Stanford



Sarah R. Williams MD, MHPE, PCC, BCC

Clinical Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Emergency Department**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Afia Joarder, MS - COACHME Program Coordinator & EM General Operations

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Bio

BIO

Sarah R. Williams, MD, MHPE, PCC, BCC is a Clinical Professor of Emergency Medicine and a professional coach. She is a national leader in medical education and coaching and leads our institution-wide coaching initiative to democratize the availability of quality coaching in medical education (COACHME@Stanford: https://med.stanford.edu/content/sm/coachme.html). This program is now available to faculty at Stanford and beyond who seek to integrate the powerful tool of coaching into their impactful roles in medical education. For those seeking coaching certification, this program is an accredited training provider through the Center for Credentialing in Education; successful completion of the full workshop series may be applied towards the requirements to become a board certified coach (https://med.stanford.edu/coachme/coaching-certification-pathway.html). This synchronous virtual course series enhances accessibility while preserving real-time human connection. COACHME@Stanford was developed as Sarah's strategic initiative with the Stanford Medicine Leadership Academy.

Dr. Williams also leads our Stanford Health Professions Education and Scholarship (SHAPES) Program, Stanford TMA's medical education certificate program for Stanford faculty and trainees alike. This interdepartmental, intergenerational, and multidisciplinary program addresses multiple foundational topics of importance for educators and is a great professional development program at all career stages. It is designed to be feasible despite busy clinical schedules. https://med.stanford.edu/academy/programs/CTSS_Schedule.html

Within our department, Sarah co-directs our faculty mentorship program, heads our residency's coaching program, and supports our advanced clerkship coaching program. She represents our department as the Specialty Career Advisor for Emergency Medicine at the Stanford University School of Medicine.

Dr. Williams has worn all of the "hats" of residency leadership: Chief Resident, Assistant Program Director (APD), Associate PD, and finally, Program Director. She was our founding Ultrasound Fellowship Director. 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 the University of Illinois, Chicago. She went to UC Berkeley as an undergraduate and then to Stanford for medical school, residency, and fellowship.

Dr. Williams' areas of expertise are medical education, professional development, coaching and mentorship, program building, and emergency ultrasound. She understands the challenges of combining an active academic career with family; she is a wife and mom of three sons. She was also the first member of her family to go to college and gets how hard the road can be... Sarah is deeply grateful to all those who have partnered with her to make all this possible and remains commited to paying it forward!

CLINICAL FOCUS

- Emergency Medicine
- Medical Education
- Coaching in Medical Education
- Emergency Ultrasound

ACADEMIC APPOINTMENTS

- Clinical Professor, Emergency Medicine

ADMINISTRATIVE APPOINTMENTS

- Executive Director, COACHME@Stanford, The Coaching Office, Advancing Coaching in Healthcare and Medical Education, (2021- present)
- Director, SHaPES (previously CTSS), Stanford Health Professions Education and Scholarship Program, Clinical Teaching Scholars Seminars, (2019-present)
- 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)
- Specialty Career Advisor for Emergency Medicine, Stanford School of Medicine, (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)

HONORS AND AWARDS

- ACEP National Faculty Teaching Award, ACEP (American College of Emergency Physicians) (2024)
- 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

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.

Publications

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

- **Tips for developing a coaching program in medical education.** *Medical education online*
  Miller-Kuhlmann, R., Sasnal, M., Gold, C. A., Nassar, A. K., Korndorffer, J. R., Van Schaik, S., Marmor, A., Williams, S., Blankenburg, R., Rassbach, C. E.
  2024; 29 (1): 2289262

- **Assessing Team Performance: A Mixed-Methods Analysis Using Interprofessional in situ Simulation.** *The western journal of emergency medicine*
  Rider, A. C., Williams, S. R., Jones, V., Rebagliati, D., Schertzer, K., Gisondi, M. A., Sebok-Syer, S. S.
  2024; 25 (4): 557-564

- **Patient handoffs and multi-specialty trainee perspectives across an institution: informing recommendations for health systems and an expanded conceptual framework for handoffs.** *BMC medical education*
  Williams, S. R., Sebok-Syer, S. S., Caretta-Weyer, H., Katznelson, L., Dohn, A. M., Park, Y. S., Gisondi, M. A., Tekian, A.
  2023; 23 (1): 434

- **The OSSE: Development and validation of an "Objective Structured Supervision Evaluation".** *AEM education and training*
  Pokrajac, N., Roszczynialski, K. N., Rider, A., Poffenberger, C. M., Williams, S., Eakin, M. K., Sapp, R. W., Jenkins, E., Gisondi, M. A., Schertzer, K.
  2022; 6 (4): e10784

- **The OSSE: Development and validation of an "Objective Structured Supervision Evaluation"** *AEM EDUCATION AND TRAINING*
  Pokrajac, N., Roszczynialski, K. N., Rider, A., Poffenberger, C., Williams, S., Eakin, M., Sapp, R. W., Jenkins, E., Gisondi, M. A., Schertzer, K.
  2022; 6 (4)

- **A Brief Coaching Pilot Enhances Professional Identity Formation and Clinical Skills Acquisition During Emergency Medicine Clerkships Shortened by COVID-19.** *The western journal of emergency medicine*
  Dixon, W., Gallegos, M., Williams, S.
  1800; 23 (1): 30-32

- **Mastery learning improves simulated central venous catheter insertion by emergency medicine teaching faculty** *Academic Emergency Medicine Education & Training*
  Pokrajac, N., Schertzer, K., Rosczcnyialski, K. N., Rider, A., Williams, S. R., Poffenberger, C. M., Gisondi, M. A.
  2021

- **The Utility of Color Doppler to Confirm Endotracheal Tube Placement: A Pilot Study.** *The western journal of emergency medicine*
  Gildea, T. H., Anderson, K. L., Niknam, K. R., Gharahbaghian, L., Williams, S. R., Angelotti, T., Auerbach, P. S., Lobo, V.
  2020; 21 (4): 871–76

- **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
- **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., Fisher, J., Biese, K., Ufberg, J.
  2017; 1 (4): 340-345
- **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): 456-457
- **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): 458-459
- **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