Stanford

Aydin Zahedivash

Clinical Instructor, Pediatrics - General Pediatrics

CLINICAL OFFICE (PRIMARY)

- **Pediatrics**

  725 Welch Rd

  MC 5208

  Palo Alto, CA 94304

  Tel (650) 497-8000 **Fax** (650) 724-3243

Bio

CLINICAL FOCUS

- Pediatrics

ACADEMIC APPOINTMENTS

- Clinical Instructor, Pediatrics - General Pediatrics

PROFESSIONAL EDUCATION

- Board Certification: Pediatrics, American Board of Pediatrics (2023)
- Residency: Stanford University Pediatric Residency at Lucile Packard Children's Hospital (2023) CA
- Medical Education: University of Texas at Austin Registrar (2020) TX

PATENTS

- Thomas E. Milner, Austin McElroy, Aydin Zahedivash, Nitesh Katta. "United States Patent 11,779,220 Multi-Channel Orthogonal Convolutional Neural Networks", Research Development Foundation, Oct 10, 2023
- Livia Schiavinato Eberlin, Thomas Milner, Jialing Zhang, John Lin, John Rector, Nitesh Katta, Aydin Zahedivash. "United States Patent 11,756,778 Collection Probe and Methods for the use Thereof", The University of Texas System Board of Regents, Sep 12, 2023

Publications

PUBLICATIONS

- **Scalable Approach to Consumer Wearable Postmarket Surveillance: Development and Validation Study.** *JMIR medical informatics*

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- **Utility of smart watches for identifying arrhythmias in children.** *Communications medicine*

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- **Beyond mortality: early childhood development and COVID's impact.** *Pediatric research*
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- **UTILITY OF THE APPLE WATCH (R) FOR IDENTIFYING ARRHYTHMIAS IN CHILDREN**
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- **Implantable Cardioverter Defibrillators in Infants and Toddlers: Indications, Placement, Programming, and Outcomes.** *Circulation. Arrhythmia and electrophysiology*
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- **IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS IN INFANTS AND TODDLERS: INDICATIONS, PLACEMENT, PROGRAMMING AND OUTCOMES**
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- **Automated Coronary Plaque Characterization With Intravascular Optical Coherence Tomography and Smart-Algorithm Approach** *JACC-CARDIOVASCULAR IMAGING*
  Baruah, V., Zahedivash, A., Hoyt, T., McElroy, A., Vela, D., Buja, L., Cabe, A., Oglesby, M., Estrada, A., Antonik, P., Milner, T. E., Feldman, M. D.
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- **The bridge ventilator consortium - bringing trainees to the frontlines of innovation** *MEDICAL EDUCATION ONLINE*
  Hakimi, A. A., Zahedivash, A., Hong, E. M., Chen, L. Y., Heidari, A. E.
  2020; 25 (1): 1826887

- **Development of an open-access, web-based interactive tool to learn autonomic nervous system physiology and pharmacology** *ADVANCES IN PHYSIOLOGY EDUCATION*
  Zahedivash, A., Lee, M. W.
  2018; 42 (1): 64-67

- **Nondestructive tissue analysis for ex vivo and in vivo cancer diagnosis using a handheld mass spectrometry system** *SCIENCE TRANSLATIONAL MEDICINE*
  Zhang, J., Rector, J., Lin, J. Q., Young, J. H., Sans, M., Katta, N., Giese, N., Yu, W., Nagi, C., Suliburk, J., Liu, J., Bensussan, A., DeHoog, et al
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- **Histology-Validated Neural Networks Enable Accurate Plaque Tissue and Thin-Capped Fibroatheroma Characterization Through Intravascular Optical Coherence Tomography**
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- **Differences in forward angular light scattering distributions between M1 and M2 macrophages** *JOURNAL OF BIOMEDICAL OPTICS*
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