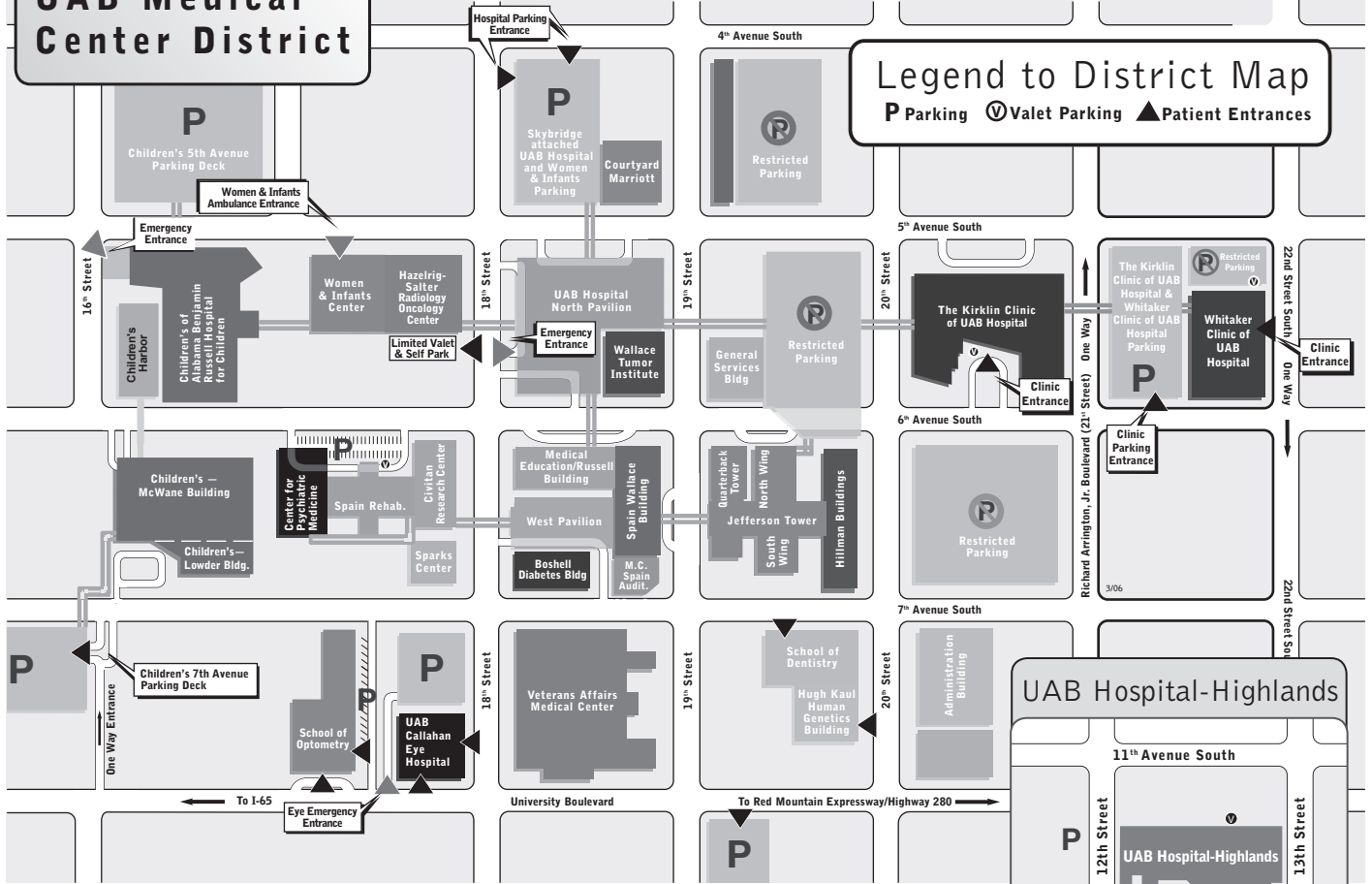
On the weekend you should be able to find parking on the street. However, there is a parking deck on the corner of 18th Street and 4th Avenue South. The cost is \$6.

# UAB Medical Center District

# UAB Medicine Buildings and Concourse Walkways

## Legend to District Map

P Parking   V Valet Parking   ▲ Patient Entrances

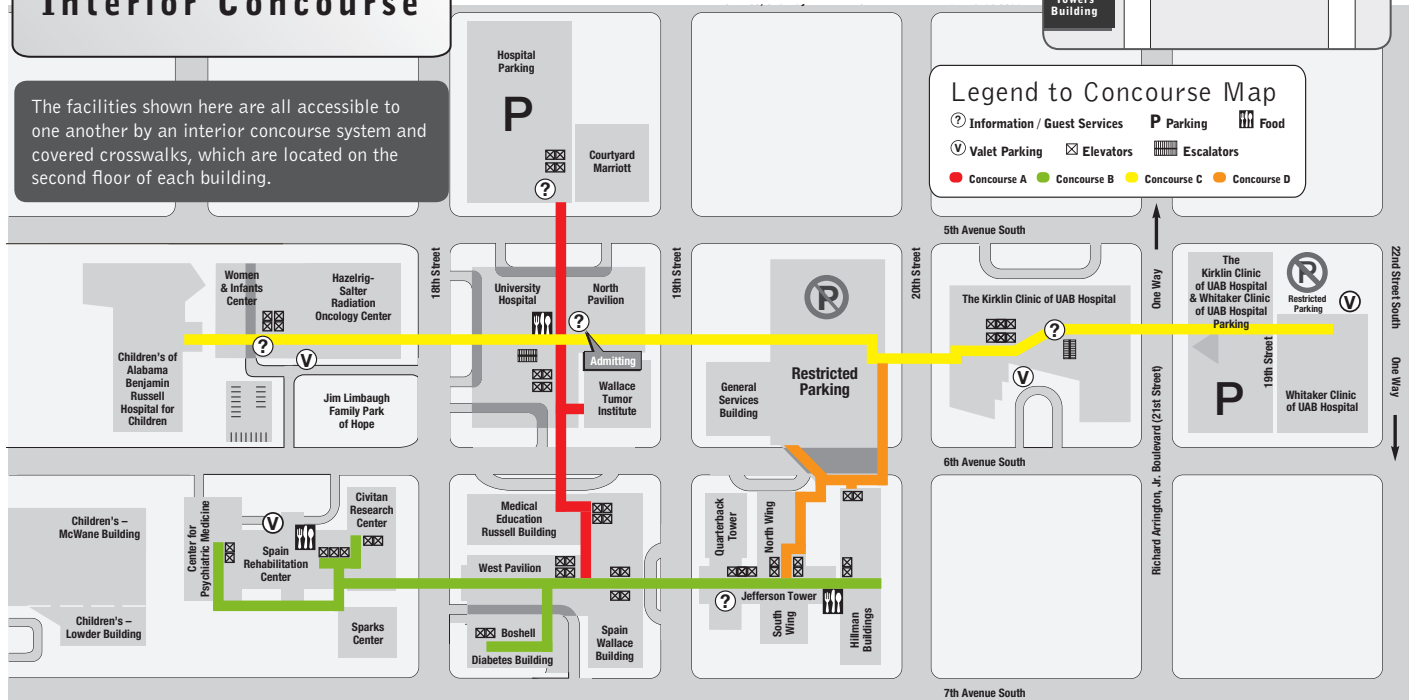


# Interior Concourse

The facilities shown here are all accessible to one another by an interior concourse system and covered crosswalks, which are located on the second floor of each building.

## Legend to Concourse Map

- Information / Guest Services
- Parking
- Food
- Valet Parking
- Elevators
- Escalators
- Concourse A
- Concourse B
- Concourse C
- Concourse D



Download the free UAB Medicine Wayfinder app today. It is available from the Apple App Store for iPhone/iPads and from the Google Play store for Android devices.