



## Sarah R. Williams MD, MHPE, ACC

Clinical Professor, Emergency Medicine

### CLINICAL OFFICE (PRIMARY)

- **Stanford Emergency Department**

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Kendra Stahl - Assistant Administrator

**Email** [klstahl@stanford.edu](mailto:klstahl@stanford.edu)

### Bio

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#### BIO

Sarah R. Williams, MD, MHPE, ACC is a Clinical Professor of Emergency Medicine. Her current focus is building a novel coaching program for the Department of Emergency Medicine and exploring ways to scale up coaching at an institutional level as her strategic initiative with the Stanford Medicine Leadership Academy. Sarah represents our department as the Specialty Career Advisor for Emergency Medicine at the Stanford University School of Medicine. Previously, Sarah was the Program Director for our Emergency Medicine Residency Program and oversaw the educational curriculum for the residents. She has been on faculty at Stanford since 2000. Sarah went to Cal as an undergrad (Go Bears!) and then started drinking the Stanford cool-aid, going to medical school here, the EM residency from 1997-2000, and the chief residency in 2000-2001. During 2000-2001 Sarah also developed version 1 of the EM Ultrasound Fellowship and was its inaugural fellow, and then went on to become the founding director of the EM Ultrasound Program at Stanford.

Dr. Williams also has a strong interest in medical education, leadership, and program building. She has worn all of the "hats" of residency leadership: Chief Resident, Assistant Program Director (APD), Associate PD, and finally, Program Director, overseeing the conversion of our program from a 3-year to a 4-year program. Sarah has also been active in helping coordinate and run several CME programs, including our national conference and developing a new series of interdisciplinary ultrasound CME courses. Sarah has both practical real-world experience in education as well as completing the ACEP Teaching Fellowship and the rigorous Masters Degree in Health Professions Education (MHPE) from UIC while continuing to work at Stanford full-time. Sarah leads our multidisciplinary Stanford Clinical Teaching Scholars Program, our medical education certificate program. Dr. Williams is also a certified professional coach.

Sarah's areas of expertise are medical education, professional development, coaching and mentorship, program building, and emergency ultrasound. Sarah also understands the challenges of combining an active academic career with family; she is a wife and mom of three boys. She was also the first member of her family to go to college and gets how hard the system can be... Sarah is happy to collaborate with colleagues with anything related to any of the above interests.

#### CLINICAL FOCUS

- Emergency Medicine
- Medical Education
- Coaching in Medical Education

- Emergency Ultrasound

## **ACADEMIC APPOINTMENTS**

- Clinical Professor, Emergency Medicine

## **ADMINISTRATIVE APPOINTMENTS**

- Faculty, SOMGEN 219 (Introduction to Medical Education), Stanford School of Medicine, (2019- present)
- SHC-Valley Care Strategic Plan: Research and Education Workgroup, In coordination with Office of the Dean, (2019- present)
- Program Director, Stanford Emergency Medicine Residency, (2015-2019)
- Co-Founder and Steering Committee, Clinical Teaching Scholars Program, (2014- present)
- Founder and Director Emeritus, Stanford Emergency Ultrasound Program, (2013- present)
- Course Director "21st Century Medicine: Utilizing Point-of-Care Ultrasound", Stanford School of Medicine, (2012-2013)
- Associate Residency Director, Stanford/Kaiser Emergency Medicine Residency, (2011-2015)
- National Board Examiner, American Board of Emergency Medicine, (2010-2017)
- Assistant Residency Director, Stanford/Kaiser Emergency Medicine Residency, (2007-2011)
- Course Director, "Xtreme Emergency Medicine" National CME Course, Stanford Division of Emergency Medicine, (2006-2008)
- Representative, Stanford/Kaiser Emergency Medicine Residency Program, Council of Residency Directors (National), (2005-2019)
- Fellowship Director, Emergency Medicine Ultrasound, Stanford Division of Emergency Medicine, (2004-2013)
- Director, Emergency Medicine Ultrasound Program, Stanford Division of Emergency Medicine, (2002-2013)
- Faculty, Emergency Medicine, Stanford Division of Emergency Medicine, (2000- present)

## **HONORS AND AWARDS**

- Educator of the Year Award, American College of Emergency Physicians, California Chapter (2014)
- Bedside Teacher of the Quarter Award, Stanford Division of Emergency Medicine (2008, 2004)
- Elected, Board of Directors, California Chapter of the American College of Emergency Physicians (2006)
- Bedside Teacher of the Year Award, Stanford Division of Emergency Medicine (2005)
- Chief Resident Appreciation Award, Stanford/Kaiser Emergency Medicine Residency Program (2001)
- Award for Outstanding Commitment to Academic Endeavors and Research, 1997-2000, Stanford/Kaiser Emergency Medicine Residency Program (2000)
- Elected, President, California Emergency Medicine Residents Association (1999-2000)
- 1st place, "Most Outstanding Senior Officer" in State of California, California Cadet Corps, California National Guard (1986)

## **PROFESSIONAL EDUCATION**

- Medical Education: Stanford University School of Medicine (1997) CA
- MHPE, University of Illinois at Chicago , Masters in Health Professions Education (2020)
- Residency: Stanford University Emergency Medicine Residency (2000) CA
- Fellowship, Stanford Emergency Medicine , Emergency Medicine Ultrasound (2001)
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2003)
- Fellowship, Stanford/Kaiser , Emergency Medicine Ultrasound (2001)
- Chief Resident, Stanford/Kaiser , Emergency Medicine (2001)
- MD, Stanford School of Medicine , Medicine (1997)
- BA, U.C. Berkeley , Biology and Psychology double major (1991)

## LINKS

- Emergency Medicine at Stanford: <http://emed.stanford.edu/>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Exploring ways to incorporate coaching into medical education.

Investigating ways to innovate medical education training across specialties.

Investigating applications of clinician-performed point-of-care ultrasound for emergency and critical care patients.

Improving safety of transitions of care between providers during sign-out.

## Teaching

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### COURSES

#### 2022-23

- Introduction to Medical Education: SOMGEN 219A (Win)

#### 2021-22

- Introduction to Medical Education: SOMGEN 219A (Win)

#### 2020-21

- Introduction to Medical Education: SOMGEN 219A (Win)

## Publications

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### PUBLICATIONS

- **Pitfalls in the Use of Ocular Ultrasound for Evaluation of Acute Vision Loss.** *journal of emergency medicine*  
Schott, M. L., Pierog, J. E., Williams, S. R.  
2013; 44 (6): 1136-1139
- **FOCUSED CARDIAC ULTRASOUND TRAINING: HOW MUCH IS ENOUGH?** *JOURNAL OF EMERGENCY MEDICINE*  
Chisholm, C. B., Dodge, W. R., Balise, R. R., Williams, S. R., Gharahbaghian, L., Beraud, A.  
2013; 44 (4): 818-822
- **Developing and Assessing Initiatives Designed to Improve Clinical Teaching Performance** *ACADEMIC EMERGENCY MEDICINE*  
Khandelwal, S., Bernard, A. W., Wald, D. A., Manthey, D. E., Fisher, J., Ankel, F., Williams, S. R., Szyld, D., Riddle, J., Ericsson, K. A.  
2012; 19 (12): 1350-1353
- **USE OF CADAVER MODELS IN POINT-OF-CARE EMERGENCY ULTRASOUND EDUCATION FOR DIAGNOSTIC APPLICATIONS** *JOURNAL OF EMERGENCY MEDICINE*  
Zaia, B. E., Briese, B., Williams, S. R., Gharahbaghian, L.  
2012; 43 (4): 683-691
- **D-Dimer Is Not Elevated in Asymptomatic High Altitude Climbers after Descent to 5340 m: The Mount Everest Deep Venous Thrombosis Study (Ev-DVT)** *HIGH ALTITUDE MEDICINE & BIOLOGY*  
Zafren, K., Feldman, J., Becker, R. J., Williams, S. R., Weiss, E. A., Deloughery, T.  
2011; 12 (3): 223-227
- **Acetazolamide fails to decrease pulmonary artery pressure at high altitude in partially acclimatized humans** *HIGH ALTITUDE MEDICINE & BIOLOGY*

- Basnyat, B., Hargrove, J., Holck, P. S., Srivastav, S., Alekh, K., Ghimire, L. V., Pandey, K., Griffiths, A., Shankar, R., Kaul, K., Paudyal, A., Stasiuk, D., Basnyat, et al  
2008; 9 (3): 209-216
- **Airway Ultrasound: Confirming Endotracheal Intubation with Color Doppler Ultrasound** *Academic Emergency Medicine*  
Williams SR, Gharahbaghian L, Wu T, Goodwin T, Harter K, Angelotti T, Jeffrey RB, Auerbach P  
2008; May (abstract)
  - **Ultrasonographic diagnosis of retinal detachment in the emergency department** *Ann Emerg Med.*  
Lewin MR, Williams SR, Ahuja Y  
2005; 45 (1): 97-8
  - **Confirmation of endotracheal intubation using color-Doppler ultrasound.** *2nd World Congress in Emergency and Critical Care Ultrasound, Abstract Book, 2006. Abstract 4*  
Williams SR, Wu T, Jeffrey B, Angelotti T, Auerbach PS
  - **Mastery learning improves simulated central venous catheter insertion by emergency medicine teaching faculty** *Academic Emergency Medicine Education & Training*  
Pokrajac, N., Schertzer, K., Roszczyński, K. N., Rider, A., Williams, S. R., Poffenberger, C. M., Gisondi, M. A.  
2021
  - **Comparison of the Standardized Video Interview and Interview Assessments of Professionalism and Interpersonal Communication Skills in Emergency Medicine.** *AEM education and training*  
Hopson, L. R., Dorfsman, M. L., Branzetti, J., Gisondi, M. A., Hart, D., Jordan, J., Cranford, J. A., Williams, S. R., Regan, L.  
2019; 3 (3): 259-68
  - **The Birth of a Return to work Policy for New Resident Parents in Emergency Medicine** *ACADEMIC EMERGENCY MEDICINE*  
Gordon, A., Sebok-Syer, S. S., Dohn, A. M., Smith-Coggins, R., Wang, N., Williams, S. R., Gisondi, M. A.  
2019; 26 (3): 317-26
  - **The Birth of a Return to Work Policy for New Resident Parents in Emergency Medicine.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*  
Gordon, A. J., Sebok-Syer, S., Dohn, A. M., Smith-Coggins, R., Wang, N. E., Williams, S. R., Gisondi, M. A.  
2019
  - **The Council of Emergency Medicine Residency Directors Speaker Evaluation Form for Medical Conference Planners.** *AEM education and training*  
Phillips, A. W., Diller, D., Williams, S., Park, Y. S., Fisher, J., Biese, K., Ufberg, J.  
2017; 1 (4): 340-45
  - **Caudal Edge of the Liver in the Right Upper Quadrant (RUQ) View Is the Most Sensitive Area for Free Fluid on the FAST Exam.** *The western journal of emergency medicine*  
Lobo, V., Hunter-Behrend, M., Cullnan, E., Higbee, R., Phillips, C., Williams, S., Perera, P., Gharahbaghian, L.  
2017; 18 (2): 270-280
  - **Reply.** *Journal of ultrasound in medicine*  
Kanaan, N. C., Lipman, G. S., Constance, B. B., Holck, P. S., Preuss, J. F., Williams, S. R.  
2016; 35 (2): 458-459
  - **Handoff Practices in Emergency Medicine: Are We Making Progress?** *ACADEMIC EMERGENCY MEDICINE*  
Hern, H. G., Gallahue, F. E., Burns, B. D., Druck, J., Jones, J., Kessler, C., Knapp, B., Williams, S.  
2016; 23 (2): 197-201
  - **Reply.** *Journal of ultrasound in medicine*  
Kanaan, N. C., Lipman, G. S., Constance, B. B., Holck, P. S., Preuss, J. F., Williams, S. R.  
2016; 35 (2): 456-457
  - **Optic Nerve Sheath Diameter Increase on Ascent to High Altitude Correlation With Acute Mountain Sickness** *JOURNAL OF ULTRASOUND IN MEDICINE*  
Kanaan, N. C., Lipman, G. S., Constance, B. B., Hoick, P. S., Preuss, J. F., Williams, S. R.  
2015; 34 (9): 1677-1682

- **Optic Nerve Sheath Diameter Increase on Ascent to High Altitude: Correlation With Acute Mountain Sickness.** *Journal of ultrasound in medicine*  
Kanaan, N. C., Lipman, G. S., Constance, B. B., Holck, P. S., Preuss, J. F., Williams, S. R.  
2015; 34 (9): 1677-1682
- **Development and Evaluation of Standardized Narrative Cases Depicting the General Surgery Professionalism Milestones.** *Academic medicine*  
Rawlings, A., Knox, A. D., Park, Y. S., Reddy, S., Williams, S. R., Issa, N., Jameel, A., Tekian, A.  
2015; 90 (8): 1109-1115
- **Prehospital Evaluation of Effusion, Pneumothorax, and Standstill (PEEPS): Point-of-care Ultrasound in Emergency Medical Services.** *The western journal of emergency medicine*  
Bhat, S. R., Johnson, D. A., Pierog, J. E., Zaia, B. E., Williams, S. R., Gharahbaghian, L.  
2015; 16 (4): 503-509
- **Change in Intraocular Pressure During Point-of-Care Ultrasound** *WESTERN JOURNAL OF EMERGENCY MEDICINE*  
Berg, C., Doniger, S. J., Zaia, B., Williams, S. R.  
2015; 16 (2): 263-68
- **Cardiac Echocardiography** *CRITICAL CARE CLINICS*  
Perera, P., Lobo, V., Williams, S. R., Gharahbaghian, L.  
2014; 30 (1): 47-?
- **Thoracic Ultrasonography** *CRITICAL CARE CLINICS*  
Lobo, V., Weingrow, D., Perera, P., Williams, S. R., Gharahbaghian, L.  
2014; 30 (1): 93-?
- **The FAST and E-FAST in 2013: Trauma Ultrasonography Overview, Practical Techniques, Controversies, and New Frontiers** *CRITICAL CARE CLINICS*  
Williams, S. R., Perera, P., Gharahbaghian, L.  
2014; 30 (1): 119-?
- **Sonographic Identification of Tube Thoracostomy Study (SITTS): Confirmation of Intrathoracic Placement.** *The western journal of emergency medicine*  
Jenkins, J. A., Gharahbaghian, L., Doniger, S. J., Bradley, S., Crandall, S., Spain, D. A., Williams, S. R.  
2012; 13 (4): 305-311
- **Drug storage and stability (revised), Paul S. Auerbach, editor** *Wilderness Medicine, Management of Wilderness and Environmental Emergencies, 5th edition*  
Williams SR, Nix D, Patel K  
2007
- **Ultrasonographic diagnosis of retinal detachment in the emergency department** *ANNALS OF EMERGENCY MEDICINE*  
Lewin, M. K., Williams, S. R.  
2005; 45 (1): 97-98
- **Regional vs systemic antivenom administration in the treatment of snake venom poisoning in a rabbit model: A pilot study** *Research Forum of the American-College-of-Emergency-Physicians*  
Norris, R. L., Dery, R., Johnson, C., Williams, S., Rose, K., Young, L., McDougal, L. R., Bouley, D., Oehlert, J., Thompson, R. C.  
ALLIANCE COMMUNICATIONS GROUP DIVISION ALLEN PRESS.2003: 231-35
- **Please see full list of publications on attached CV (1992-present).** *(Under photo above)*  
Williams SR  
1992