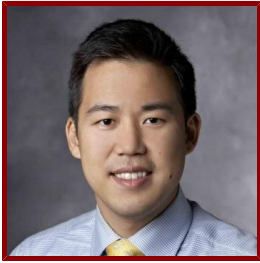


Stanford



Justin M Ko, MD, MBA

Clinical Associate Professor, Dermatology

CLINICAL OFFICES

- **Stanford Dermatology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Miriam Christoph - Administrative Assistant

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Bio

BIO

Dr. Ko joined Stanford Medicine in 2012 and serves as Director and Chief of Medical Dermatology for Stanford Health Care (SHC) while also spearheading the dermatology department's efforts around network development, telehealth and quality/safety/performance improvement. He is active in a number of leadership roles within the organization including co-chairing the Clinic Advisory Council, a forum of medical and executive leaders of Stanford Health Care's Ambulatory clinics, and as a Service Medical Director.

His passion for melanoma, early cancer detection, and improving care delivery drives his efforts and research around leveraging advances in machine learning and artificial intelligence to increase the breadth of populations that can be reached. He developed and runs a virtual teledermatology care delivery program at SHC, providing virtual visits for patients and remote consultations for providers within the network. He is currently working on collaborations and interventions that layer advances in deep learning on remote care capabilities to enhance access, quality and value of dermatologic care.

Dr. Ko has also been driven to find new treatments for alopecia areata, an immune-mediated condition that can progress to total hair loss through various clinical trials and translational research efforts. He sits on the clinical research advisory board of the National Alopecia Areata Foundation. This work in alopecia areata has also led to his role in helping to form a team centered around clinical and translational research efforts for atopic dermatitis.

He graduated magna cum laude from Harvard University and worked in investment banking; mergers and acquisitions at JP Morgan before going on to earn a combined medical and business degree at Tufts University. During medical school, he was a member of the Alpha Omega Alpha honor society. Dr. Ko then performed his residency at the Harvard Dermatology Residency Training Program where he served as chief resident.

CLINICAL FOCUS

- Dermatology
- Skin Cancer
- Alopecia Areata

- Telehealth
- Psoriasis
- Melanoma
- Screening for melanoma in high risk patients (family history, red hair, many moles)
- Laser Therapy of Medical Skin Conditions
- Vitiligo
- Artificial Intelligence and Machine Learning

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Dermatology

ADMINISTRATIVE APPOINTMENTS

- Director and Chief, Medical Dermatology, Stanford Health Care, (2012- present)
- Director of Network Development and Digital Health, Stanford Department of Dermatology, (2012- present)
- Co-Chair, Clinic Advisory Council, Stanford Health Care, (2018- present)
- Medical Director, Service Excellence, Stanford Health Care, (2018- present)
- Physician Leader, Safety, Quality and Performance Improvement, Department of Dermatology, Stanford University School of Medicine, (2017- present)
- Member, Ambulatory Value Optimization Committee, Stanford Health Care, (2018- present)
- Member, Access Management Guidance Team, Stanford Health Care, (2018- present)
- Member, Clinic Advisory Council, Stanford Hospital and Clinics, (2015- present)
- Physician Lead and Co-Chair, Clinic Performance Team 4, Stanford Hospital and Clinics, (2015-2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Research Advisory Council, National Alopecia Areata Foundation (2016 - present)

PROFESSIONAL EDUCATION

- Board Certification: Dermatology, American Board of Dermatology (2012)
- Chief Resident, Harvard Combined Dermatology Residency Training Program (2012)
- Residency: Massachusetts General Hospital (2012) MA
- BA, Harvard University , Magna Cum Laude (2002)
- MD, MBA, Tufts University School of Medicine , Alpha Omega Alpha (2008)

Research & Scholarship

CLINICAL TRIALS

- A Study of Baricitinib (LY3009104) in Participants With Severe or Very Severe Alopecia Areata, Recruiting
- A Study to Evaluate Upadacitinib in Adolescent and Adult Subjects With Moderate to Severe Atopic Dermatitis, Recruiting
- A Study to Evaluate Upadacitinib in Combination With Topical Corticosteroids in Adolescent and Adult Participants With Moderate to Severe Atopic Dermatitis, Recruiting
- Effect of Dupilumab (Anti-IL4R#) on the Host-Microbe Interface in Atopic Dermatitis, Recruiting
- Extension Study to Evaluate Safety and Efficacy of CTP-543 in Adults With Alopecia Areata, Recruiting
- SAR231893-LPS15497- "Dupilumab Effect on Sleep in AD Patients", Recruiting
- A Study of ATI-502 Topical Solution for the Treatment of Atopic Dermatitis, Not Recruiting

- A Study of Lebrikizumab in Patients With Moderate-to-Severe Atopic Dermatitis, Not Recruiting
- Study to Evaluate the Safety and Efficacy of CTP-543 in Adult Patients With Moderate to Severe Alopecia Areata, Not Recruiting
- Tofacitinib for the Treatment of Alopecia Areata and Its Variants, Not Recruiting

Publications

PUBLICATIONS

- **Inflammatory alopecia in patients on dupilumab: a retrospective cohort study at an academic institution.** *Journal of the European Academy of Dermatology and Venereology : JEADV*
Zhu, G. A., Kang, K. J., Chen, J. K., Novoa, R. A., Brown, R. A., Chiou, A. S., Ko, J. M., Honari, G.
2019
- **Artificial intelligence and dermatology: opportunities, challenges, and future directions** *SEMINARS IN CUTANEOUS MEDICINE AND SURGERY*
Schlessinger, D. I., Chhor, G., Gevaert, O., Swetter, S. M., Ko, J., Novoa, R. A.
2019; 38 (1): E31–E37
- **Implementation and evaluation of Stanford Health Care store-and-forward teledermatology consultation workflow built within an existing electronic health record system.** *Journal of telemedicine and telecare*
Kim, G. E., Afanasiev, O. K., O'Dell, C., Sharp, C., Ko, J. M.
2018: 1357633X18799805
- **Automated Classification of Skin Lesions: From Pixels to Practice.** *The Journal of investigative dermatology*
Narla, A., Kuprel, B., Sarin, K., Novoa, R., Ko, J.
2018; 138 (10): 2108–10
- **Dermatologist-level classification of skin cancer with deep neural networks.** *Nature*
Esteva, A., Kuprel, B., Novoa, R. A., Ko, J., Swetter, S. M., Blau, H. M., Thrun, S.
2017; 542 (7639): 115-118
- **Crowdsourcing dermatology: DataDerm, big data analytics, and machine learning technology.** *Journal of the American Academy of Dermatology*
Park, A. J., Ko, J. M., Swerlick, R. A.
2017
- **Safety and efficacy of the JAK inhibitor tofacitinib citrate in patients with alopecia areata.** *JCI insight*
Kennedy Crispin, M., Ko, J. M., Craiglow, B. G., Li, S., Shankar, G., Urban, J. R., Chen, J. C., Cerise, J. E., Jabbari, A., Winge, M. C., Marinkovich, M. P., Christiano, A. M., Oro, et al
2016; 1 (15)
- **Implementation and evaluation of Stanford Health Care direct-care teledermatology program.** *SAGE open medicine*
Pathipati, A. S., Ko, J. M.
2016; 4: 2050312116659089-?
- **A new era: melanoma genetics and therapeutics** *JOURNAL OF PATHOLOGY*
Ko, J. M., Fisher, D. E.
2011; 223 (2): 241-250
- **Pathways to Melanoma** *SEMINARS IN CUTANEOUS MEDICINE AND SURGERY*
Ko, J. M., Velez, N. F., Tsao, H.
2010; 29 (4): 210-217
- **Skin and bone: the pathogenetic relationship between psoriasis and psoriatic arthritis** *GIORNALE ITALIANO DI DERMATOLOGIA E VENEREOLOGIA*
Ko, J. M., QURESHI, A. W.
2010; 145 (3): 393-406
- **Paying for Enhanced Service Comparing Patients' Experiences in a Concierge and General Medicine Practice** *PATIENT-PATIENT CENTERED OUTCOMES RESEARCH*
Ko, J. M., Rodriguez, H. P., Fairchild, D. G., Rodday, A. M., Safran, D. G.
2009; 2 (2): 95-103

- **Induction and exacerbation of psoriasis with TNF-blockade therapy: A review and analysis of 127 cases** *JOURNAL OF DERMATOLOGICAL TREATMENT*
Ko, J. M., Gottlieb, A. B., Kerbleski, J. F.
2009; 20 (2): 100-108
- **Prospective assessment of computer-aided detection in interpretation of screening mammography** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Ko, J. M., Nicholas, M. J., Mendel, J. B., Slanetz, P. J.
2006; 187 (6): 1483-1491
- **The Alopecia Areata Investigator's Global Assessment (AA-IGA) scale: A measure for evaluating clinically meaningful success in clinical trials**
Wyrwich, K. W., Kitchen, H., Knight, S., Aldhouse, N. J., Macey, J., Nunes, F. P., Dutronc, Y., Mesinkovska, N. A., Ko, J. M., King, B. A.
MOSBY-ELSEVIER.2019: AB283
- **Marking the Path Toward Artificial Intelligence-Based Image Classification in Dermatology.** *JAMA dermatology*
Novoa, R. A., Gevaert, O., Ko, J. M.
2019
- **Assessment of the Development of New Regional Dermatoses in Patients Treated for Atopic Dermatitis With Dupilumab** *JAMA DERMATOLOGY*
Zhu, G., Chen, J. K., Chiou, A., Ko, J., Honari, G.
2019; 155 (7): 850-52
- **Repeat patch testing in a patient with allergic contact dermatitis improved on dupilumab.** *JAAD case reports*
Zhu, G. A., Chen, J. K., Chiou, A., Ko, J., Honari, G.
2019; 5 (4): 336-38
- **Artificial intelligence and dermatology: opportunities, challenges, and future directions.** *Seminars in cutaneous medicine and surgery*
Schlessinger, D. I., Chhor, G., Gevaert, O., Swetter, S. M., Ko, J., Novoa, R. A.
2019; 38 (1): E31-37
- **Commentary: Position Statement on Augmented Intelligence (AuI).** *Journal of the American Academy of Dermatology*
Kovarik, C., Lee, I., Ko, J.
2019
- **Assessment of the Development of New Regional Dermatoses in Patients Treated for Atopic Dermatitis With Dupilumab.** *JAMA dermatology*
Zhu, G. A., Chen, J. K., Chiou, A., Ko, J., Honari, G.
2019
- **Rebound effect associated with JAK inhibitor use in the treatment of alopecia areata.** *Journal of the European Academy of Dermatology and Venereology : JEADV*
Gordon, S. C., Abudu, M., Zancanaro, P., Ko, J. M., Rosmarin, D.
2018
- **The importance of eyebrows in the treatment of alopecia areata: An online questionnaire**
Liu, L., King, B., Ko, J.
MOSBY-ELSEVIER.2018: AB288
- **Challenges and recommendations for epigenomics in precision health** *NATURE BIOTECHNOLOGY*
Carter, A. C., Chang, H. Y., Church, G., Dombkowski, A., Ecker, J. R., Gil, E., Giresi, P. G., Greely, H., Greenleaf, W. J., Hacohen, N., He, C., Hill, D., Ko, et al
2017; 35 (12): 1128-32
- **A case and review of congenital leukonychia.** *Dermatology online journal*
Pathipati, A. S., Ko, J. M., Yost, J. M.
2016; 22 (10)
- **Validation of a Skin-Lesion Image-Matching Algorithm Based on Computer Vision Technology** *TELEMEDICINE AND E-HEALTH*
Chen, R. H., Snorrason, M., Enger, S. M., Mostafa, E., Ko, J. M., Aoki, V., Bowling, J.
2016; 22 (1): 45-50
- **Randomized Controlled Trial of Cryotherapy With Liquid Nitrogen vs Topical Salicylic Acid vs Wait-and-See for Cutaneous Warts** *ARCHIVES OF DERMATOLOGY*
Ko, J., Bigby, M.

2012; 148 (7): 840-842

- **A Randomized, Prospective Trial Evaluating Surgeon Preference in Selection of Absorbable Suture Material** *JOURNAL OF DRUGS IN DERMATOLOGY*
Lu, L. K., Ko, J. M., Lee, J., Krum, D. M., Price, L. L., Finn, D., Lee, D., Rogers, G. S.
2012; 11 (2): 196-201