

CURRICULUM VITAE

Name: Flavia Barreto Garcez, MD
Birth Information: Sergipe, Brazil
E-mail: flaviabgarcez@gmail.com; flavia.garcez@alumni.usp.br
Phone: +55 (11) 2661-8116, +55 (11) 95159-8480
Work Address: Av. Dr. Eneas de Carvalho Aguiar 155, 8º andar, Setor Azul (Clinica Medica), LIM-66, Cerqueira Cesar

EDUCATION:

2007-2013	University of Sergipe, Brazil	Medical Degree	Medicine
2014-2016	Hospital das Clinicas, University of Campinas, Brazil	Residency	Internal Medicine
2016-2018	Hospital das Clinicas, University of Sao Paulo Medical School, Brazil	Fellowship	Geriatrics
August, 2017	Memory and Aging Center, University of California, San Francisco	Visiting Scholar	
2020-2021	Instituto de Pesquisa Sírio Libanes, Sao Paulo, Brazil	Certification	Palliative Care Medicine
2019-2021	University of Sao Paulo Medical School	PhD	Biological & Health Sciences

LICENSES, CERTIFICATION:

2008	First Certificate of English, Grade A, University of Cambridge
2013	Medical Licensure, Sergipe, Brazil
2014	Medical Licensure, Sao Paulo, Brazil
2014	Advanced Cardiac Life Support Certification
2018	Advanced Cardiac Life Support Certification

PRINCIPAL POSITIONS HELD:

2016-present	Hospital das Clinicas, University of Sao Paulo Medical School	Clinical Researcher	Division of Geriatrics
2021-present	Federal University of Sergipe	Assistant Professor	Department of Medicine
2019-2021	Hospital Sirio Libanês, Sao Paulo	Attending physician	Geriatrics Team
2016-2019	Hospital Sao Camilo	Staff Physician	Geriatrics Team
2018-2019	Advanced Dementia Clinic, Hospital das Clinicas, University of Sao Paulo Medical School	Clinical Researcher	Division of Geriatrics

HONORS AND AWARDS

2017	1 st Place: Best Oral Presentation Award, XVIII Annual Scientific Meeting	Geriatrics Division, University of Sao Paulo Medical School
2018	Clinical Research Scholar Award, Principles and Practices of Clinical Research (PPCR)	Harvard T.H.Chan School of Public Health
2019	NIDUS Junior Investigator Pilot Award	Network for Investigation of Delirium: Unifying Scientists(NIDUS)
2019	AAIC Satellite Symposium São Paulo - Travel Fellowship Awardee - Best Presentation	Alzheimer's Association

KEYWORDS/AREAS OF INTEREST:

Geriatric medicine; delirium; dementia; acute geriatric care; hospitalization; behavioral science; music therapy; biostatistics.

PROFESSIONAL ACTIVITIES

CLINICAL

Geriatrics, private practice: I work up to 8 hours/week as a geriatrician, taking care of older adults in an outpatient clinic.

SUMMARY OF CLINICAL ACTIVITIES

Since I finished my Internal Medicine residency, I have further developed my expertise in the care of acutely ill adults, especially those who seek medical attention at emergency departments (ED) and those who are hospitalized for medical reasons. After my Geriatrics fellowship, I have focused on improving my ability to provide medical care for older patients, recognizing their specific needs and the challenges that arise from functional and cognitive decline.

PROFESSIONAL ORGANIZATIONS

Memberships

- 2015-2018 American College of Physicians
- 2014-2016 Brazilian Intensive Care Medicine Association
- 2017-present American Delirium Society
- 2018-present American Geriatrics Society
- 2020-present Brazilian Geriatrics and Gerontology Society

ORAL PRESENTATIONS

International

- 2020 Garcez, FB; Avelino-Silva, TJ. Interaction between delirium, frailty, and post-discharge dementia in acutely ill older adults. American Delirium Society 10th Annual Meeting, 2020, virtual meeting.
- 2019 Castro, REV; Mesa, P; **Garcez, FB**; Bisso, IC; Maldonado, J. Roundtable: Delirium Recognition and Reduction: Practices Across the Americas. American Delirium Society 9th Annual Meeting, 2019, Boston, MA
- 2019 **Garcez, FB**; Baptistella, PP; Morillo, LS. Predictors of accelerated functional decline in community-dwelling patients with advanced dementia. Alzheimer's Association International Conference (AAIC) Satellite Symposium, 2019, Sao Paulo-SP, Brazil.
- 2018 **Garcez FB**. "Studying thiamine to prevent delirium: The STTOP-Delirium clinical trial", American Geriatrics Society Annual Scientific Meeting, 2018, Orlando-FL, EUA. (Oral)
- 2018 **Garcez, FB**; Apolinario, D; Curiati, JA; Campora, F; Avelino-Silva TJ. Association between delirium and post-discharge dementia in acutely ill older adults. In: American Delirium Society 8th Annual Meeting, 2018, San Francisco, CA.

- 2018 **Garcez, FB**; Apolinario, D; Curiati, JA; Campora, F; Avelino-Silva TJ. Association between delirium, arousal and 30-day mortality in acutely ill older adults: results from a large Brazilian cohort. In: American Delirium Society 8th Annual Meeting, 2018, San Francisco, CA.

POSTER PRESENTATIONS

International

- 2021 Moreira, ML.; **Garcez, FB**; Campora, F; Jacob-Filho, W; Avelino-Silva, TJ. Antipsychotics and clinical outcomes in hospitalized older adults with delirium. American Delirium Society 11th Annual Meeting, 2021, virtual meeting.
- 2020 **Garcez FB**; Aliberti MJR; Avelino-Silva TJ. Association between delirium, impaired consciousness, and adverse outcomes in hospitalized patients with COVID-19. EuGMS E-Congress, 2020.
- 2019 **Garcez, FB**; Maniçoba, PEFPM; et al. Validation of the Portuguese version of the 4 As Test (4AT) for delirium screening in hospitalized older adults: preliminary results. American Delirium Society 9th Annual Meeting, 2019, Boston, MA.
- 2019 Maniçoba, PEFPM; **Garcez, FB**; et al. Validation and transcultural adaptation of the 3-minute diagnostic interview for CAM (3D-CAM) for delirium detection in a Brazilian cohort of hospitalized older adults: preliminary results. American Delirium Society 9th Annual Meeting, 2019, Boston, MA.
- 2019 Barao, VR; **Garcez FB**; et al. Validation and transcultural adaptation of the delirium motor subtyping scale 4 (DMSS-4) in a Brazilian cohort of hospitalized older adults: preliminary results. American Delirium Society 9th Annual Meeting, 2019, Boston, MA.
- 2019 Salvador, MLS; **Garcez, FB**; et al. Validation and transcultural adaptation of the Confusion Assessment Method - severity score (CAM-S) in a Brazilian cohort of hospitalized older adults: preliminary results. American Delirium Society 9th Annual Meeting, 2019, Boston, MA.
- 2019 Avelino-Silva, TJ; **Garcez, FB**; Jacob-Filho, W. Using Level of Arousal to Predict 30-Day Mortality in Acutely Ill Older Adults with Dementia: An Alternative to Delirium Assessment?. Alzheimer's Association International Conference (AAIC) Satellite Symposium, 2019, Sao Paulo-SP, Brazil.
- 2018 **Garcez, FB**; Curiati, JA; Campora, F; Jacob-Filho, W; Avelino-Silva TJ. Exploring the prognostic meaning of delirium: a predictor of death or just part of dying?. In: American Geriatrics Society Annual Scientific Meeting, 2018, Orlando, FL.

National

- 2021 Garcez, FB; Jacob-Filho, W; Avelino-Silva, TJ. Efeito da temperatura ambiente na mortalidade de idosos agudamente enfermos hospitalizados. XXII Congresso Brasileiro de Geriatria e Gerontologia, 2021, virtual.
- 2010 “Pharmacological Validation of the Free Exploration Paradigm for Mice”, XXXIV Annual Congress of the Brazilian Society of Neurosciences and Behavior, Minas Gerais, Brazil. (Poster)

Regional

- 2019 Acurácia dos índices prognósticos de Charlson e Carey para predição de mortalidade de idosos da comunidade com demência avançada. 11º Congresso Paulista de Geriatria e Gerontologia (GERP 2019), São Paulo, Brazil
- 2017 Incidence of post-discharge dementia in older adults with delirium during hospitalization. XVIII Annual Scientific Meeting, Geriatrics Division of University of Sao Paulo Medical School, Brazil.
- 2011 Analysis of the cardiorespiratory capacity of futsal athletes and runners by ergospirometry. XXXI North Northeast Congress of Cardiology, Sergipe, Brazil. (Poster)

CONTINUING EDUCATION COURSES ATTENDED:

- 2010 Electrocardiography Course “Dr Clovis Oliveira Andrade”, Foundation of Charity Hospital of Surgery - Cardiothoracic Unit, Sergipe, Brazil
- 2010 Quantitative Data Analysis in Medical Research, Sao Lucas Hospital, Sergipe, Brazil
- 2010 II Summer Course in Pharmacology, Federal University of Sao Paulo, Sao Paulo, Brazil
- 2014 IX National Update in Intensive Care Medicine Course, University of Sao Paulo Medical School, Brazil
- 2014 I Multi Professional Palliative Care Course, Lo Tedhal Hospice, Sao Paulo, Brazil
- 2015 Pain Management, Sedation and Neuromuscular Blockade Update, CCD Ensino, Sao Paulo, Brazil
- 2015 Delirium: A Medical Emergency, Department of Continue Medical Education, Harvard Medical School
- 2015 XVIII Difficult Airway Course, University of Sao Paulo Medical School, Sao Paulo, Brazil
- 2015 Mechanical Ventilation in the ICU Course, Brazilian Intensive Care Medicine Association, Sao Paulo, Brazil
- 2016 I Symposium of Geriatric Neuropsychiatry, Campinas Medical and Surgical Society, Sao Paulo, Brazil
- 2017 CME Statistics for Medical Professionals, Stanford University School of Medicine

- 2017 2017 CEDARTREE/NIDUS 5th Annual Delirium Boot Camp, Boston, USA
- 2018 The Many Faces of Dementia Conference, University of Southern California, Los Angeles, USA
- 2018 3RD Annual Conference at UCLA: The Healing Power of Sound, Los Angeles, USA
- 2018 Principles and Practices of Clinical Research, Harvard T.H. Chan School of Public Health
- 2018 UCLA Research Conference on Aging, Los Angeles-CA, USA
- 2018 American Geriatrics Society Annual Meeting, Orlando-FL, USA
- 2018 American Delirium Society Annual Meeting, San Francisco-CA, EUA
- 2018 Epidemiologic Methods I (EPI 203), University of California San Francisco, USA
- 2019 Biostatistical Methods for Clinical Research II (BIOSTAT 208), University of California San Francisco, USA

UNIVERSITY AND PUBLIC SERVICE

UNIVERSITY SERVICE

University of Sergipe

2008	Anatomy Class	Academic Tutor
2010-2011	Institutional Scientific Initiation Scholarship Program	Academic Researcher
2011-2012	Bone Marrow Donation Project, Dean of Extension	Volunteer Student

University of Sao Paulo Medical School

2016-2017	Geriatric Medicine Class	Academic Tutor
2016-present	BRazilian Intervention Group Against DELirium (BRIGADE)	Co-Investigator

OTHER SERVICES

2013 Centrinho Médico e Odontológico, Servos e Volunteer Physician
 Servas da Santissima Trindade Catholic
 Community

Summary of Service Activities

Ever since medical school I have sought to contribute to ongoing academic activities and provide support for my peers. During medical school at Federal University of Sergipe these included clinical research, undergraduate tutoring and voluntary public health projects aimed to improve medical care quality in my hometown. After moving to Sao Paulo, I kept myself involved with tutoring activities and clinical research at the University of Sao Paulo Medical School.

RESEARCH AND CREATIVE ACTIVITIES

PEER REVIEWED PUBLICATIONS:

Berjeaut EJBK, de Carvalho BM, Aliberti MJR, Avelino-Silva TJ, Campora F, Jacob-Filho W, **Garcez FB**. "Part of a great team": Perceptions of geriatrics fellows on doing research during a pandemic. *J Am Geriatr Soc*. 2021 Aug 3. doi: 10.1111/jgs.17397. Epub ahead of print.

Poco PCE, Aliberti MJR, Dias MB, Takahashi SF, Leonel FC, Altona M, Venys AL, Shin-Ike IA, Garcia BA, Sumita LH, Lima LMO, **Garcez FB**, Avelino-Silva TJ. Divergent: Age, Frailty, and Atypical Presentations of COVID-19 in Hospitalized Patients. *J Gerontol A Biol Sci Med Sci*. 2021 Feb 25;76(3):e46-e51. doi: 10.1093/gerona/glaa280.

Alencar JCG, **Garcez FB**, Marchini JFM, Avelino-Silva TJ, Brandão Neto RA, Ribeiro SCC, Souza HP (2021). EMERGENCY DEPARTMENT ADMISSION AND OUTCOMES IN GERIATRIC PATIENTS: A SINGLE-CENTER PROSPECTIVE COHORT STUDY. *JBMEDE - Jornal Brasileiro De Medicina De Emergência*, 1(001). Retrieved from: <https://www.jbmede.com.br/index.php/jbme/article/view/2>

Aliberti MJR, Szejf C, Avelino-Silva VI, Suemoto CK, Apolinario D, Dias MB, **Garcez FB**, Trindade CB, Amaral JRDG, de Melo LR, de Aguiar RC, Coelho PHL, Hojaij NHSL, Saraiva MD, da Silva NOT, Jacob-Filho W, Avelino-Silva TJ; COVID HCFMUSP Study Group. COVID-19 is not over and age is not enough: Using frailty for prognostication in hospitalized patients. *J Am Geriatr Soc*. 2021 May;69(5):1116-1127. doi: 10.1111/jgs.17146. Epub 2021 Apr 5.

Oldham MA, Slooter AJC, Cunningham C, Rahman S, Davis D, Vardy ERLC, **Garcez FB**, Neufeld KJ, de Castro REV, Ely EW, MacLulich A. Characterising neuropsychiatric disorders in patients with COVID-19. *Lancet Psychiatry*. 2020 Nov;7(11):932-933. doi: 10.1016/S2215-0366(20)30346-1.

Aliberti MJR, Covinsky KE, **Garcez FB**, Smith AK, Curiati PK, Lee SJ, Dias MB, Melo VJD, Rego-Júnior OF, Paula Richinho V, Filho WJ, Avelino-Silva TJ. A fuller picture of COVID-19 prognosis: the added value of vulnerability measures to predict mortality in hospitalised older adults. *Age Ageing*. 2020 Oct 17:afaa240. doi: 10.1093/ageing/afaa240. Epub ahead of print.

Barreto-Filho JA, Seabra-Garcez JD, **Garcez FB**, Moreira TS, Drager LF. Non-dyspnoegenic Acute Hypoxemic Respiratory Failure in COVID-19 Pneumonia. *J Appl Physiol* (1985). 2020 Oct 8. doi: 10.1152/jappphysiol.00522.2020.

Garcez FB, Aliberti MJR, Poco PCE, Hiratsuka M, Takahashi SF, Coelho VA, Salotto DB, Moreira MLV, Jacob-Filho W, Avelino-Silva TJ. Delirium and Adverse Outcomes in Hospitalized Patients with COVID-19. *J Am Geriatr Soc*. 2020 Aug 24;10.1111/jgs.16803. doi: 10.1111/jgs.16803. Epub ahead of print.

Castro REV, **Garcez FB**, Avelino-Silva TJ. Patient care during the COVID-19 pandemic: do not leave delirium behind. *Braz J Psychiatry*. 2020 May 20;S1516-44462020005014203. doi: 10.1590/1516-4446-2020-1048. Epub ahead of print.

Garcez FB, Jacob-Filho W, Avelino-Silva TJ. Association between level of arousal and 30-day survival in acutely ill older adults. *JAMDA*. 2020 Apr;21(4):493-499. doi: 10.1016/j.jamda.2019.11.020

Garcez FB, Apolinario D, Campora F, Curiati JAE, Jacob-Filho W, Avelino-Silva TJ. Delirium and post-discharge dementia: results from a cohort of older adults without baseline cognitive impairment. *Age Ageing*. 2019;48:845-851. doi: 10.1093/ageing/afz107

Hennemann V, **Garcez FB**, Revilla GS, Fritsche E, Stecher X, Ronnefarth M, et al. Effect of Anodal Transcranial Direct Current Stimulation Combined with Exercise in Adults with Chronic Non-specific Low Back Pain: Protocol for a Randomized Controlled Trial. *PPCR Journal*. 2019;5(2):58-66. doi: 10.21801/ppcrj.2019.52.4

Garcez FB, Carvalho FU, Soares AP, Goes TC, dos Santos MR, Teixeira-Silva F. The influence of trait anxiety on the elevation of arterial pressure induced by L-NAME in rats. *Neurosci Lett*. 2014 Nov 7;583:11-15.

Prado-Barreto VM, Salvatori R, Santos Júnior RC, Brandão-Martins MB, Correa EA, **Garcez FB**, Valença EH, Souza AH, Pereira RM, Nunes MA, D'Avila JS, Aguiar-Oliveira MH. Hearing status in adult individuals with lifetime, untreated isolated growth hormone deficiency. *Otolaryngol Head Neck Surg*. 2014 Mar;150(3):464-471. [I performed data collection and discussion content review].

Garcez FB, Seabra-Garcez JD, Barreto-Filho JA, Gonçalves LFG, Oliveira JL, Sousa ACS. Ecocardiografia bidimensional convencional pode não detectar cardiomiopatia hipertrófica apical. Relato de Caso. *Rev Bras Ecocardiogr Imagem Cardiovasc*. 2012;25(4):302-306

Anjos-Andrade FD, Sousa ACS, Barreto-Filho JA, **Garcez FB**, Oliveira JL. Chronotropic incompetence and coronary artery disease. *Acta Cardiol*. 2010 Dec;65(6):631-8. [I performed data collection and discussion content review].

BOOK CHAPTERS

Garcez FB; Avelino-Silva TJ. Chapter 5 - Mortality in dementia: linking in the role of delirium. In: *Diagnosis and Management in Dementia*. Elsevier Academic Press, 2020, v.1, p. 61-72, ISBN 9780128158548, <https://doi.org/10.1016/B978-0-12-815854-8.00005-7>.

Avelino-Silva TJ; Crenitte MRF; **Garcez FB**. Delirium. In: Wilson Jacob Filho; Priscila Serrano; Eduardo Onodera. (Org.). *Série Manual do Médico-Residente do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo*. 1ed. Rio de Janeiro: Atheneu, 2019, v. 1, p. 303-314. ISBN13: 9788538809647

EVENT PARTICIPATION

2019	First Latin American Delirium Symposium	Planning Committee
------	---	--------------------

PERIODICS REVIEWER

2019-now	Journal of the American Geriatrics Society (JAGS)
2019-now	Brazilian Journal of Medical and Biological Research
2020-now	Journal of the American Medical Directors Association (JAMDA)
2020-now	BMC Geriatrics
2020-now	Frontiers Aging Neuroscience

RESEARCH PROGRAM

As an early stage investigator, my main interest is on clinical and pathophysiological aspects of delirium, dementia and the aging brain. I recently participated in a research project that investigated the incidence of long-term dementia after an episode of delirium in patients with no history of previous cognitive decline. My primary objective with this study was to identify delirium as a trigger for future dementia and to explore additional risk factors for post discharge cognitive decline in acutely ill older adults. I am also co-investigator of the Brazilian Intervention Group Against Delirium (BRIGADE), which has the goal of developing good quality research and increasing delirium awareness in my home country.

In the near future, I hope to engage in clinical trials that can investigate new prevention and treatment strategies for delirium.

Finally, I was recipient of the 2019 Junior Investigator Pilot Award (NIH R03 Subaward) given by the Network for Investigation of Delirium: Unifying Scientists (NIDUS). With this funding, my team and I have explored the association between intestinal microbiome and delirium in older adults admitted to the emergency department.