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### Publications

#### PUBLICATIONS

- **Identification of Endotypes of Hospitalized COVID-19 Patients** *FRONTIERS IN MEDICINE*  
Ranard, B. L., Megjhani, M., Terilli, K., Doyle, K., Claassen, J., Pinsky, M. R., Clermont, G., Vodovotz, Y., Asgari, S., Park, S.  
2021; 8: 770343
- **Dynamic Intracranial Pressure Waveform Morphology Predicts Ventriculitis** *NEUROCRITICAL CARE*  
Megjhani, M., Terilli, K., Kalasapudi, L., Chen, J., Carlson, J., Miller, S., Badjatia, N., Hu, P., Velazquez, A., Roh, D. J., Agarwal, S., Claassen, J., Connolly, et al  
2022; 36 (2): 404-411
- **Use of Clustering to Investigate Changes in Intracranial Pressure Waveform Morphology in Patients with Ventriculitis.** *Acta neurochirurgica. Supplement*  
Megjhani, M., Terilli, K., Kaplan, A., Wallace, B. K., Alkhachroum, A., Hu, X., Park, S.  
2021; 131: 59-62
- **Dynamic Detection of Delayed Cerebral Ischemia A Study in 3 Centers** *STROKE*  
Megjhani, M., Terilli, K., Weiss, M., Savarraj, J., Chen, L., Alkhachroum, A., Roh, D. J., Agarwal, S., Connolly, E., Velazquez, A., Boehme, A., Claassen, J., Choi, et al  
2021; 52 (4): 1370-1379
- **Surface Point Cloud Ultrasound with Transcranial Doppler: Coregistration of Surface Point Cloud Ultrasound with Magnetic Resonance Angiography for Improved Reproducibility, Visualization, and Navigation in Transcranial Doppler Ultrasound.** *Journal of digital imaging*  
Stember, J. N., Terilli, K. L., Perez, E., Megjhani, M., Cooper, C. A., Jambawalikar, S., Park, S.  
2020; 33 (4): 930-936
- **Hyperemia in subarachnoid hemorrhage patients is associated with an increased risk of seizures.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*  
Alkhachroum, A., Megjhani, M., Terilli, K., Rubinos, C., Ford, J., Wallace, B. K., Roh, D. J., Agarwal, S., Connolly, E. S., Boehme, A. K., Claassen, J., Park, S.  
2020; 40 (6): 1290-1299
- **Heart Rate Variability as a Biomarker of Neurocardiogenic Injury After Subarachnoid Hemorrhage.** *Neurocritical care*  
Megjhani, M., Kaffashi, F., Terilli, K., Alkhachroum, A., Esmaeili, B., Doyle, K. W., Murthy, S., Velazquez, A. G., Connolly, E. S., Roh, D. J., Agarwal, S., Loparo, K. A., Claassen, et al  
2020; 32 (1): 162-171
- **Predicting delayed cerebral ischemia after subarachnoid hemorrhage using physiological time series data.** *Journal of clinical monitoring and computing*  
Park, S., Megjhani, M., Frey, H. P., Grave, E., Wiggins, C., Terilli, K. L., Roh, D. J., Velazquez, A., Agarwal, S., Connolly, E. S., Schmidt, J. M., Claassen, J., Elhadad, et al  
2019; 33 (1): 95-105
- **An active learning framework for enhancing identification of non-artifactual intracranial pressure waveforms.** *Physiological measurement*

Megjhani, M., Alkhachroum, A., Terilli, K., Ford, J., Rubinos, C., Kromm, J., Wallace, B. K., Connolly, E. S., Roh, D., Agarwal, S., Claassen, J., Padmanabhan, R., Hu, et al  
2019; 40 (1): 015002

- **Incorporating High-Frequency Physiologic Data Using Computational Dictionary Learning Improves Prediction of Delayed Cerebral Ischemia Compared to Existing Methods.** *Frontiers in neurology*

Megjhani, M., Terilli, K., Frey, H. P., Velazquez, A. G., Doyle, K. W., Connolly, E. S., Roh, D. J., Agarwal, S., Claassen, J., Elhadad, N., Park, S.  
2018; 9: 122

- **Deriving the PRx and CPPopt from 0.2-Hz Data: Establishing Generalizability to Bedmaster Users.** *Acta neurochirurgica. Supplement*

Megjhani, M., Terilli, K., Martin, A., Velazquez, A., Claassen, J., Roh, D., Agarwal, S., Smielewski, P., Boehme, A. K., Michael Schmidt, J., Park, S.  
2018; 126: 179-182