



Vaibhavi Shah

- MD Student with Scholarly Concentration in Informatics & Data-Driven Medicine / Surgery, expected graduation Spring 2026
- Tutor, SoM Office of Student Services

Publications

PUBLICATIONS

- **Suspected and surgically managed cauda equina syndrome nationwide: epidemiological trends and socioeconomic factors influencing access to care.** *Journal of neurosurgical sciences*
Johnstone, T. M., Shah, V., Haider, G., Yoo, K. H., Stienen, M. N., Veeravagu, A.
2024
- **Scaling equitable artificial intelligence in healthcare with machine learning operations.** *BMJ health & care informatics*
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- **Applying natural language processing to patient messages to identify depression concerns in cancer patients.** *Journal of the American Medical Informatics Association : JAMIA*
van Buchem, M. M., de Hond, A. A., Fanconi, C., Shah, V., Schuessler, M., Kant, I. M., Steyerberg, E. W., Hernandez-Boussard, T.
2024
- **Statistical Methods to Examine Racial and Ethnic Disparities in the Surgical Literature: A Review and Recommendations for Improvement.** *Annals of surgery*
Harris, A. H., Eddington, H., Shah, V. B., Shwartz, M., Gurewich, D., Rosen, A. K., Quinteros, B., Wilcher, B., Nieser, K. J., Jones, G., Wu, J. T., Morris, A. M.
2024
- **Emerging Outlook on Personalized Neuromodulation for Depression: Insights from Tractography-Based Targeting.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
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- **Experience with the utilization of new-generation shared-control robotic system for spinal instrumentation.** *Journal of neurosurgical sciences*
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- **Machine Learning in Neurosurgery: Toward Complex Inputs, Actionable Predictions, and Generalizable Translations.** *Cureus*
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- **Type II Odontoid Fractures in the Elderly Presenting to the Emergency Department: An Assessment of Factors Affecting In-Hospital Mortality and Discharge to Skilled Nursing Facilities.** *The spine journal : official journal of the North American Spine Society*
Johnstone, T., Shah, V., Schonfeld, E., Sadeghzadeh, S., Haider, G., Stienen, M., Marianayagam, N. J., Veeravagu, A.
2023
- **Accuracy of predicted postoperative segmental lumbar lordosis in spinal fusion using an intraoperative robotic planning and guidance system.** *Journal of neurosurgical sciences*
Haider, G., Shah, V., Johnstone, T., Maldaner, N., Stienen, M., Veeravagu, A.
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- **Perspectives on validation of clinical predictive algorithms.** *NPJ digital medicine*
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- **Inspiration out of Trauma: Meet Resurge Exchange Scholar Dr. David Silver**
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2022
- **Meet the First Annual Matolase Mtonga Scholarship Winners**
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ReSurge International.
2022
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- **I Can't Breathe, Pollution, and Racial Justice**
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