Stanford

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MD Student with Scholarly Concentration in Bioengineering, expected graduation Spring 2027

Publications

PUBLICATIONS

- **Utility of repeat stereotactic EEG in pediatric patients with tuberous sclerosis.** *Epilepsia open*
  Uchitel, J., Fariyike, O., Steeman, S., Rockwood, S., Kim, L. H., Choi, J., Hengartner, A. C., Fel, A. H., Teeyagura, P., Grant, G., Buch, V., Mahaney, K. B., Prolo, et al
  2026

- **Safety, feasibility, and technique of stereo-electroencephalography in children younger than 3 years.** *Journal of neurosurgery. Pediatrics*
  Uchitel, J., Fariyike, O. A., Rockwood, S. J., Steeman, S., Kim, L. H., Choi, J., Berg, A., Ren, A., Teeyagura, P., Grant, G., Buch, V., Mahaney, K. B., Prolo, et al
  2026: 1-10

- **Wearable technologies for assisted mobility in the real world.** *Nature communications*
  Gao, S., Chen, J., Xia, Y., Li, X., Ma, W., Yang, H., Li, J., Zhou, X., Jia, T., Xu, Y., Uchitel, J., Ta, D., Qi, et al
  2025

- **Supraorbital craniotomy for focal frontal epilepsy via eyebrow incision and guided by in situ stereo-EEG electrodes: illustrative case.** *Journal of neurosurgery. Case lessons*
  Ravi, K., Huang, Y., Fariyike, O. A., Uchitel, J., Wu, A. Y., Hyslop, A., Gallentine, W. B., Phillips, H. W.
  2025; 10 (18)

- **Intracranial neuromodulation for pediatric drug-resistant epilepsy: early institutional experience.** *Frontiers in surgery*
  Uchitel, J., Lui, A., Knowles, J., Parker, J. J., Phillips, H. W., Halpern, C. H., Grant, G. A., Buch, V. P., Hyslop, A., Kumar, K. K.
  2025; 12: 1569360

- **Temporal Dynamics and Physical Priori Multimodal Network for Rehabilitation Physical Training Evaluation** *IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS*
  Gao, S., Chen, J., Chen, X., Uchitel, J., Tang, C., Li, C., Pan, Y., Zhao, H.
  2024; 28 (9): 5613-5623

- **Characteristics of non-sleep related apneas in children with alternating hemiplegia of childhood.** *European journal of paediatric neurology : EJPN : official journal of the European Paediatric Neurology Society*
  Thamby, J., Prange, L., Boggs, A., Subei, M. O., Myers, C., Uchitel, J., ElMallah, M., Bartlett-Lee, B., Riviello, J. J., Mikati, M. A.
  2023; 48: 101-108

- **Ensuring Optimal Early Childhood Development Globally: Optimism about the Increasing Role of Pediatricians.** *Journal of developmental and behavioral pediatrics : JDBP*
  Mikati, M. A., Uchitel, J.
  2023; 44 (1): e70

- **Cot-side imaging of functional connectivity in the developing brain during sleep using wearable high-density diffuse optical tomography** *NEUROIMAGE*
  Uchitel, J., Blanco, B., Collins-Jones, L., Edwards, A., Porter, E., Pammenter, K., Hebden, J., Cooper, R. J., Austin, T.
  2023; 265: 119784

- **Reliability and similarity of resting state functional connectivity networks imaged using wearable, high-density diffuse optical tomography in the home setting** *NEUROIMAGE*

Uchitel, J., Blanco, B., Vidal-Rosas, E., Collins-Jones, L., Cooper, R. J.
2022; 263: 119663

- **Role of Pediatricians, Pediatric Associations, and Academic Departments in Ensuring Optimal Early Childhood Development Globally: Position Paper of the International Pediatric Association** *JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS*
  Uchitel, J., Alden, E., Bhutta, Z. A., Cavallera, V., Lucas, J., Oberklaid, F., Patterson, J., Raghavan, C., Richter, L., Rikard, B., Russell, R., Mikati, M. A.
  2022; 43 (8): E546-E558

- **Characterization of sedation and anesthesia complications in patients with alternating hemiplegia of childhood** *EUROPEAN JOURNAL OF PAEDIATRIC NEUROLOGY*
  Parker, L. E., Wallace, K., Thevathasan, A., Funk, E., Pratt, M., Thamby, J., Tran, L., Prange, L., Uchitel, J., Boggs, A., Minton, M., Jasien, J., Nagao, et al
  2022; 38: 47-52

- **Wearable, Integrated EEG-fNIRS Technologies: A Review** *SENSORS*
  Uchitel, J., Vidal-Rosas, E. E., Cooper, R. J., Zhao, H.
  2021; 21 (18)

- **Early development of sleep and brain functional connectivity in term-born and preterm infants** *PEDIATRIC RESEARCH*
  Uchitel, J., Vanhatalo, S., Austin, T.
  2022; 91 (4): 771-786

- **Alternating hemiplegia of childhood: evolution over time and mouse model corroboration** *BRAIN COMMUNICATIONS*
  Uchitel, J., Wallace, K., Tran, L., Abrahamsen, T., Hunanyan, A., Prange, L., Jasien, J., Caligiuri, L., Pratt, M., Rikard, B., Fons, C., De Grandis, E., Vezyroglou, et al
  2021; 3 (3): fcab128

- **Conversational analysis of consciousness during seizures** *EPILEPSY & BEHAVIOR*
  Uchitel, J., McDade, C., Mathew, M., Mantri, S., Jenson, D., Husain, A. M.
  2020; 112: 107486

- **Characterization of Severe and Extreme Behavioral Problems in Patients With Alternating Hemiplegia of Childhood** *PEDIATRIC NEUROLOGY*
  Wallace, K., Uchitel, J., Prange, L., Jasien, J., Bonner, M., D'Alli, R., Maslow, G., Mikati, M. A.
  2020; 111: 5-12

- **Alternating Hemiplegia of Childhood: gastrointestinal manifestations and correlation with neurological impairments** *ORPHANET JOURNAL OF RARE DISEASES*
  Pratt, M., Uchitel, J., McGreal, N., Gordon, K., Prange, L., McLean, M., Noel, R. J., Rikard, B., Rogers Boruta, M. K., Mikati, M. A.
  2020; 15 (1): 231

- **Viral-Mediated Gene Replacement Therapy in the Developing Central Nervous System: Current Status and Future Directions** *PEDIATRIC NEUROLOGY*
  Uchitel, J., Kantor, B., Smith, E. C., Mikati, M. A.
  2020; 110: 5-19

- **Social impairments in alternating hemiplegia of childhood** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
  Uchitel, J., Abdelnour, E., Boggs, A., Prange, L., Pratt, M., Bonner, M., Jasien, J., Dawson, G., Abrahamsen, T., Mikati, M. A.
  2020; 62 (7): 820-826

- **Magnetic resonance imaging volumetric analysis in patients with Alternating hemiplegia of childhood: A pilot study** *EUROPEAN JOURNAL OF PAEDIATRIC NEUROLOGY*
  Ghusayni, R., Richardson, J. P., Uchitel, J., Abdelnour, E., McLean, M., Prange, L., Abrahamsen, T., Song, A., Petrella, J. R., Mikati, M. A.
  2020; 26: 15-19

- **The Rights of Children for Optimal Development and Nurturing Care** *PEDIATRICS*
  Uchitel, J., Alden, E., Bhutta, Z. A., Goldhagen, J., Narayan, A., Raman, S., Spencer, N., Wertlieb, D., Wettach, J., Woolfenden, S., Mikati, M. A.
  2019; 144 (6)

- **The epileptology of alternating hemiplegia of childhood** *NEUROLOGY*

Uchitel, J., Helseth, A., Prange, L., McLean, M., Ghusayni, R., Sachdev, M., Hunanyan, A., Mikati, M. A.
2019; 93 (13): E1248-E1259

- **Cognitive, adaptive, and behavioral profiles and management of alternating hemiplegia of childhood** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
  Jasien, J. M., Bonner, M., D'alli, R., Prange, L., Mclean, M., Sachdev, M., Uchitel, J., Ricano, J., Smith, B., Mikati, M. A.
  2019; 61 (5): 547-+
- **Motor function domains in alternating hemiplegia of childhood** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
  Masoud, M., Gordon, K., Hall, A., Jasien, J., Lardinois, K., Uchitel, J., Mclean, M., Prange, L., Wuchich, J., Mikati, M. A.
  2017; 59 (8): 822-828