



Gustavo Balanza Villegas

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

Bio

PROGRAM AFFILIATIONS

- SPARK at Stanford

PROFESSIONAL EDUCATION

- Doctor of Medicine, Universidad Mayor De San Andres (2016)
- Perfusionist, Universidad Católica de Chile , Cardiovascular Perfusion (2019)
- MD, Universidad Mayor de San Andres, La Paz, Bolivia , Medicine (2016)

STANFORD ADVISORS

- Patrick Purdon, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Differential cortical network engagement during states of un/consciousness in humans.** *Neuron*
Zelmann, R., Paulk, A. C., Tian, F., Balanza Villegas, G. A., Dezha Peralta, J., Crocker, B., Cosgrove, G. R., Richardson, R. M., Williams, Z. M., Dougherty, D. D., Purdon, P. L., Cash, S. S.
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- **Association of Intraoperative Opioid Administration With Postoperative Pain and Opioid Use.** *JAMA surgery*
Santa Cruz Mercado, L. A., Liu, R., Bharadwaj, K. M., Johnson, J. J., Gutierrez, R., Das, P., Balanza, G., Deng, H., Pandit, A., Stone, T. A., Macdonald, T., Horgan, C., Tou, et al
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- **A Narrative Review Illustrating the Clinical Utility of Electroencephalogram-Guided Anesthesia Care in Children** *ANESTHESIA AND ANALGESIA*
Bong, C., Balanza, G. A., Khoo, C., Tan, J., Desel, T., Purdon, P.
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- **Association of Intraoperative Opioid Administration With Postoperative Pain and Opioid Use** *JAMA SURGERY*
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- **Characterizing brain dynamics during ketamine-induced dissociation and subsequent interactions with propofol using human intracranial neurophysiology.** *Nature communications*
Tian, F., Lewis, L. D., Zhou, D. W., Balanza, G. A., Paulk, A. C., Zelmann, R., Peled, N., Soper, D., Santa Cruz Mercado, L. A., Peterfreund, R. A., Aglio, L. S., Eskandar, E. N., Cosgrove, et al
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- **Sevoflurane requirements during electroencephalogram (EEG)-guided vs standard anesthesia Care in Children: A randomized controlled trial.** *Journal of clinical anesthesia*
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- **An electroencephalogram biomarker of fentanyl drug effects.** *PNAS nexus*
Balanza, G. A., Bharadwaj, K. M., Mullen, A. C., Beck, A. M., Work, E. C., McGovern, F. J., Houle, T. T., Eric, T. P., Purdon, P. L.
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