

Tom Fadial

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Employment/Education

Department of Emergency Medicine at McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth) (2018-Present)

- Assistant Professor
- Educational Technology and Innovation Officer

Harbor-UCLA Medical Center – Department of Emergency Medicine (6/2018)

- Chief Resident

University of California, Los Angeles – David Geffen School of Medicine (5/2014)

- Mellinkoff Scholar

State University of New York, University at Buffalo (6/2010)

- *Summa cum laude*
- B.S. Biomedical Sciences, B.A. Philosophy

Projects/Activities

Visual Abstracts Editor: Annals of Emergency Medicine (10/2018-present)

Developed new design, style guide, and development process for the visual abstract series in the Annals of Emergency Medicine.

Member: EB Medicine Emerging Leaders Council (12/2018-present)

Selected as one of twelve members of the EB Medicine Emerging Leaders Council tasked with shaping the future of emergency medicine education.

Member: Society for Academic Emergency Medicine, Social Media Committee (2/2019-present)

Member: Society for Academic Emergency Medicine, Web Evolutions Committee (2/2019-present)

Creator: ddxof (12/2012-present)

Created ddxof.com, a website focused on creating learning tools for education in emergency medicine. Features over 120 algorithms accessed by tens of thousands of users every month and published as a supplementary column in Emergency Medicine News.

Creator: ECG Stampede (2018-present)

Created ecgstampede.com, an exercise in ECG interpretation and triage. A web and mobile game to teach medical students and residents how to triage electrocardiograms in a simulated resource-limited setting.

Creator: u-sim (2014-present)

Created u-sim.org in collaboration with the UCLA Simulation Center. u-sim is a suite of applications built to help educators create, share and implement medical simulation scenarios. Presented at the International Meeting on Simulation in Healthcare, January 13th 2015.

Creator: i-pbl (2014-present):

Created i-pbl.com in collaboration with the David Geffen School of Medicine at UCLA Instructional Design and Technology Unit. i-pbl is an interactive problem-based learning module incorporated into the second-year curriculum

intended to guide medical students with the transition from pre-clinical to clinical years. The application features a web-based module which simulates an electronic medical record and guides students through common tasks like admission orders and pre-rounding.

Asynchronous Learning: Harbor-UCLA Department of Emergency Medicine (7/2016-6/2018):
Managed asynchronous learning for the Harbor-UCLA DEM residency program which included developing an educational website with curated content, learning resources, board-review materials and more. Also, developed the Harbor: Classroom, a robust learning management system providing residents with the opportunity to enroll in online courses with unique and interactive content.

Senior Assistant Editor: WikEM (7/2016-present):
Contributor to WikEM, a global emergency medicine wiki. Directed the WikEM Algorithm Project integrating ddxof content into WikEM.

Editor: The Point of Care Ultrasound (POCUS) Atlas (1/2019-present):
Editor of ThePOCUSAtlas.com and developer of the companion mobile application for the Evidence Atlas.

Harbor-UCLA, Future Care Leader: (2/2017)
Participated in master plan development for new hospital construction.

Quality Improvement, Airway Management Team: (1/2017)
Assisted with the development of a protocol for a new hospital-wide airway management team.

Awards/Grants

Educator of the Year (7/2019): McGovern Medical School Department of Emergency Medicine.

CORD Best Innovation (4/2019): Best Innovation Award for ECG Stampede.

SAEM's Got Talent (5/2018): Selected to present ddxof.com at the Society of Academic Emergency Medicine Annual Meeting.

LA BioMed Core Voucher Award (7/2017): Grant awarded for the development of a mobile companion application for ddxof.com.

Harbor-UCLA Best Resident Award (1/2017): Selected by rotating medical students as best teacher during their rotation.

Harbor-UCLA Sim Wars (10/2016): Member of the winning team at ACEP Sim Wars.

Papers/Presentations

Fadial T. ddxof: The Telltale Signs of a Blunt Cardiac Injury. Emergency Medicine News. 2019;41(5B).

Fadial T. ddxof: Mapping Out Motor Weakness. Emergency Medicine News. 2019;41(4B).

Fadial T. ddxof: When a Rash Is Deadly. Emergency Medicine News. 2019;41(3B).

Fadial T. ddxof: A Critical Black Eye. Emergency Medicine News. 2019;41(2C):1.

Fadial T. ddxof: Assault, then Seizures and a Complicated Course. Emergency Medicine News. 2018 Feb 13;40(2A):1.

Fadial T. ddxof: In the Zone for Penetrating Neck Trauma. Emergency Medicine News. 2018 Sep 18;40(9B):1.

Fadial T. ddxof: Is It CHF? Sepsis? Something Else? *Emergency Medicine News*. 2018;40 N2 -(3C).

Fadial T. ddxof: The Many Faces of NSVT. *Emergency Medicine News*. 2018 Jan 23;40(1B):1.

Fadial T. ddxof: Drugs May Be Different, but Treatment Is the Same. *Emergency Medicine News*. 2018 Jan 1;40(1):26.

Fadial T. ddxof: What Does Suprapubic Fullness and Vomiting Mean for This Patient? *Emergency Medicine News*. 2018 Apr 23;40(4C):1.

Fadial T. ddxof: Five Steps to Solving Hypotension. *Emergency Medicine News*. 2018 May 22;40(5C):1.

Fadial T. ddxof: What's Behind this Patient's Palpitations? *Emergency Medicine News*. 2018 Jun 26;40(6C):1.

Fadial T. ddxof: Tracing the Path of Pediatric Fever. *Emergency Medicine News*. 2018 Jul 17;40(7B):1.

Fadial T. ddxof: In the Zone for Penetrating Neck Trauma. *Emergency Medicine News*. 2018 Sep 18;40(9B):1.

Fadial T. ddxof: A Heart Condition without Warning. *Emergency Medicine News*. 2018 Aug 28;40(8C):1.

Fadial T. ddxof: What's Causing this Patient's Muscle Cramps? *Emergency Medicine News*. 2018 Oct 10;40(10A):1.

Fadial T. ddxof: When Does a Pediatric Foreign Body Ingestion Need Emergent Care? *Emergency Medicine News*. 2018;40 N2 -(11A).

Fadial T. ddxof: A Specific Disease with a Nonspecific Symptom. *Emergency Medicine News*. 2018 Dec 27;40(12C):1.

Fadial T, Huang YM, Noji. U-Sim: A Collaborative Online Scenario Builder Application. *International Meeting on Simulation in Healthcare*, January 13, 2015 (presented).

Fadial T, Relan A, Gu Z, Payne S. Modernizing Problem-Based Learning, Improving Medical Student Preparedness Through a Realistic and Interactive Learning Interface. *Senior Scholarship Day (David Geffen School of Medicine)*, March 16, 2014 (presented).

Fadial T, Service S, Teshiba T, Bearden CE, Freimer N. Creative Temperament Associated with Bipolar Disorder in a Genetically Isolated Population. *Josiah Brown Poster Fair (David Geffen School of Medicine)*, July 28, 2011 (presented).

Fadial T. Natural Kinds in Chemistry. *Denison University Episteme Conference*. Granville, OH, March 28, 2008 (presented).

Research *Activity*

Fadial T, Jang T. Improving Asynchronous Learning: Effect and Perceptions of a Web based Learning Management System for Emergency Medicine Residents. Harbor-UCLA Medical Center.

Fadial T, Yiju L, Yadav K, Lanks C, Hsia D. Comparison of Relative Accuracy of Three Ultrasound Transducers for the Detection of Pneumothorax. Harbor-UCLA Medical Center.

Fadial T, Relan A. Enhancing Diagnostic Reasoning Skills among Medical Trainees: Effect of Integrating Clinical Concept Maps in Problem Based Learning. David Geffen School of Medicine at UCLA.

Teaching Activity

McGovern Intern Orientation (7/2019-Present): Served as educator for multiple procedure training sessions for McGovern Med at UTHealth emergency medicine entering interns.

SimWars Coach (8/2018): Served as educator, coach and tutor for the McGovern Med at UTHealth emergency medicine SimWars team.

FOAMed Faculty Advisor (8/2018-Present): Supporting residents with elective activities related too Free Open Access to Medical Education.

Medical Student Preceptorship (8/2018-Present): Faculty educator for medical student preceptorship program.

Applied Anatomy College (5/2017): Resident teacher for Airway Lab session at the David Geffen School of Medicine at UCLA.

Emergency Medicine Procedures EM220.02 (8/2016): Resident teacher for Emergency Medicine Procedures Lab at the David Geffen School of Medicine at UCLA.