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POST-GRADUATE TRAINING — GRADUATION

University of Texas, Southwestern | Dallas, TX — June 2021
Fellowship in Musculoskeletal Imaging and Intervention

Hospital of the University of Pennsylvania | Philadelphia, PA — June 2020
Residency in Diagnostic Radiology
Fellowship in Cardiovascular and Thoracic Radiology

Montefiore Medical Center, Albert Einstein College of Medicine | Bronx, NY — June 2016
Internship in General Surgery

EDUCATION

Drexel University College of Medicine | Philadelphia, PA — May 2015
Doctorate of Medicine

Drexel University College of Arts and Sciences | Philadelphia PA — June 2010
Bachelor of Science in Economics
Graduated in three years, with honors, with accelerated admission into medical school

CLINICAL EXPERIENCE

President, RVK Health — Jan 2023 - Present
Lab Director, VK Diagnostics
Musculoskeletal Center of Excellence, Department of Defense
Serving as lab director for a moderate complexity lab VK Diagnostics a medical lab which is part of RVK Healthcare group of companies. Building a musculoskeletal center of excellence for the Department of Defense in collaboration with Valor Network, the largest and most trusted defense contractor in the Defense Industrial Base.

Assistant Professor, Department of Radiology — July 2021 - Present
Assistant Professor, Department of Orthopedic Surgery — July 2021 - Present
University of Texas, Southwestern Medical Center | Dallas, TX
Appointed as an Assistant Professor (clinical educator track) within the Musculoskeletal Imaging and Intervention Division in the Department of Radiology with a secondary appointment in the Department of Orthopedic Surgery. My responsibilities include interpreting advanced CTs, MRs, XRays as well as performing image guided bone, joint and nerve procedures. As clinical faculty I am involved in the teaching of Fellows, Residents and Medical Students. Additionally, I have been using healthcare technology, including AI, to streamline clinical workflow, improve clinical care for patients and facilitate outcomes research. Transitioned to part time starting May 2023.

Musculoskeletal Radiology Fellow — July 2020 - June 2021
University of Texas, Southwestern Medical Center | Dallas, TX
Completed my Fellowship in Musculoskeletal Radiology at University of Texas, Southwestern Medical Center in Dallas, TX. During this year I gained experience in diagnostic and therapeutic multimodality image-guided biopsies and injections of bone, muscle and nerves. I was also involved with leading educational conferences within the Division and for the Texas Bone Club.

Diagnostic Radiology Resident — July 2016 - June 2020
University of Pennsylvania School of Medicine | Philadelphia, PA
American Board of Radiology Board Eligible | CORE Exam Passed June, 2019
Started Diagnostic Radiology Residency at Drexel University College of Medicine and then transferred to complete my training at the University of Pennsylvania School of Medicine. During R4 year, I also completed a dedicated one year

mini-fellowship within Cardiovascular and Thoracic Radiology. I have gained extensive experience in independently interpreting advanced CTs, MRIs, nuclear medicine and ultrasound studies as well as in performing Interventional Radiology procedures.

Surgical Intern July 2015 - June 2016
Montefiore Medical Center, Albert Einstein College of Medicine | Bronx, NY
Completed my surgical internship at Montefiore Hospital in Bronx, NY. During this year I gained exposure to a wide variety of surgical subspecialties including trauma, vascular, transplant, colorectal as well as cardiac and was directly involved in the care of ICU and post-operative patients. My experience of working within a busy inner city hospital caring for critically-ill patients helped me understand the socio-economic factors that limit access to healthcare.

Medical Student July 2013-May 2015
Kaiser Permanente | Northern California, CA
As a 3rd and 4th year medical student, I was selected to perform many of my clinical rotations at Kaiser Permanente in Northern California. I spent two years training with physicians in the Kaiser system, completing my rotations in medicine, surgery, pediatrics, OB/GYN, and psychiatry. During my clerkship, I also collaborated with a team of innovators at Google to help apply Google Glass technology intraoperatively in head and neck surgeries, as well as in surgical oncology procedures.

Medical Student July 2014-May 2015
Drexel University College of Medicine | Philadelphia, PA
As a 4th year medical student, I designed a smartphone platform to monitor the clinical status of patients with heart failure. My application won the 'Crowd Favorite' award at the Primary Care Challenge organized by the Center for Primary Care at Harvard Medical School and I launched a small pilot study within the Department of Cardiology at Drexel University College of Medicine.

PUBLICATIONS
Selected publications are listed. A full list is available upon request.

Kohli, Ajay, et. al "Concepts in U.S. Food and Drug Administration Regulation of Artificial Intelligence for Medical Imaging." April 2019
***American Journal of Roentgenology,* 213: 1-3.**
University of Pennsylvania, Perelman School of Medicine | Philadelphia, PA
Department of Radiology
Invited to write a piece entitled, "Concepts in U.S. Food and Drug Administration Regulation of Artificial Intelligence for Medical Imaging." for the *American Journal of Roentgenology*. This publication focused on the FDA review and approval process of new imaging technology, particularly in regards to artificial intelligence. This publication was also featured in the June 2019 *Radiology Business Journal.*

Kohli, Ajay, and Jha, Saurabh. "Why CAD Failed in Mammography." February 2018
***Journal of the American College of Radiology*, vol. 15, no. 3, 2018, pp. 535–537**.
University of Pennsylvania, Perelman School of Medicine | Philadelphia, PA
Department of Radiology
Editorial in collaboration with Dr. Saurabh Jha of the University of Pennsylvania School of Medicine analyzing the limitations of computer aided diagnosis technology and its applications in mammography. This publication was also featured in the *Radiology Business Journal*, February 2018.

Kohli, Ajay, et. al "Jejunojejunostomy Intussusception after Gastric Bypass: Case Report of a Rare but Serious Complication." December 2016
***International Journal of Surgery Case Reports.* vol. 30, 2017, pp. 101–102., doi:10.1016/j.ijscr.2016.10.068.**
Albert Einstein College of Medicine | New York, NY
Department of Surgery
Clinical case review with Dr. Anil Narula, Chair of Surgery at North Central Bronx Hospital, on imaging and clinical presentations of complications of patients' status post bariatric surgical procedures.

PRESENTATIONS:

'Radiology and AI for Global Health' December 2019
Radiology Society of North America Annual Meeting | Chicago, IL
Organized and hosted a session at RSNA titled 'Radiology and AI for Developing Countries' bringing together University of Pennsylvania Radiology, RAD-AID as well as multiple technology companies. The session included a panel of leaders in global health as well as technology to foster conversations on the implementation of advanced technology to increase access to medical care. As a direct result of this session, RAD-AID partnered with one of our technology partners to bring AI in breast imaging care to several different countries in Africa.

'Entrepreneurship and Innovative Medical Imaging Technology' November 2018
Radiology Society of North America Annual Meeting | Chicago, IL
Invited lecture on Artificial Intelligence at the RSNA Annual Meeting in November 2018. My presentation focused on how clinicians can work with engineers and data scientists to build health-technology, what determines a successful AI application, and how we can overcome some of the barriers limiting the application of AI technology in medical imaging.

'Artificial Intelligence: Implications for the Future of Radiology' September, 2018
September 2018 Pennsylvania Roentgen Ray Society Annual Meeting | Philadelphia, PA
Invited to speak on a panel session on 'Artificial Intelligence and Implications for the Future of Radiology' at the Pennsylvania Roentgen Ray Society Annual Meeting. The other invited co-panelists included Dr. Mitchell Schnall, Chairman, University of Pennsylvania Department of Radiology, Dr Devang Gor, Chairman of Radiology at Lehigh Valley Health Network and Dr. Paras Lakhani, Assistant Professor, Jefferson University Radiology.

'In the Firing Line' - Journal of the American College of Radiology Podcast May 2018
Society of Imaging Informatics in Medicine Annual Meeting | Baltimore, MD
Invited to speak about the funding of innovative technology in medical imaging.

Artificial Intelligence in Radiology: Lessons from the Financial Sector' November 2017
Radiology Society of North America Annual Meeting | Chicago, IL
Invited to speak at the plenary "Fast Five" session at the RSNA Annual Meeting in November 2017. I presented an overview of the lessons that can be learned from applying artificial intelligence in the financial sector to AI applications in medical imaging.

'Splenic Artery Embolization: Strategies for the Interventional Radiologist' May 2016
Global Embolization Symposium and Technologies | New York, NY
Presented with Dr. J. Cynamon, Assistant Professor of Interventional Radiology at Montefiore Medical Center, in a presentation on the strategies of managing splenic trauma for interventional radiologists and trauma surgeons.

'Wearable Technology in Facilitating Surgeon and Pathologist Communication - Cases of Cold Knife Biopsies' May 2015
International Federation of Gynecology and Obstetrics Conference (FIGO) | Vancouver, Canada
Launched a pilot study utilizing Google Glass technology to help facilitate communication between surgical operators and pathologists intraoperatively during cold knife ressections of gynecologic cancers. The purpose of this applied technology was to minimize surgical resection of healthy tissue, particularly in pre-menopausal women. Findings of this study were presented at the International Federation of Gynecology and Obstetrics (FIGO) Conference. Research was conducted at Drexel University College of Medicine, Department of Obstetrics and Gynecology under the supervision of Dr. Owen Montgomery, Chairman of the Ob/Gyn department.

'Google Glass in Head and Neck Surgery' September 2014
American Academy of Otolaryngology -- Head and Neck Surgery Annual Meeting | Orlando, FL

Collaborated with head and neck surgeons at Kaiser Permanente and engineers at Kaiser Permanente and Google on a project utilizing Google Glass technology in Head and Neck Surgery at Kaiser Permanente in Northern California. A proof of concept establishing wearable technology in surgery and critical care was published and presented at the American Academy of Otolaryngology -- Head and Neck Surgery Annual Meeting.

ENTREPRENEURIAL EXPERIENCE

Cancer Care Partner August 2016 - January 2017
Founder
Brought together a team of programmers, developers and clinicians to design a smartphone platform to help patients manage breast cancer symptoms. This platform specifically helps patients manage and understand their breast cancer imaging results as well as potential personalized treatment options, as outlined by the National Comprehensive Cancer Network. Additionally, it was aimed to help coordinate care amongst the patient's clinical team (radiologists, oncologists, radiation therapists and surgeons). This was presented at Harvard Medical School and won a grant from Philips Healthcare through the Philips Healthcare Chronic Care Challenge.

Heart Failure 2.0 July 2014 - December 2014
Founder
Designed a smartphone platform to monitor the clinical status of patients with heart failure. Utilizing clinical algorithms to track and analyze patient's symptoms and volume status, my application was designed to help improve the quality of life and minimize hospitalizations for patients with heart failure. My application won the 'Crowd Favorite' award at the Primary Care Challenge organized by the Center for Primary Care at Harvard Medical School and I launched a small pilot study within the Department of Cardiology at Drexel University College of Medicine.

Currency Management Models May 2007 - November 2009
Co-Founding Executive
As a co-founder of a start up venture, I worked with financiers and investors to examine economic models and tech products to streamline foreign exchange transactions for institutional investors. Through this endeavor, I experienced first hand the process of launching a start-up venture, including building products for customer needs, preparing pitch decks/fund-raising, working with investors and attracting customers, among several other core skills involved in building a start-up company.

REFERENCES

Available upon request