





Manikantam Gaddam

Research Engineer, Urology - Divisions

 Curriculum Vitae available Online

 Resume available Online

Bio

BIO

I have obtained a Ph.D. in Mechanical and Aerospace Engineering from Oklahoma State University, complemented by a Master's degree in the same field. My educational background includes a Bachelor's degree in Mechanical Engineering from Osmania University. With a passion for innovation and a drive to improve healthcare, I have focused my research efforts on the cardiovascular, urology, and respiratory fields. Collaborating with cross-functional teams comprising surgeons, clinicians, engineers, and microbiologists, I have been actively involved in the development of cutting-edge medical devices and technologies. Through my work, I aim to contribute to advancements in these fields and make a positive impact on patient care.

CURRENT ROLE AT STANFORD

Research Engineer

EDUCATION AND CERTIFICATIONS

- Ph.D., Oklahoma State University , Mechanical and Aerospace Engineering (2021)
- M.S., Oklahoma State University , Mechanical and Aerospace Engineering (2016)
- B.E., Osmania University , Mechanical Engineering (2014)

Publications

PUBLICATIONS

- **Septal annular dilation in chronic ovine functional tricuspid regurgitation.** *The Journal of thoracic and cardiovascular surgery*
Iwasieczko, A., Jazwiec, T., Gaddam, M., Gaweda, B., Piekarska, M., Solarewicz, M., Rausch, M. K., Timek, T. A.
2023; 166 (5): e393-e403
- **Effect of Papillary Muscle Approximation on Acute Ovine Functional Tricuspid Regurgitation.** *Interdisciplinary cardiovascular and thoracic surgery*
Gaweda, B., Jazwiec, T., Gaddam, M., Bush, J. D., MacDougall, B., Widenka, K., Timek, T. A.
2023
- **Papillary Muscle Approximation in Chronic Ovine Functional Tricuspid Regurgitation.** *The Journal of thoracic and cardiovascular surgery*
Gaweda, B., Gaddam, M., Ja#wiec, T., Bush, J. D., MacDougall, B., Widenka, K., Timek, T. A.
2023
- **Valvular complex and tissue remodelling in ovine functional tricuspid regurgitation.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Iwasieczko, A., Gaddam, M., Gaweda, B., Goodyke, A., Mathur, M., Lin, C., Zagorski, J., Solarewicz, M., Cohle, S., Rausch, M., Timek, T. A.
2023; 63 (5)
- **Chronic Ovine Model of Right Ventricular Failure and Functional Tricuspid Regurgitation.** *Journal of visualized experiments : JoVE*
Gaweda, B., Iwasieczko, A., Gaddam, M., Bush, J. D., MacDougal, B., Timek, T. A.

2023

- **The Presence of a Substrate Strengthens The Jet Generated by Upside-Down Jellyfish** *FRONTIERS IN MARINE SCIENCE*

Battista, N., Gaddam, M. G., Hamlet, C. L., Hoover, A. P., Miller, L. A., Santhanakrishnan, A.

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