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Dr. Katherine Au, MD

Board Certified in Plastic Surgery & Surgery of the Hand

*Double board-certified surgeon with more than 15 years of clinical expertise. Highly specialized in **adult and pediatric acute hand injuries**.*

EDUCATION

- **University of California - Berkeley, Berkeley, CA (1997)**
Bachelor of Arts, Molecular and Cellular Biology
- **Pennsylvania State College of Medicine, Hershey, PA (2003)**
Medical Degree
- **Penn State, Milton S. Hershey Medical Center, Hershey, PA (2003-2006)**
General Surgery Resident
- **Penn State, Milton S. Hershey Medical Center, Hershey, PA (2006-2008)**
Plastic Surgery Resident
- **University of California – Los Angeles, Los Angeles, CA (2008-2009)**
Hand and Microsurgery Fellowship

PROFESSIONAL EXPERIENCE

- **Shriners for Children Medical Center, Los Angeles – Hand and Plastic Surgery (2017 to current)**
- **Orthopedic Institute for Children, Los Angeles – Hand and Plastic Surgery (2010 to current)**
- **Shriners Hospital for Children, Los Angeles – Hand and Plastic Surgery (2009 to 2017)**

ACADEMIC APPOINTMENTS

- **Clinical Assistant Professor, UCLA Department of Orthopedics (2009-current)**
- **Clinical Assistant Professor, USC Division of Plastic Surgery (2010-current)**

LICENSURE AND CERTIFICATION

- Subspecialty of Surgery of the Hand Certificate (2011)
- Diplomate American Board of Plastic Surgery (2010)
- California Fluoroscopy License

PROFESSIONAL MEMBERSHIPS

- American Society of Plastic Surgeons
- American Society for Surgery of the Hand
- Pediatric Hand Study Group

HONORS AND AWARDS

- Southern California Super Doctors (2017)
- Southern California Rising Stars (2015)
- Southern California Rising Stars (2014)
- Southern California Rising Stars (2013)
- Dept. of Surgery Resident Professionalism/Humanism Award (2008)
- Steven H. Miller Outstanding Plastic Surgery Teaching Award (2007)
- Elan Pharmaceuticals Scholars of Surgery Award for ITSBE (2004)
- Alpha Omega Alpha Honor Society (2003)
- Penn State College of Medicine Dean's Award (2003)
- Dr. C. McCollister and Nancy L. Evarts Scholarship Award (2003)

RESEARCH & PUBLICATIONS

Au, K, Ehrlich, HP, (2010) When the Smad Signalling Pathway is Impaired, Fibroblasts Advance Open Wound Contraction. *Exp. Mol. Pathol.* 89(3):236-40.

Au, K, Meals, R, (2009) Review of Andrew Weiland, *Acute Management of Hand Injuries, J. Hand Surgery.* 34:5, 962.

Au, K, Hazard, SW, Miraliakbari, R, Boustred AM, Mackay, DR, (2008) Correlation of Complications of Body Contouring Surgery with Increasing Body Mass Index. *Aesthetic Surgery Journal.* 28:4 425-429.

Au, K, Mackay, DR, Ehrlich, HP, (2007) Does Rat Granulation Tissue Maturation Involve Gap Junction Communications? *Plast Recon Surg.* 120:1 91-99.

Au, S, **Au, K**, Karne, N, Saggars, G, Ehrlich, HP, (2006) Rat Mast Cells Communicate with Fibroblasts Via Gap Junction Intercellular Communications. *J. Cell. Biochem.* 10/24.

Au, K, & Boustred, AM, (2005) Local Necrotizing Skin Infections in an HIV Patient with Porphyrria Cutanea Tarda. *Plast. Recon. Surg.* 115:3 975-6.

Breckler, J, **Au, K**, Cheng, J, Hasson, T and Burnside, B (2000) Novel Myosin VI Isoform is Abundantly Expressed in Retina. *Exp. Eye Res.* 70, 121-134.

PRESENTATIONS

Local/Regional:

Ellis, C, **Au, K**, Pediatric Hand Burns: Experience with Plantar Split Thickness Grafts. American College of Surgeons- Southern California, Los Angeles, CA, 7/2011.

Au, K, Vangelisti, G, Ehrlich, HP, Phenylarsine oxide Promotes Uniform Tenocyte Orientation in Fibrin. Ivy Society of Plastic Surgeons, Valley Forge, Pennsylvania, 4/2008.

Au, K, Saggars, G, Allison, G, Ehrlich, HP, The Smad Signaling Pathway Action on Open Wound Repair. Robert H. Ivy Society of Plastic Surgeons, Hershey, PA, 3/2007.

Au, K, Cutroneo, K, White, S., and Ehrlich, HP, Granulation Tissue Response to Specifically Blocking Type I Procollagen Transcription. Northeastern Society of Plastic Surgeons. Boston, MA 12/2006.

Au, K, Cutroneo, K, White, S., and Ehrlich, HP, Granulation Tissue Response to Specifically Blocking Type I Procollagen Transcription. Combined Robert H. Ivy Society of Plastic Surgeons and Ohio Valley of Plastic Surgeons, Pittsburgh, PA 6/2006.

Winner of Best Basic Science Research Paper

Au, K, Mackay, DR, Ehrlich, HP, Oleamide Blocks Gap Junction Intercellular Communications and Retards the Maturation of Granulation Tissue. Ivy Society of Plastic Surgeons, Allentown, PA 4/2005.

Au, K, Mackay, DR, Ehrlich, HP, The Demonstration of Gap Junction Intercellular Communications Between Mast Cells and Fibroblasts in Rat Granulation Tissue. Northeastern Society of Plastic Surgeons, Naples, FL 01/2005.

Winner of Best Basic Science Research Paper

Miraliakbari, R, **Au, K**, Boustred AM, Mackay, DR, Correlation of Postoperative Complication Rate with Rise In Body Weight. Ivy Society of Plastic Surgeons 2003.

National:

Ngyuen, J, Lawrence, J, **Au, K**. The Krukenberg Procedure in the Pediatric Patient: A Case Series. American Society for Surgery of the Hand, Los Angeles, California 9/2016.

Ellis, C, **Au, K**, Pediatric Hand Burns: Experience with Plantar Split Thickness Grafts. American Society of Plastic Surgeons, Denver, CO, 9/2011.

Au, K, Saggars, G, Allison, G, Ehrlich, HP, The Smad Signaling Pathway Action on Open Wound Repair. Plastic Surgery Research Council, Stanford, California 6/2007.

Au, K, The Asian Beauty: Perspectives of a Chinese-American Female Plastic Surgery Resident, Aesthetic Skin Care Society, New York, NY, 4/2007.

Au, K, Cutroneo, K, White, S., and Ehrlich, HP, Levels of Type I Collagen Are Reduced in a Rat Model By Blocking Transcription with a TGF-B Element Oligonucleotide Decoy. Plastic Surgery Research Council, Dana Point, CA 5/2006.

Au, K, Saggars, G, Mackay, Dr, Ehrlich, HP, Mast Cells Increase Collagen Deposition and Enhance Collagen Organization in Vivo via Gap Junction Communications. Plastic Surgery Research Council, Toronto 5/2005.

Au, K, Mackay, DR, Ehrlich, HP, The Fatty Acid Oleamide Blocks Gap Junctional Intercellular Communications and Hinders Progression of Wound Repair. Plastic Surgery Research Council, Ann Arbor, MI 06/2004.

Abstract/Poster Presentations:

Ngyuen, J, Lawrence, J, **Au, K**. The Krukenberg Procedure in the Pediatric Patient: A Case Series. American Association of Hand Surgery, Scottsdale, AZ, 1/2016

Neves, RI, **Au, K**, Vangelisti, G, Augmentation Mastopexy with the Style 410 Anatomical Implants. 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K**, Vangelisti, G, The Use of Polyacrylamide Hydrogel in Reconstructive Surgery. 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K**, Vangelisti, G, A Ten-Year Experience Using the 410 Biodimensional System in Breast Augmentations. 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K**, Vangelisti, G, A Ten-Year Experience Using the 410 Biodimensional System in Breast Augmentations.
Plastic Surgery 2007, Baltimore, MD 10/2007.

Neves, RI, George, R, **Au, K**, Vangelisti, G, The Use of Polyacrylamide Hydrogel In Reconstructive Surgery.
American Society of Dermatologic Surgery, Chicago, IL 10/2007.

Au, S, **Au, K**, Saggars, G, Ehrlich, HP, Rat Mast Cells Communicate with Fibroblasts Via Gap Junction Intercellular Communications. American Society for Cell Biology, San Francisco, CA 12/2005.