

## Curriculum Vitae

### Carlos Julian Martinez-Menendez, MD

Assistant Professor  
Department of Neurology  
Institute of Neurosciences  
University of Texas Rio Grande Valley  
School of Medicine

#### Specialty

- General Neurology
- Behavioral Neurology & Neuropsychiatry

#### Clinical Interests

- Behavioral Neurology
- Cognitive Impairment
- Neuropsychiatry
- Neurodegenerative Disease, including the following
  - Alzheimer's Disease,
    - Associations between Diabetes/Insulin resistance and Alzheimer's
  - Parkinson Disease, particularly with respect to neuropsychiatric manifestations
  - Atypical parkinsonisms, such as Progressive Supranuclear Palsy
  - Frontotemporal Dementia,
  - Lewy Body Dementia
- Normal Pressure Hydrocephalus
- Traumatic Brain Injury
- Language/communication disorders, particularly Primary Progressive Aphasia
- Neuroimaging: MRI, FDG PET, Amyloid PET, DAT SPECT

#### Professional Interests

Neurologic and neuro-behavioral clinical consultation

Medical education

Clinical trials

Hispanic/Latino community engagement

Improving access and quality of care for people of underprivileged backgrounds

## Education

Southwestern University, *B.S. in Biology & Anthropology, 2010-14*

University of Texas Medical Branch at Galveston, *MD, 2014-18*

Neurology Residency, University of Texas Health Science Center at Houston,  
Department of Neurosciences, *2018-22*

Behavioral Neurology & Neuropsychiatry Fellowship, UTHealth Neurosciences  
Neurocognitive Disorders Center, Houston, TX

## Clinical Trial Engagement

- My roles:
  - Perform physical exams (general and neurologic) on patients during visits for study treatment for serial monitoring of adverse effects
  - Review follow-up MRI and amyloid PET with patient enrolled in studies
  - Document clinical changes or remarkable imaging findings on study patients when necessary
  - Perform Lumbar punctures for patients on the Choline study (see below)
- Anti-amyloid studies
  - IV Antibody
    - Donanemab
      1. A Study of Donanemab Versus Placebo in Participants at Risk for Cognitive and Functional Decline of Alzheimer's Disease
      2. Assessment of Safety, Tolerability, and Efficacy of Donanemab in Early Symptomatic Alzheimer's Disease
      3. Investigating the Effect of Different Donanemab Dosing Regimens on ARIA-E and Amyloid Lowering in Adults With Early Symptomatic Alzheimer's Disease
    - Remternetug
      1. Assessment of Safety, Tolerability, and Efficacy Measured by Amyloid Reduction of LY3372993 in Early Symptomatic Alzheimer's Disease
  - Oral agents
    - Semaglutide (Ozempic)

1. A Randomised Double-blind Placebo-controlled Clinical Trial Investigating the Effect and Safety of Oral Semaglutide in Subjects With Early **Alzheimer's Disease (EVOKE & EVOKE Plus trials)**
  - ALZ-801
    1. A Phase 3, Multicenter, Randomized, Double-blind, Placebo-controlled Study of the Efficacy, Safety and Biomarker Effects of **ALZ-801** in Subjects With Early **Alzheimer's Disease** and APOE4/4 Genotype
- Anti-tau studies
  - IV Antibody
    - Bepranemab
      1. A Study to Test the Efficacy, Safety, and Tolerability of Bepranemab (UCB0107) in Patients With Mild Cognitive Impairment or Mild Alzheimer's Disease (AD)
  - Oral agents
    - LY3372689
      1. Assessment of Safety, Tolerability, and Efficacy of LY3372689 in Early Symptomatic Alzheimer's Disease
- Choline studies
  1. Testing Whether Choline Normalizes Lipid Metabolism in APOE4 Carriers

## Past QI Projects

- **LEQEMBI (lecanemab) registry**, NOVEMBER 2023 - June 2024
  - Helping create registry of patients whom we have identified as potential candidates for LEQEMBI
  - Classify patients according to different parameters such as MRN, Insurance, MMSE score, ApoE genotype
  - Allows us to analyze which patients are pending AMYLOID PET scans, MRI
- **Albert Schweitzer Fellowship Project, 2017-8**
  - Creating a Patient-Centered Medical Home (PCMH) model between Luke Society and St. Vincent's to facilitate coordination of care for indigent and homeless patients
  - This involves
    - increasing referral for chronic conditions care
    - increase usage of social services and behavioral counseling by patients already being referred for chronic care.
- **Smoking Cessation Counseling Program, Luke Society, 2017**

- Peak Flow Testing, COPD Identification
- Continue smoking cessation counseling in line in conjunction with inhaler education
- Gift Cards for smoking cessation
  - Subway, Goodwill, McDonald's (\$5)
  - Provider refers patients who are receiving albuterol/poor oral health to smoking cessation counselor. To begin, a conversation with this student about smoking cessation strategies is enough to get them a gift card
- **SCOPE/St. Vincent's QI project, 2017**
  - Problem trying to solve: Loss of lab results from UTMB, whenever we have to send labs to UTMB
  - Objectives of project:
    - Record number of labs drawn at clinic, and record returns of lab results returned to clinic, and dates in which results were returned
    - Record lab returns as completed, pending, etc.
    - Call UTMB whenever labs are not returned
    - Assess monthly improvement of percentage return of lab results
  - Final desired outcomes: Improve lab return rate for labs drawn at St. Vincent's and sent to UTMB for analysis
  - Resulted in poster presentations at National Student Research Forum and Society of Student-Run Free Clinics Annual Conference

## Publications

van de Ven AL, Abdollahi B, Martinez CJ, et al. Modeling of nanotherapeutics delivery based on tumor perfusion. *New Journal of Physics* 2013; 15(5):055004-.

Publication in peer-reviewed academic journal.

DOI 10.1088/1367-2630/15/5/055004

## Presentations/Abstracts

Abstract for American Academy of Neurology Fall Conference 2021. "A woman with cognitive impairment, weakness, and ataxia."

## Publications in Review

1. Martinez-Menendez CJ, Ortiz GJ, Schulz PE. *Neurobiology of Infectious Diseases*, Ch. 1., Anatomical Organization of CNS.  
Publication Date: 01-Nov-24 ISBN: 9780443191305

2. Maziero MP, Martinez-Menendez CJ, Grandgirard D. Neurobiology of Infectious Diseases, Chapter- CNS Listeriosis  
Publication Date: 01-Nov-24  
ISBN: 9780443191305
3. Martinez-Menendez CJ, Schulz PE. Kass-Neurology Secrets, 7e. Behavioral Neurology.

## Lectures

- Grand Rounds Lecture for UTHHealth Department of Geriatrics. "Dementia or Primary Psychiatric Disorder? Early Diagnosis and Treatment of Neurocognitive Disorders in the Psychiatric Setting." Scheduled for January 12, 2024.
- Neuropsychiatry Monthly Case Conferences for UTHHealth (McGovern Medical School) Psychiatry Residency Program, every month since July 2022
  - Topics discussed include
    - Intro to Neurobehavioral Diagnosis
    - Depression and apathy in Parkinson's Disease
    - Antipsychotic use in Parkinson's Disease and Lewy Body Dementia
    - Neurologic manifestations of B12 deficiency
    - Neuropsychiatric manifestations of NPH
    - Neuropsychiatric sequelae 2/2 TBI
    - Obsessive-compulsive disorder in the setting of neurologic disease
- Neuropsychology Didactic Lecture Series for UTHHealth Neuropsychology Department
  - Intro to Neuroimaging
  - Intro to Neurologic Evaluation

## TV Interviews

- Martinez-Menendez, C. (2023). "¿Existe tratamiento para la enfermedad de Alzheimer? Conoce cuáles son los síntomas tempranos." *Univision 45 Houston: Noticias 45 Primera Hora*. 21 June. Available at: <https://www.univision.com/local/houston-kxln/existe-tratamiento-para-la-enfermedad-de-alzheimer-conoce-cuales-son-los-sintomas-tempranos-video>
- Martinez-Menendez, C. (2023). "Los primeros síntomas de Alzheimer." *Univision 45 Houston: Noticias 45 A Las Cinco*. 12 November. Available at: [https://archive.tveyes.com/8383/16717/096cb852-62bc-41dc-b900-db0fe273d563/KXLN\\_11-12-2023\\_17.13.47.mp4](https://archive.tveyes.com/8383/16717/096cb852-62bc-41dc-b900-db0fe273d563/KXLN_11-12-2023_17.13.47.mp4)

## **Awards/Honor Societies**

UTHealth Adult Neurology, Fellow of the Month, December 2023

Gold Humanism Honor Society, Inducted 2017

The Albert Schweitzer Fellowship, Inducted 2017

Volunteer of the Year, St. Vincent's Student Clinic, 2016

Eben J. Carey Award for Performance in Anatomy, Phi Chi Medical Fraternity, UTMB School of Medicine, 2015

Phi Beta Kappa, Inducted 2014