

Stanford

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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Cosmos-Surg-DVRK: World Foundation Model-Based Automated Online Evaluation of Surgical Robot Policy Learning** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Zbinden, L., Nelson, N., Chen, J., Chen, X., Kim, J., Azizian, M., Krieger, A., Huver, S.
2026; 11 (5): 5978-5985
- **AgentClinic: a multimodal benchmark for tool-using clinical AI agents.** *NPJ digital medicine*
Schmidgall, S., Ziaei, R., Harris, C., Kim, J. W., Reis, E. P., Jopling, J., Moor, M.
2026
- **ImitateCholec: A Multimodal Dataset for Long-Horizon Imitation Learning in Robotic Cholecystectomy.** *Scientific data*
Hansen, P., Kim, J. W., Goldenberg, A., Chen, J. T., Li, Y. A., Deguet, A., White, B., Tsai, D. R., Cha, R., Jopling, J., Scheikl, P. M., Krieger, A.
2026
- **Will your next surgeon be a robot? Autonomy and AI in robotic surgery** *SCIENCE ROBOTICS*
Schmidgall, S., Opfermann, J. D., Kim, J., Krieger, A.
2025; 10 (104): eadt0187
- **SRT-H: A hierarchical framework for autonomous surgery via language-conditioned imitation learning.** *Science robotics*
Kim, J. W., Chen, J. T., Hansen, P., Shi, L. X., Goldenberg, A., Schmidgall, S., Scheikl, P. M., Deguet, A., White, B. M., Tsai, D. R., Cha, R. J., Jopling, J., Finn, et al
2025; 10 (104): eadt5254
- **Surgical Robot Transformer (SRT): Imitation Learning for Surgical Tasks**
Kim, J., Zhao, T. Z., Schmidgall, S., Deguet, A., Kobilarov, M., Finn, C., Krieger, A.
edited by Kroemer, O., Agrawal, P., Burgard, W.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2024