



Introduction of UHD RN-BSN adjunct faculty

Dr. Burns is an accomplished professional nurse and healthcare administrator. She received a Doctor of Education in Professional Leadership in Health Sciences at University of Houston, a Master of Business Administration-Healthcare Management at Our Lady of the Lake University, and a Bachelor of Science in Nursing at University of Texas at Arlington. Dr. Burn has served as Executive Director of Patient Safety, Associate Director of Accreditation & Patient Safety, Associate Director of Nursing Programs/Quality, Inpatient and Ambulatory Manager and Clinical Nurse, Adjunct Professor and Visiting/Guest Lecturer, and Graduate Nurse Preceptor at University of Texas MD Anderson Cancer Center and Trinity Mother Frances Hospital, TX. She has over 30 years of progressive experience in delivering services that are high quality and safe by executing collaborative operations strategically focused on accountability building, individual/team development, program implementation, project management, and professional development. She is skilled in promoting high-reliability principles, patient safety, regulatory/accreditation compliance, quality/process improvements, and training/development in health care practices.

My name is Prashant Harjai. I have been an RN since 2005 and have practiced in a variety of settings, including inpatient, home health, and public health areas. I have received my associate, bachelor, and master's degree in nursing. I have taught nursing, nationally and internationally, in colleges, universities, and industry since 2010. I am currently an academic administrator. I love to work with students on understanding concepts in healthcare and how they can apply their bedside to serve patients.

Dr. Charlet Jose obtained Ph.D. in nursing education from the University of Phoenix. She worked in a full-time nursing faculty position at Coleman College for Health Sciences, Houston, from 2011 to March 2022. Her teaching experience includes teaching in online educational platforms, classrooms, web-enhanced/hybrid courses, skills labs, simulation labs, and various clinical units. Dr. Jose is a registered nurse with extensive experience in clinical practice over 35 years in different areas of nursing such as medical, surgical, cardiac, telemetry, orthopedic, oncology/hematology, and IMU units. She worked in various positions such as charge nurse, oncology certified nurse, PCCN certified nurse, Nurse educator, Operating Room nurse, and chemotherapy/biotherapy nurse.



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- 1) Dr. Song Ge received a teaching circle grant titled “Enhancing students’ learning through the pedagogy of practical application” and led the teaching circle activities in Summer 2022.
- 2) Dr. Song Ge received support to attend the National Center for Faculty Development & Diversity Faculty Success Program in Summer 2022.
- 3) Dr. Song Ge received the SynergIE Professorship Award for incorporating inclusive pedagogy into NURS 4330 Nursing Research in Spring 2022.
- 4) Dr. Song Ge was invited to deliver a presentation virtually to students and faculty at Qingdao University School of Nursing in China in Spring 2022.
- 5) Dr. Song Ge launched a special topic titled “Panoramic View of Cognitive Impairment: Interdisciplinary Cognitive Research” in *Frontiers in Neuroscience* as a guest associate editor in 2022.

Dr. Song Ge actively involved students in research and led three students on a project titled “Association between seropositivity for toxocariasis and cognitive functioning in older adults” in 2023. The project was presented at the 23rd UHD Students Research Conference as an oral and poster presentation. Below is the description of the project.

This study sought to examine the relationship between seropositivity for toxocariasis and cognitive functioning in a nationally representative sample of U.S. older adults. Design: A cross-sectional study. The National Health and Nutrition Examination Survey (NHANES) study took place at participants’ homes and mobile exam centers with specialized equipment. Participants: The study population consisted of 3,188 community-dwelling U.S. older adults aged 60 and above from the NHANES 2011 to 2014. IgG antibody against *Toxocara spp.* was tested by a Luminex assay using recombinant rTc-CTL-1 antigen. A value >23.1 mean fluorescence intensity (MFI) indicated positive for toxocariasis and a value ≤ 23.1 MFI as negative for toxocariasis. Primary and secondary outcome measures: The Consortium to Establish a Registry for Alzheimer’s Disease Word Learning subtest (CERAD-WL) immediate and delayed memory, the Animal Fluency test (AFT), and the Digit Symbol Substitution Test (DSST) were used to assess cognitive functioning. Cognitive test-specific and global cognitive z scores were computed using sample means and standard deviation (SD). Results: The study population consisted of 3,188 participants who represented a total of 111,896,309 civilian citizens in the US. The mean age of the participants was 69.6 years (SD 6.8). The prevalence of toxocariasis in this population was 7.3% (95% confidence interval [CI]: 6.1 to 8.5). The survey-weighted linear regression model showed that compared with participants who were toxocariasis seronegative, those who were seropositive had lower DSST z score (beta $[\beta] = -0.12$, 95% CI: -0.22 to -0.01) and global cognition z score ($\beta = -0.11$, 95% CI: -0.22 to -0.01), after controlling for age, sex, race/ethnicity, education, depressive symptoms, smoking status, body mass index, prevalent coronary heart disease, prevalent stroke, and systolic blood pressure, physical activity, and total cholesterol. Conclusions: In our study, seropositive toxocariasis is independently and significantly associated with worse working memory, sustained attention, processing speed as well as global cognition in older adults.

Nursing Faculty publications in 2022

Ma, H., Ma, Y., Ge, S., Wang, S., Zhao, I. Y., & Christensen, M. Intrapersonal and interpersonal level factors influencing self-care practices among Hong Kong individuals with COVID-19—a qualitative study. *Frontiers in Public Health*, 2897.

Li, Y., Huang, Q., Ge, S., Wu, B., & Tang, X. Investigating oral health-related quality of life in patients with ischaemic stroke in China. *Gerodontology*.

Yang, Q., Wang, Y., Yang, M., Ge, S., Cheng, S., Wang, C., Zhang, W., Tian, C., & Mao, J. (2022). Apathy co-occurs with subjective cognitive decline among community-dwelling older adults. *Geriatric nursing (New York, N.Y.)*, 48, 173–178. <https://doi.org/10.1016/j.gerinurse.2022.09.018>

Ge, S., Song, Y., Hu, J., Tang, X., Li, J., & Dune, L. (2022). The development and impact of adopting electronic health records in the United States: A brief overview and implications for nursing education. *Health Care Science*.

Tang, X., Sun, H., Ge, S., Han, S., Li, Y., & Wu, B. (2022). Experiences and needs of older adults at different stages of cerebral infarction based on trajectory theory—A qualitative study. *Nursing Open*.

Xiang, D., Ge, S., Zhang, Z., Budu, J. T., & Mei, Y. (2022). Relationship among clinical practice environment, creative self-efficacy, achievement motivation, and innovative behavior in nursing students: A cross-sectional study. *Nurse Education Today*, 105656.

Fu Z, Qi G, Qu Z, Lin X, Xu L, Shen B, Dong F, & Ge, S. (2022). Higher blood cotinine level is associated with worse cognitive functioning in non-smoking older adults. *Frontiers in Neuroscience*. 16:1080066. doi: 10.3389/fnins.2022.1080066

Ge, S., Tian C, Wu L, Liu M, & Lu H (2022) Prescribed opioid use is associated with increased all-purpose emergency department visits and hospitalizations in community-dwelling older adults in the United States. *Frontiers in Psychiatry*, 13:1092199. doi: 10.3389/fpsyt.2022.1092199

Fu Z, Zhou T, Dong F, Li M, Lin X, Ma W, Song Y, & Ge, S. (2022). Secondhand smoke is positively associated with pre-frailty and frailty in non-smoking older adults. *Frontiers in Psychiatry*, 13:1095254. doi: 10.3389/fpsyt.2022.1095254

Huang, Q., Li, Y., Wu, X., Ge, S., Qu, Z., Wang, A., & Tang, X. (2022). The willingness and influencing factors to choose smart senior care among old adults in China. *BMC Geriatrics*, 22(1), 1-12.



UHD nursing and faculty organized the Health Fair in 2022.

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