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Clinical Associate Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**

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Bio

CLINICAL FOCUS

- Emergency Medicine

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Emergency Medicine

ADMINISTRATIVE APPOINTMENTS

- Faculty Director - Emergency Medicine Clinical Research Unit, Stanford Emergency Department, (2024- present)
- Ultrasound Fellowship Co-Director, Stanford Emergency Department, (2020- present)

PROFESSIONAL EDUCATION

- Board Certification: Focused Practice in Advanced Emergency Medicine Ultrasonography, American Board of Emergency Medicine (2024)
- Fellowship: Brigham and Women's Hospital Harvard Medical School (2018) MA
- MPH, Harvard T.H. Chan School of Public Health
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2017)
- Emergency Ultrasound Fellowship, Brigham and Women's Hospital
- Residency: Mount Sinai Beth Israel-Icahn School of Medicine at Mt Sinai (2016) NY
- Emergency Medicine Residency, Mount Sinai School of Medicine - Beth Israel
- Medical Education: Columbia University College of Physicians and Surgeons (2013) NY
- MD, Columbia College of Physicians and Surgeons

Publications

PUBLICATIONS

- **Creation of an Open-Access Lung POCUS Image Database for Deep Learning and Neural Network Applications.** *POCUS journal*
  Kumar, A., Nandakishore, P., Gordon, A. J., Baum, E., Madhok, J., Duanmu, Y., Kugler, J.

2026; 11 (1): 62-67

- **Patiromer utility as an adjunct treatment in patients needing urgent hyperkalaemia management (PLATINUM): a randomised controlled trial in the emergency department.** *BMJ open*
  Rafique, Z., Safdar, B., Duanmu, Y., Boone, S., Meltzer, A., Bischof, J. J., Robinson, D., Budden, J., Budd, J., Quinn, C. M., Milliet, C., Singer, A. J., Soto, et al
  2026; 16 (2): e105103

- **Woman with growing scalp mass.** *Journal of the American College of Emergency Physicians open*
  Gallegos, M., Ashenburg, N., Duanmu, Y.
  2024; 5 (4): e13227

- **Serratus anterior plane block improves pain and incentive spirometry volumes in trauma patients with multiple rib fractures: a prospective cohort study.** *Trauma surgery & acute care open*
  Sadauskas, V., Fofana, M., Brunson, D., Choi, J., Spain, D., Quinn, J. V., Duanmu, Y.
  2024; 9 (1): e001183

- **Patiromer utility as an adjunct treatment in patients needing urgent hyperkalaemia management (PLATINUM): design of a multicentre, randomised, double-blind, placebo-controlled, parallel-group study.** *BMJ open*
  Rafique, Z., Budden, J., Quinn, C. M., Duanmu, Y., Safdar, B., Bischof, J. J., Driver, B. E., Herzog, C. A., Weir, M. R., Singer, A. J., Boone, S., Soto-Ruiz, K. M., Peacock, et al
  2023; 13 (6): e071311

- **AI-ENABLED ASSESSMENT OF CARDIAC FUNCTION AND VIDEO QUALITY IN EMERGENCY DEPARTMENT POINT-OF-CARE ECHOCARDIOGRAMS.** *The Journal of emergency medicine*
  He, B., Dash, D., Duanmu, Y., Tan, T. X., Ouyang, D., Zou, J.
  2023

- **Beyond the Numbers: Assessing Competency in Point-of-Care Ultrasound.** *Annals of emergency medicine*
  Gottlieb, M., Duanmu, Y.
  2023

- **A consensus list of ultrasound competencies for graduating emergency medicine residents.** *AEM education and training*
  Haidar, D. A., Peterson, W. J., Minges, P. G., Carnell, J., Nomura, J. T., Bailitz, J., Boyd, J. S., Leo, M. M., Liu, E. L., Duanmu, Y., Acuña, J., Kessler, R., Elegante, et al
  2022; 6 (6): e10817

- **Evolving Paralysis after Motor Vehicle Collision.** *Clinical practice and cases in emergency medicine*
  Prendergast, N., Duanmu, Y.
  2022; 6 (3): 254-255

- **Less is more: Recommendations for achieving best practices in antibiotic use for acute upper respiratory infections** *JOURNAL OF THE AMERICAN COLLEGE OF EMERGENCY PHYSICIANS OPEN*
  Sills, J., Boccio, E., Govindarajan, P., Duanmu, Y.
  2022; 3 (3)

- **A Distance-Learning Approach to Point-of-Care Ultrasound Training (ADAPT): A Multi-Institutional Educational Response During the COVID-19 Pandemic.** *Academic medicine : journal of the Association of American Medical Colleges*
  Nix, K., Liu, E. L., Oh, L., Duanmu, Y., Fong, T., Ashenburg, N., Liu, R. B.
  2021

- **Point-of-Care Ultrasound Predicts Clinical Outcomes in Patients With COVID-19.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*
  Kumar, A., Weng, I., Graglia, S., Lew, T., Gandhi, K., Lalani, F., Chia, D., Duanmu, Y., Jensen, T., Lobo, V., Nahn, J., Iverson, N., Rosenthal, et al
  2021

- **Development of a Three-Dimensionally Printed Ultrasound-Guided Peripheral Intravenous Catheter Phantom.** *Cureus*
  Tan, T. X., Wu, Y. Y., Riley, I., Duanmu, Y., Rylowicz, S., Shimada, K.
  2021; 13 (8): e17139

- **Utilization of Point-of-care Echocardiography in Cardiac Arrest: A Cross-sectional Pilot Study.** *The western journal of emergency medicine*
  Wolfe, Y., Duanmu, Y., Lobo, V., Kohn, M. A., Anderson, K. L.

2021; 22 (4): 803-809

- **A randomized controlled trial of simulation-based mastery learning to teach the extended focused assessment with sonography in trauma.** *AEM education and training*
  Smith, S., Lobo, V., Anderson, K. L., Gisondi, M. A., Sebok-Syer, S. S., Duanmu, Y.
  2021; 5 (3): e10606

- **Utilization of Point-of-care Echocardiography in Cardiac Arrest: A Cross-sectional Pilot Study** *WESTERN JOURNAL OF EMERGENCY MEDICINE*
  Wolfe, Y., Duanmu, Y., Lobo, V., Kohn, M. A., Anderson, K. L.
  2021; 22 (4): 803-809

- **Using a Simulated Model and Mastery Learning Approach to Teach the Ultrasound-guided Serratus Anterior Plane Block to Emergency Medicine Residents: A Pilot Study.** *AEM education and training*
  Rider, A. C., Miller, D. T., Ashenburg, N., Duanmu, Y., Lobo, V., Schertzer, K., Sebok-Syer, S. S.
  2021; 5 (3): e10525

- **Lung Ultrasound Findings in Patients Hospitalized With COVID-19.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*
  Kumar, A., Weng, Y., Duanmu, Y., Graglia, S., Lalani, F., Gandhi, K., Lobo, V., Jensen, T., Chung, S., Nahn, J., Kugler, J.
  2021

- **Interobserver agreement of lung ultrasound findings of COVID-19.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*
  Kumar, A., Weng, Y., Graglia, S., Chung, S., Duanmu, Y., Lalani, F., Gandhi, K., Lobo, V., Jensen, T., Nahn, J., Kugler, J.
  2021

- **Development and validation of a novel prediction score for cardiac tamponade in emergency department patients with pericardial effusion.** *European heart journal. Acute cardiovascular care*
  Duanmu, Y., Choi, D. S., Tracy, S., Harris, O. M., Schleifer, J. I., Dadabhoy, F. Z., Wu, J. C., Platz, E.
  2021; 10 (5): 542-549

- **Visual Estimation of Tricuspid Annular Plane Systolic Excursion by Emergency Medicine Clinicians.** *The western journal of emergency medicine*
  Duanmu, Y., Goldsmith, A. J., Henwood, P. C., Platz, E., Hoyler, J. E., Kimberly, H. H.
  2020; 21 (4): 1022–28

- **Characteristics of Emergency Department Patients With COVID-19 at a Single Site in Northern California: Clinical Observations and Public Health Implications.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Duanmu, Y. n., Brown, I. P., Gibb, W. R., Singh, J. n., Matheson, L. W., Blomkalns, A. L., Govindarajan, P. n.
  2020

- **Correlation of OSCE performance and point-of-care ultrasound scan numbers among a cohort of emergency medicine residents.** *The ultrasound journal*
  Duanmu, Y., Henwood, P. C., Takhar, S. S., Chan, W., Rempell, J. S., Liteplo, A. S., Koskenoja, V., Noble, V. E., Kimberly, H. H.
  2019; 11 (1): 3

- **Correlation of OSCE performance and point-of-care ultrasound scan numbers among a cohort of emergency medicine residents** *ULTRASOUND JOURNAL*
  Duanmu, Y., Henwood, P. C., Takhar, S. S., Chan, W., Rempell, J. S., Liteplo, A. S., Koskenoja, V., Noble, V. E., Kimberly, H. H.
  2019; 11

- **Accuracy of Resident-Performed Point-of-Care Lung Ultrasound Examinations Versus Chest Radiography in Pneumothorax Follow-up After Tube Thoracostomy in Rwanda.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*
  Shumbusho, J. P., Duanmu, Y. n., Kim, S. H., Bassett, I. V., Boyer, E. W., Ruutiainen, A. T., Riviello, R. n., Ntirenganya, F. n., Henwood, P. C.
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