

Peer-Reviewed Publications by **Dr. Suzanne Babyar**
2000 - Present

- Babyar, S.R.**, Holland, T.J., Rothbart, D., & Pell, J. (2021). Electromyographic analyses of trunk musculature after stroke: An integrative review. *Topics in Stroke Rehabilitation*. Jul 2021, 1-16. <https://doi.org/10.1080/10749357.2021.194072>.
- Karpatkin, H., **Babyar, S.**, Gayeski, E., Meredith, L., Polster, E., Sheer, P., & Schroeder, D. (2020). The effect of fatigue on balance performance in Parkinson's disease. *Clinical Parkinsonism & Related Disorders*. 3, 100047.
- Holland, T., **Babyar, S.**, Carroll, B., Hunt, S., Sheeleigh Albright, K., & Wnukowski, M. (2020). A preliminary study of the influence of sagittal plane neck alignment on mylohyoid activity during oropharyngeal swallowing: A surface electromyographic analysis. *CRANIO*.[®] 38(1), 43-49. doi: 10.1080/08869634.2018.1480149.
- Babyar, S.R.**, Smeragliuolo, A., Albazron, F.M., Putrino, D., Reding, M., & Boes, A.D. (2019). Lesion localization of poststroke lateropulsion. *Stroke*. 50, 1067-1073.
- Babyar, S.**, & Reding, M. (2019). Recovery from lateropulsion: The role of lesion side and impairments. *Neurologie et Rehabilitation*. 25, S46-S48.
- Karpatkin, H., **Babyar, S.**, DiCarrado, S., McDarby, M., Narovlianski, M., Perez, B., & Rimawi, I. (2018). Increases in fatigue do not change spasticity scores in persons with multiple sclerosis. *Neurodegenerative Disease Management*, 8(3), 143-150.
- Babyar, S.**, Santos, T., Will-Lemos, T., Mazin, S., Edwards, D., & Reding, M. (2018). Sinusoidal transcranial direct current versus galvanic vestibular stimulation for treatment of lateropulsion poststroke. *Journal of Stroke and Cerebrovascular Diseases*, 27(12), 3621-3625.
- Walter, K., Pizzichetta, K., Metz, J., DiCarlo, D., Sieban, A., Toscano, M., Atkins, D., Benitez, J., & **Babyar, S.R.** (2017). Improved function and Geriatric Depression Scale profile in outpatients with Parkinson's Disease through the participation in Lee Silverman Voice Therapy BIG[®] Program. *Physical Medicine and Rehabilitation Research*, 2(4), 1-6. doi: 10.15761/PMRR.1000152.
- Babyar, S.R.**, Peterson, M.G.E., & Reding, M. (2017). Case-control study of impairments associated with recovery from "pusher syndrome" after stroke: Logistic regression analyses. *Journal of Stroke and Cerebrovascular Diseases*. 26(1), 25-33.
- Babyar, S.**, Santos-Pontelli, T., Will-Lemos, T., Mazin, S., Bikson, M., Truong, D.Q., Edwards, D., & Reding, M. (2016). Center of pressure speed changes with tDCS versus GVS in patients

with lateropulsion after stroke [Letter to Editor]. *Brain Stimulation*. 9(5), 796-8. doi: 10.1016/j.brs.2016.06.053.

Santos-Pontelli, T.E.G., Rimoli, B.P., Favretto, D.B., Mazin, S.C., Truong, D.Q., Leite, J.P., Pontes-Neto, O.M., **Babyar, S.R.**, Reding, M., Bikson, M., & Edwards, D.J. (2016). Polarity-dependent misperception of subjective visual vertical during and after transcranial direct current stimulation (tDCS). *PLOS ONE*. 11(3), e0152331.

Babyar, S.R., Peterson, M.G.E., & Reding, M. (2015). Time to recovery from lateropulsion dependent on key stroke deficits. *Neurorehabilitation and Neural Repair*. 29(3), 207-213.

Herbold, J.A., Bonistall, K., Blackburn, M., Agolli, J., Gaston, S., Gross, C., Kuta, A., & **Babyar, S.** (2014). A randomized controlled trial of the effectiveness of continuous passive motion following total knee replacement. *Archives of Physical Medicine and Rehabilitation*, 95(7), 1240-1245.

Babyar, S.R., Pivko, S., & Rosen, E. (2010). Pedagogical tools to develop clinical reasoning: Physical Therapy students' perspective. *Journal of Allied Health*. 39(3), e-97-104.

Babyar, S.R., Peterson, M.G.E., Bohannon, R., Pérennou, D., & Reding, M. (2009). Clinical examination tools for lateropulsion or pusher syndrome following stroke: A systematic review of the literature. *Clinical Rehabilitation*. 23(7), 639-650.

Babyar, S.R., White, H., Shafi, N., & Reding, M. (2008). Outcomes with stroke and lateropulsion: A case-matched controlled study. *Neurorehabilitation and Neural Repair*. 22, 415-423.

Babyar, S.R., Hildebrand McCloskey, K.H., & Reding, M. (2007). Surface electromyography of lumbar paraspinal muscles during seated passive tilting of patients with lateropulsion following stroke. *Neurorehabilitation and Neural Repair*. 21(2), 127-36.

Macht Sliwinski, M., Schultze, K., Lyons Hansen, R., Malta, S., & **Babyar, S.R.** (2004). Clinical performance expectations: A preliminary study comparing physical therapist students, clinical instructors, and academic faculty. *Journal of Physical Therapy Education*. 18, 50-57.

Babyar, S.R., Rosen, E., Sliwinski, M.M., Krasilovsky, G., Holland, T., & Lipovac, M. (2003). Physical therapy students' self-reports of development of clinical reasoning: A preliminary study. *Journal of Allied Health*. 32, 227-239.

Peer-Reviewed Presentations by **Dr. Suzanne Babyar**
2000 – Present

- Babyar, S.**, Sheehan, N., & Meyer, A. (2021, October). *A clinical framework for evaluation and intervention for patients with lateropulsion after stroke*. New York Physical Therapy Association. Virtual Annual Conference. Virtual Platform Presentation.
- Babyar, S.**, Sheehan, N., Meyer, A., & O'Dell, M. (2020, October). *Application of a framework for evaluation and intervention for patients with lateropulsion after stroke*. American Congress of Rehabilitation Annual Conference. Virtual Platform Presentation.
- Herbold, J., Lindeman, S., Safrin, A., Perten, M., & **Babyar Rothbart, S.** (2020, February). *Discharge predictors after stroke*. Combined Sections Meeting of the American Physical Therapy Association. Denver, CO. Poster Presentation.
- Herbold, J., Wittkamp, A., Dai, H.M., Saint-Preux, M., & **Babyar Rothbart, S.** (2020, February). *Longer individualized rehabilitation intervention does not impact outcomes for patients with chronic obstructive pulmonary disease*. Combined Sections Meeting of the American Physical Therapy Association. Denver, CO. Platform Presentation.
- Babyar, S.** (2019, May). *Recovery from lateropulsion: Role of brain lesions and impairments*. Symposium. Human Perception of Verticality: Lateropulsion & Retropulsion in Neurological Disorders. Bad Aibling, Germany. Invited Presentation.
- Babyar, S.**, Smeragliuolo, A., Albrason, F.M., Putrino, D., Reding, M., & Boes, A.D. (2019, January). *Lesion localization of post-stroke lateropulsion*. Combined Sections Meeting of the American Physical Therapy Association. Washington, D.C. Poster Presentation.
- Walter, K., Pizzichetta, K., Sieban, A., & **Babyar, S.** (2018, October). *Geriatric Depression Scale and Function improve for outpatients with parkinson's disease Using LSVT BIG[®] program*. American Congress of Rehabilitation Medicine Annual Conference. Dallas, TX. Poster Presentation.
- Karpatkin, H.**, Schroeder, D., Meredith, L., Pollster, E., Sheer, P., & Gayeski, E. (2018, February). *Effects of fatigue on mobility in persons with parkinson's disease*. Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. Poster Presentation.
- Batistick-Aufox, H., Lebduska, J., Chiu, Y., Frager, M., Lee, S., Wong, S., & **Babyar, S.** (2017, February). *Falls prevention training in acute inpatient rehabilitation*. Combined Sections Meeting of the American Physical Therapy Association. San Antonio, TX. Poster Presentation.
- Herbold, J., Meslin, J., Markoe, K., Walwyn, S., Evans, S., Nisonov, S., & **Babyar, S.** (2017,

February). *Effects of kinesiophobia on length of stay and recovery outcomes in patients after total knee arthroscopy (TKA)*. Combined Sections Meeting of the American Physical Therapy Association. San Antonio, TX. Poster Presentation.

Karpatkin, H., McDarby, M., Navrovlanski, M., Perez, B., Rimawi, I., & **Babyar, S.** (2017, February). *Effect of fatigue on spasticity in multiple sclerosis*. Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX. Poster Presentation.

Babyar Rothbart, S., Schwabe, E., Magram, K., Horowitz, N., Papincak, C., & Kohn, E. (2011, February). *Construct validity of a battery for fitness assessment of children and teenagers with obesity*. Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. Platform presentation.