



Rebecca Stein-Wexler, M.D.

Philosophy of Care

I have been involved in radiology education for 19 years as well, initially as an attending radiologist at Bryn Mawr's radiology residency and then for the past 15 years as an attending radiologist at UC Davis (UCD). For the past 8 years I have served as UCD's Radiology Residency Director. My active involvement in global radiology education outreach began in February 2013, when I joined an ACR "Educate Haiti" trip as an invited speaker. While on that trip, I sought out both the pediatrics and the radiology residency directors, as I wanted to expand my education efforts to a developing nation.

Since that first trip, I have traveled to Haiti 3 times for week-long intensive education outreach. On these trips, I teach both radiology and pediatrics residents. I include residents from UCD on most trips, with the goal of building a future generation of radiologists with a strong interest in global outreach. I have recruited UCD faculty and our alumni to teach in Haiti as well. I have also lectured radiology residents being trained in five hospitals in the vicinity of Jeddah, Saudi Arabia and am planning additional trips to Malawi and Rwanda.

I strongly believe that education is sustainable in a way that on-site provision of medical services is not. I want to train radiologists and other health care practitioners in developing nations, so that they can then provide health care and also train future generations. I want the people I teach to make me obsolete.

Clinical Interests

Dr Stein-Wexler focuses her clinical interests on general pediatric imaging and in particular musculoskeletal imaging.

In addition, she is involved with global radiology education outreach in underserved areas. She has organized a collaboration between the UC Davis department of radiology and the only radiology residency in Haiti. This provides an opportunity for UC Davis faculty, alumni, and residents to teach in Haiti, and also an opportunity for the Haitian residents to visit UC Davis as observers. She teaches pediatric radiology education elsewhere as well (Saudi Arabia, Malawi, Rwanda), educating both clinicians and radiologists.

Research/Academic Interests

Intussusception Reduction: I mentored a group of bioengineering undergraduate students at UCD, helping them develop a device that simulates reducing intussuceptions. Almost half of all radiology residents will not be involved with an intussusception reduction procedure during their residency. However, many will be expected to reduce intussusceptions upon graduation. We developed an educational device that enables residents to practice reducing intussusceptions on a doll—under the guidance of an instructor. The student sees actual fluoroscopic images from intussusception reductions projected on a computer screen whenever they tap a simulated fluoro switch while they pump air into the doll. I have also conducted surveys of resident and fellow exposure to



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intussusception reduction along with surveys of international intussusception reduction practices.

I have also conducted research in the field of radiology dose reduction.

In addition, I have edited a major radiology text, Stein-Wexler R, Wootton-Gorges SL, Ozonoff MB. Pediatric Orthopedic Imaging. Springer publishers 2015 and am currently editing a resident-focused pediatric radiology review book, Top 3 Differential Diagnoses in Pediatric Radiology.

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Languages French, Italian, Spanish

Education M.D., University of Southern California School of Medicine, Los Angeles CA 1987
B.A., UC Berkeley, Berkeley CA 1979

Internships Kaiser Permanente Medical Center, Los Angeles CA 1988-1989

Residency Diagnostic Radiology, Fitzgerald Mercy Medical Center, Darby PA 1992-1995
Diagnostic Radiology, Kaiser Permanente Medical Center, Los Angeles CA 1989-1990



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Fellowships Pediatric Radiology, Alfred I. duPont Hospital for Children, Wilmington DE 1996-1997

Board Certifications American Board of Radiology, Diagnostic Radiology, 1995
American Board of Radiology, Pediatric Radiology, 2009
National Board of Medical Examiners, 1989

Professional Memberships RadAid International
Radiological Society of North America
Society of Pediatric Radiology

Honors and Awards Radiology teaching excellence awards, 2013
Phi Beta Kappa, UC Berkeley, 1982
Graduated with high honors (Magna Cum Laude) in English, distinction in general scholarship, UC Berkeley, 1979

Select Recent Publications Stein-Wexler R, Wootton-Gorges SL, Ozonoff MB. Pediatric Orthopedic Imaging. Springer publishers. 2015.

Sanchez TR, Daskal B, Stein-Wexler R. Nonsurgical management of childhood intussusception: retrospective comparison between sonographic and fluoroscopic guidance. J of Ultrasound, 2015; 34:59-63.

Sanchez TR, Lee JS, Coulter KP, Seibert JA, Stein-Wexler R, CT of the chest in suspected child abuse using Submillisievert radiation dose. Pediatr Radiol, published Online 06 Dec 2014.

Stein-Wexler R, O'Connor R, Daldrup-Link H, Wootton-Gorges, SL. Current methods for reducing Intussusception: survey results. Pediatr Radio, published Online Nov 2014.

Stein-Wexler R, Wootton-Gorges SL, Ozonoff MB. Pediatric Orthopedic Imaging. Springer publishers 2014.

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Stein-Wexler R, Sanchez T, Roper G, Wexler AS, Arieli PR, Clark H, Li JC, Ozpinar A, Soosman SK. An interactive teaching device simulating intussusception reduction. *Pediatr Radiol*. 40(11):1810-1815, November, Epub 2010 Jul 21.

Ton J, Stein-Wexler R, Yen P, Gupta M. Rib head protrusion into the central canal in type 1 neurofibromatosis. *Pediatr Radio*. 40(12):1902-1909, December, Epub 2010 Aug 3.

2009 Nelson RA, McNamara M, Ellis W, Stein-Wexler R, Moghaddam B, Zwerdling T. Floating-Harbor syndrome and intramedullary spinal cord ganglioglioma: Case report and observations from the literature. *Am J Med Genet A*. 2009 Sep 16. [Epub ahead of print]

2009 Stein-Wexler R. MR Imaging of soft tissue masses in children. *Magnetic Resonance Imaging Clinics of North America*, 17:489-507. (August 2009)

2008 Stein-Wexler R and Gerscovich E. Ultrasound of the pediatric spine. In: McGahan and Goldberg, *Diagnostic Ultrasound, second edition*. Informa healthcare.

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