

Arjun Venkatesh



Home Address

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Contact Information

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Biographical Data

Date of Birth: May 15, 1994
Place of Birth: Worcester, MA
Citizenship: USA

Education

- 2021 - Present **St. George's University School of Medicine**
St. George, Grenada
Doctor of Medicine anticipated May 2026
- 2016 - 2018 **Johns Hopkins University**
Baltimore, MD
Master of Science in Biotechnology
- 2012 - 2016 **Case Western Reserve University**
Cleveland, OH
Bachelor of Arts in Biology; Minor in Chemistry

Certifications

- 2023 USMLE Step 1: Pass
2018 MCAT: 513

Research Experience

- 2024 - Research Associate for Dr. K. C. Balaji - University of Florida –
Jacksonville Department of Urology
- Outcomes Research
 - Basic Science Research
 - Prostate cell line experiments
- 2019 - 2021 Research Technician for Dr. Jeremy Nathans - Johns Hopkins University
- Limb Development Project
 - Exploring the effects of GPR124, Reck CC4, Wnt7a and Wnt 7b mutants in developing mice
 - Retinal Tip Cell Project

- Characterizing the pattern of expression of specific genes found in the “tip cells” at the vascular front of a developing retina via in situ hybridization chain reaction (HCR).
- Lacrimal Gland Project
 - Using HCR to characterize a pattern of differentially expressed genes seen in the lacrimal glands of autoimmune diseased mice

Publications

1. Eraky A, Almoflihi M, Awan M, Jaabou M, Campistol M, Tillu N, Choudhary MK, **Venkatesh A**, Kolanukuduru KP, Dovey Z, Zaytoun O, Buscarini M. Comparative outcomes of Palmer, Umbilical Veress needle, and open entry techniques in robotic-assisted surgery: a propensity-matched analysis of 9482 patients. *J Robot Surg*. 2025;19(1):48. doi:10.1007/s11701-024-02208-x
2. Kolanukuduru KP, Dovey Z, Tillu N, **Venkatesh A**, Kotb A, Buscarini M, Zaytoun O. Reply to Editorial Comment on “Preoperative Computed Tomography Imaging Accurately Identifies Adrenal Gland Involvement In Patients With Renal Masses.” *Urology*. 2024;194:152-153. doi:10.1016/j.urology.2024.09.054
3. Kolanukuduru KP, Dovey Z, Tillu N, **Venkatesh A**, Kotb A, Buscarini M, Zaytoun O. Preoperative Computed Tomography Imaging Accurately Identifies Adrenal Gland Involvement In Patients With Renal Masses. *Urology*. 2024;194:146-149. doi:10.1016/j.urology.2024.08.005
4. Choudhary MK Kolanukuduru KP, Eraky A, Mohammed A, Tillu N, Sur H, Ohayon L, **Venkatesh A**, Rangchi A, Dovey Z, Zaytoun O, Buscarini M. Comparative Outcomes of En-Bloc Holmium Laser Enucleation of the Prostate and Transvesical Robot-Assisted Simple Prostatectomy for the Management of Benign Prostatic Hyperplasia: A Propensity-Matched Analysis. *J Endourol*. Published online November 26, 2024. doi:10.1089/end.2024.0601
5. Kolanukuduru KP, Tillu N, **Venkatesh A**, Zaytoun O, Buscarini M. Intraoperative complications during radical cystectomy: a detailed analysis of intraoperative vascular injuries. *Minerva Urol Nephrol*. Published online November 4, 2024. doi:10.23736/S2724-6051.24.06030-0
6. **Venkatesh A**, Probst P, Zaytoun O, Kolanukuduru KP, Karch DJ, Tillu N, Dovey Z, Wake R, Buscarini M. Refining Penile Trauma Management: Introduction of the Penile Trauma Score. *Urology*. 2024;193:224-229. doi:10.1016/j.urology.2024.07.045
7. Tillu N, Zaytoun O, Kolanukuduru K, **Venkatesh A**, Dovey Z, Choudhary M, Petitti T, Autorino R, Buscarini M. Analysis of early perioperative outcomes of robot-assisted radical cystectomy and colonic diversion. *J Robot Surg*. 2024;18(1):286. doi:10.1007/s11701-024-02047-w

8. Wang Y, **Venkatesh A**, Xu J, Xu M, Williams J, Smallwood PM, James A, Nathans J. The WNT7A/WNT7B/GPR124/RECK signaling module plays an essential role in mammalian limb development. *Dev Camb Engl*. 2022;149(9):dev200340. doi:10.1242/dev.200340
9. **Venkatesh A**, Wagner E, Klebe J, Schmidt J, Payvandi L, Karrowni W. A Rare Radial Artery Anatomic Variant: Look for the Pulse on the Dorsum of the Wrist! *JACC Cardiovasc Interv*. 2017;10(10):e93-e94. doi:10.1016/j.jcin.2017.02.026
10. **Venkatesh A**, Dupuis E, Prajapati V, Rao J. Generalized lichen spinulosus in a 4-year-old boy without systemic disease. *Arch Dermatol*. 2012;148(7):865-866. doi:10.1001/archdermatol.2012.188

Abstracts and Presentations

Arnold N, **Venkatesh A**, Andersen K, Getsy A, Passmore C. The Cockroach Hunter: A Robotic Implementation of Mantis Hunting Behavior. Poster presented at: Research ShowCASE 2016. April 15, 2016. Cleveland, OH

Accepted Abstracts for Future Presentation

- 2025 SESAUA Poster
 1. Association of somatic gene mutations in urothelial cancer based on location in the bladder
- 2025 AUA Podium Presentations
 1. Targeted degradation of aurora kinase A by novel compound SP-02-067 alters immune checkpoint expression in prostate cancer
 2. Refining penile trauma management: Introduction of the Penile Trauma Score
 3. An RMST-Based Analysis of Systemic Therapy in Muscle-Invasive Bladder Cancer

Extracurricular Activities

2022	Radiology Club <ul style="list-style-type: none"> • President • Creation and planning of events to fundraise and educate students about radiology. • Hosted anatomy review sessions for medical student exams
2012 - 2016	Case for Sight Executive Board <ul style="list-style-type: none"> • Senior – Vice President. Junior – Community Service Director. Sophomore – PR Director and Treasurer. Freshman – Freshman Representative.

- Campus vision impairment and ophthalmology advocacy group.
Hosted three large on campus events per year in addition to many smaller events focused on fundraising and awareness
- 2012 - 2016 Free Medical Clinic of Greater Cleveland
- Volunteer
 - Took patient histories and performed full eye exams
- 2015 Peru Medical Service Trip
- Conducted general medical exams on patients in rural Peruvian villages.

Interests

Photography, Cooking, Mountain Biking, Scuba Diving, Motorcycling, Home Automation, Coding

Languages

English: Proficiency Level: Native

Telegu: Proficiency Level: Conversant