

Howard K. Steinman, M.D.

Expert Witness Services

Mohs & Dermatologic Surgery, Cosmetic Dermatology

INTRODUCTION



Dr. Steinman provides expert witness services to both Plaintiff and Defendant in cases related Mohs surgery, dermatologic surgery and cosmetic dermatology. He is a board-certified dermatologist, fellowship-trained Mohs surgeon and cosmetic dermatologist with more than 35 years of clinical experience. He has expertise in managing complications associated with Mohs surgery, dermatologic surgery, chemical peels, dermal fillers, and botulinum injections.

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Lewisville, TX 75056

PERSONAL DATA

Date of Birth: July 15, 1955
Place of Birth: Los Angeles, CA

CERTIFICATION

American Board of Dermatology	1984, 2010
American Board of Cosmetic Surgery (Non-ABMS certifying board)	1997

LICENSURE

Texas Physician Full Permit

DEGREES

Doctor of Medicine Washington Univ. School of Medicine St. Louis, Missouri	1976-1980
Bachelor of Arts (Magna cum laude) Pomona College Claremont, California	1973-1976

POSTGRADUATE TRAINING

Fellowship:	Mohs Surgery & Dermatological Surgery University of Illinois at Chicago	1987 - 1988
Residency:	St. John's Hospital for Diseases of the Skin London, United Kingdom	1983 - 1984
	Clinical Assistant in Dermatology The Hospital for Sick Children London, United Kingdom	1983 - 1984
	Dermatology Resident University of California, San Diego	1981 - 1983
	Internal Medicine Resident University of California, Irvine	1980 - 1981

ACADEMIC POSITION

Adjunct Associate Professor of Surgery Campbell University School of Osteopathic Medicine Lillington, North Carolina	2017 - present
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PREVIOUS ACADEMIC POSITIONS

Associate Professor of Dermatology Texas A&M University Health Sciences Center College of Medicine	2009 - 2012
Assistant Clinical Professor of Dermatology (Voluntary) University of California, San Diego, School of Medicine	1989 - 2009
Assistant Clinical Professor of Dermatology (Full-time faculty) University of California, San Diego, School of Medicine	1984 - 1989
Chief, Dermatology Section Veterans Administration Medical Center, La Jolla, CA	1984 - 1987
Clinical Instructor, Department of Dermatology University of Illinois College of Medicine at Chicago	1987 - 1988

PREVIOUS ACADEMIC POSITIONS (Continued)

Clinical Tutor, The Institute of Dermatology 1983 - 1984
The University of London

AWARDS AND HONORS

Magna Cum Laude (Pomona College) 1976
Phi Beta Kappa (Pomona College), 1976
Alpha Kappa Delta (National Sociology Honor Society) 1976
Teacher of the Year Award 1984
Univ. of Calif., San Diego School of Medicine
Division of Family Medicine (First Recipient)
Channel 10 Leadership Award (KGTV, San Diego, CA) 1999
Director, Gang-Related Tattoo Removal Program,
Top Doctors Award 2004
San Diego County Medical Society & San Diego Magazine
Distinguished Service Award (First Recipient) 2005
American Society for Mohs Surgery
Volunteer Appreciation Award, Consultant Dermatologist
U.S. Olympic Training Center, Chula Vista, CA 2006 & 2007
Patients' Choice Award 2008
Honorary Membership 2008
Australasian College of Skin Cancer Medicine
Honorary Membership
Florida Society of Dermatologic Surgery, 2012 & 2019
Vitals Compassionate Doctor Award 2014
Texas Super Doctors (Texas Monthly Magazine) 2014 – 2021
Top Doctors in Texas, Texas Monthly Magazine 2017
Christian E. Radcliffe, MD Memorial Lectures 2020
Iowa State Dermatological Society
Association of Surgical Faculty Nomination 2023
American Academy of Dermatology

EMPLOYMENT HISTORY AFTER RESIDENCY

Chief, Dermatology Section 1984 - 1987
V.A. Medical Center, La Jolla

Mohs & Dermatological Surgery Fellowship 1987 - 1988
University of Illinois at Chicago

Assistant Clinical Professor of Dermatology 1984 - 1987
University of California, San Diego School of Medicine

EMPLOYMENT HISTORY AFTER RESIDENCY (Continued)

Private Practice South Bay Skin & Cancer Medical Group, Inc. Chula Vista, CA	1989 – 2003
Private (Solo) Practice MD Skin Esthetics Chula Vista, CA	2003 – 2009
Director of Dermatologic & Skin Cancer Surgery Department of Dermatology Scott and White Medical Center Temple, TX	2009 - 2012
Private Practice Skin Cancer and Surgery Center Irving, TX (Practice purchased by DermOne, Texas on 12/01/2013)	2012 - 2013
Private Practice DermOne Dermatology Centers Irving, Grand Prairie, and Mesquite, Texas	2014 - 2018
Private Practice U.S. Dermatology Partners Grapevine, Plano & Carrollton, Texas	2018 - 2021

PROFESSIONAL APPOINTMENTS

- | | |
|---|-------------|
| 1) Board of Directors
California Congress of Dermatological Societies | 1990 - 1991 |
| 2) Founder, First Secretary-Treasurer and President-Elect
San Diego Dermatologic Surgery Society | 1990 - 1991 |
| 3) President
San Diego Dermatologic Surgery Society | 1991 - 1992 |
| 4) President
American Society for Mohs Surgery | 1992 - 1993 |

PROFESSIONAL APPOINTMENTS (Continued)

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| 5) Allied Health Care/Patient Advocate Liaison Committee
American Academy of Dermatology | 1993 - 1997 |
| 6) Professional Conduct Committee
San Diego County Medical Society | 1993 - 1995 |
| 7) Executive Committee
American Academy of Dermatology Advisory Board | 1995 - 1996 |
| 8) Founder, Director & Faculty
American Society for Mohs Surgery
Fundamentals of Mohs Surgery Course | 1995 - 2019 |
| 9) Regulatory Issues Committee
American Academy of Dermatology | 1996 - 2000 |
| 10) Board of Directors
American Society for Mohs Surgery | 1996 - 1999 |
| 11) Founder and Program Director
Gang-Related Tattoo Removal Program
Sweetwater Union High School District
Sweetwater, CA | 1998 - 2004 |
| 12) Secretary/Treasurer and President-Elect
San Diego Dermatological Society | 1998 - 1999 |
| 13) President
San Diego Dermatological Society | 1998 - 1999 |
| 14) Board of Directors
California Academy of Cosmetic Surgery | 1999 - 2006 |
| 15) Board of Directors
California Society of Dermatology & Dermatological Surgery | 2000 - 2001 |
| 16) Nominating Committee
American Society for Mohs Surgery | 2005 - 2014 |
| 17) Board of Directors
American Society for Mohs Surgery | 2007 - 2015 |

PROFESSIONAL APPOINTMENTS (Continued)

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| 18) Editorial Advisory Board
Journal of Clinical and Aesthetic Dermatology | 2007 - 2015 |
| 19) Chief Surgical Editor
Dermatopedia.com | 2009 - 2012 |
| 20) Board of Directors
International Member
Australasian College of Cutaneous Oncology | 2015 - Present |
| 21) Global Melanoma Initiative
Founding member | 2022 - Present |

PROFESSIONAL SOCIETY FELLOWSHIPS AND MEMBERSHIPS

American Academy of Dermatology
American College of Mohs Surgery
Australasian College of Cutaneous Oncology
Noah Worcester Dermatological Society

PUBLICATIONS

- 1) Steinman, H.K. and Tuteur, P: Streptokinase/Streptodornase for skin testing. New England Journal of Medicine 300:46-47, 1979
- 2) Bernard, J.D., Owen, W.R., Steinman, H.K., et al: Inflammatory verrucous epidermal nevus: Epidermal protein analysis in four patients. Archives of Dermatology 120:214-215, 1984
- 3) Steinman, H.K., Griffiths, W.A.D., and Levene, G.M: Methotrexate in lieu of razoxane for incapacitating psoriasis. Lancet i:458-459, 1984
- 4) Steinman HK. Pathology quiz case 2. Bowenoid papulosis (BP). Arch Dermatol. 120:1508-9, 1984
- 5) Steinman, H.K. and Pappenfort, R.B: White piedra: A case report and review of the literature. Clinical and Experimental Dermatology 9:591-598, 1984
- 6) Logan, R., Feher, M.D., and Steinman, H.K: The prevalence of water induced itching. British Journal of Dermatology 111:734-736, 1984

PUBLICATIONS (Continued)

- 7) Steinman, H.K., Lovell, C.R., and Cronin, E: Immediate type hypersensitivity to *Crataegus monogyna* (hawthorne). Contact Dermatitis 11:321, 1984
- 8) Steinman, H.K. and Greaves, M.W: Aquagenic pruritus. Journal of the American Academy of Dermatology 13:91-98, 1985
- 9) Kligman, A.M., Greaves, M.W., and Steinman, H.K: Water induced itching without cutaneous signs: Aquagenic pruritus. Archives of Dermatology 122:183-186, 1986
- 10) Lotti, T.M., Steinman, H.K., Fabbri, P., et. al: Increased cutaneous fibrinolytic activity in aquagenic pruritus. International Journal of Dermatology 25:508-510, 1986
- 11) Stotts, J.S. and Steinman, H.K: Congenital segmental pigmented lesions. Archives of Dermatology 123:251, 1987
- 12) Young, L.C., Steinman, H.K: Acquired ichthyosis in a patient with acquired immunodeficiency syndrome and Kaposi's sarcoma. Journal of the Academy of Dermatology 16:395-396, 1987
- 13) Steinman, H.K., Kobza-Black, A., Lotti, T.M., et al: Polycythaemia rubra vera and water-induced pruritus: Blood histamine levels and cutaneous fibrinolytic activity before and after water challenge. British Journal of Dermatology 116:329-333, 1987.
- 14) Steinman, H.K: Water-induced pruritus. Clinics in Dermatology 5:41-48, 1987.
- 15) Cartwright, L.E. and Steinman, H.K: Malignant papillary mesothelioma of the tunica vaginalis testes: cutaneous metastases showing pagetoid epidermal invasion. Journal of the American Academy of Dermatology 17:887-890, 1987.
- 16) Stotts, J.S., Fang, M.L., Dannaker, C.J., and Steinman, H.S: Fenoprofen-induced toxic epidermal necrolysis. Journal of the American Academy of Dermatology 18:755-757, 1988.
- 17) Scully, P.A., Steinman, H.K., Kennedy, C., et al: A.I.D.S. related Kaposi's sarcoma displays differential expression of endothelial surface antigens. American Journal of Pathology 130:244- 251, 1988.
- 18) Cartwright, L.E. and Steinman, H.K: Rapidly growing, asymptomatic, subcutaneous nodules. Archives of Dermatology 124:1559-1564, 1988.
- 19) Fang, M.L., Astarita, R.W., and Steinman, H.K: Cardiac calcifications and yellow papules in a young man. Archives of Dermatology 124:1559-1564, 1988.

PUBLICATIONS (Continued)

- 20) Jones, J.C.R., Steinman, H.K. and Goldsmith, B.A: Hemidesmosomes (HDs), anchoring fibrils (AFs) and intermediate filaments (IFs) in basal cell carcinoma (BCC). Journal of Investigative Dermatology 93:662-671, 1989
- 21) Darmstadt, G.L. and Steinman, H.K: Mohs micrographic surgery of the head and neck. Western Journal of Medicine 152:153-158, 1990
- 22) Steinman, H.K: More on Mohs'. Western Journal of Medicine 153:665-6, 1990
- 23) Kasch, J.A., Steinman, H.K., Kakita, L.S., et al: How the AAD should meet the challenges of the future: establish a House of Delegates (Editorial). Journal of the American Academy of Dermatology 23:145-149, 1990
- 24) Steinman, H.K: Micrographic Surgery. Journal of Dermatologic Surgery and Cutaneous Oncology 20:88-9, 1994
- 25) Grimes, P.E., Atkin, D.H., Cook-Bolden, F.E., Rubin, M.G., and Steinman, H.K: Evaluating the risks and benefits of treatment modalities for hyperpigmentation. Skin & Aging September (suppl): 3-22, 2005
- 26) Steinman, H.K: A method for working with displeased patients – B.L.A.S.T. Journal of Clinical and Aesthetic Dermatology. 6:25-8, 2013
- 27) Steinman, H.K. and Dixon, A: Letter to The Editor: “Skin Cancer Is Skin Cancer”: Readers Counter Editorial, Urge Re-assessment of classifications. Practical Dermatology Sept, 2014:15
- 28) Anderson, S.J., Steinman, H.K., Mazzurco, J.D., et al: Prolonged adverse events following photodynamic therapy: regulatory implications. Journal of Drugs in Dermatology. 13:62-8, 2014
- 29) Dixon, A.J., Anderson, S.J., Mazzurco, J.D., and Steinman, H.K: Novel Photodynamic Therapy Does Not Prevent New Skin Cancers: Randomized Controlled Trial. Dermatologic Surgery 40:412-9; 2014
- 30) Dixon, A., Anderson, S., Steinman, H., et al: Sentinel lymph node biopsy has a limited role in melanoma management. Australian Family Physician 43:479-80; 2014
- 31) Dixon, A.J., Nirenberg A., Anderson, S., Steinman, H.K., Dixon, J.B: Sentinel lymph node biopsy – reply. Australian Family Physician 43:665-6, 2014

PUBLICATIONS (Continued)

- 32) Steinman, H.K., Dixon, A., Clever, H: The characteristics of Mohs surgery performed by dermatologists who learned the procedure during residency training or through post-graduate courses and observational preceptorships. Proceedings (Baylor University Medical Center) 29:119–123, 2016
- 33) Dixon A, Steinman H, Anderson A, et al: Routine usage of sentinel node biopsy must cease. British Journal of Dermatology 175:1340-1341, 2016
- 34) Dixon ZL, Dixon AJ, Anderson AJ, Dixon MP, Steinman HK, et al: Patients more likely to prefer surgery to novel photodynamic therapy. Journal of Clinical and Experimental Dermatology Research 7:358-61, 2016
- 35) Sandoval LF, Steinman H: An Aggressive microcystic adnexal carcinoma infiltrating the sternum. Journal of Drugs Dermatology 16:611-612, 2017
- 36) Dixon A, Steinman H, Anderson A, et al: Authors' response to a reply to: Re: Routine usage of sentinel node biopsy in melanoma management must cease. British Journal of Dermatology 177:579-580, 2017
- 37) Steinman HK, Dixon A, Zachary CB: Reevaluating Mohs surgery appropriate use criteria for primary superficial basal cell carcinoma. JAMA Dermatology 154:755-756, 2018
- 38) Steinman HK, Dixon A, Zachary CB: Mohs Appropriate Use Criteria for Superficial Basal Cell Carcinoma-Reply. JAMA Dermatology 155:396-397, 2019
- 39) Carley SK, Dixon A, Zachary CB, Steinman HK: Revised Mohs surgery care guidelines for squamous cell carcinoma in-situ are overdue. Dermatology Online Journal 5:2, 2019
- 40) Nirenberg A, Steinman H, Dixon J, Dixon A: Merkel Cell Carcinoma Update: The Case for Two Tumours. Journal of the European Academy of Dermatology Venereology 34:1425-1431, 2020
- 41) Nirenberg A, Steinman H, Dixon A: Melanoma Extravascular Migratory Metastasis: An Important Underrecognized Phenomenon. Journal of the European Academy of Dermatology Venereology 34:e598-e599, 2020
- 42) Steinman HK, Dixon A, Zachary CB. Commentary on "Superficial Basal Cell Cancers Demonstrate Higher Rates of Mixed Histology on High-Risk Anatomical Sites". Dermatologic Surgery 47:708-709, 2021
- 43) Nirenberg A, Steinman H, Dixon A: Keratoacanthoma: Update on the debate. American Journal of Pathology 43:305–307, 2021

PUBLICATIONS (Continued)

- 44) Steinman HK, Dixon A, Zachary CB. "Reply to 'Correlation of Basal Cell Carcinoma Subtype with Histologically Confirmed Subclinical Extension During Mohs Micrographic Surgery: A Prospective Multi-Center Study.'" Journal of the American Academy of Dermatology 87:e147-e148, 2022
- 45) Dixon AJ, Steinman HK, Kyrgidis A, et al. Improved methodology in determining melanoma mortality and selecting patients for immunotherapy. J Eur Acad Dermatol Venereol. 2023 Feb 14. doi: 10.1111/jdv.18951. Epub ahead of print. PMID: 36785984.
- 46) Dixon AJ, Steinman HK, Kyrgidis A, et al. Online prediction tools for melanoma survival: A comparison. J Eur Acad Dermatol Venereol. 2023 May 21. doi: 10.1111/jdv.19219. Epub ahead of print. PMID: 37210649.

BOOKS

- 1) Gross, K.G., Steinman, H.K., and Rapini, R: Mohs surgery: Fundamentals and techniques. Mosby, Inc., 1999
- 2) Gross, K.G. and Steinman, H.K: Mohs surgery and histopathology: Beyond the fundamentals. Cambridge University Press, 2009

BOOK CHAPTERS

- 1) Greaves, M.W., Black, A.K., Steinman, H., Koro, O. (1988). Urticaria: Recent Advances. In: Orfanos, C.E., Stadler, R., Gollnick, H. (eds) Dermatology in Five Continents. Springer, Berlin, Heidelberg.
- 2) Steinman, H.K. and Gross, K.G: Basic Mohs Technique, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 3) Steinman, H.K: Indications for Mohs surgery, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 4) Steinman, H.K: Mohs surgical techniques, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 5) Steinman, H.K: Mohs mapping, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999

BOOK CHAPTERS (Continued)

- 6) Steinman, H.K: Specimen transport and initial tissue processing, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 7) Gross, K.G. and Steinman, H.K: Basic approach to interpreting Mohs microscopic slides and basic microscope techniques, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 8) Steinman, H.K: Glossary of selected Mohs surgical terms, in Mohs surgery: Fundamentals and techniques Mosby, Inc., 1999
- 9) Steinman, D.A. and Steinman, H.K: Skin camouflage, in Atlas of Cosmetic Surgery, 2nd Edition Saunders Elsevier, Inc. 2009
- 10) Gross, K.G. and Steinman, H.K: Introduction, in Mohs surgery and histopathology: Beyond the Fundamentals Cambridge University Press, 2009
- 11) Steinman, H.K: Tissue preparation and chromocoding, in Mohs surgery and histopathology: Beyond the fundamentals Cambridge University Press, 2009
- 12) Steinman, H.K: Mohs mapping, in Mohs surgery and histopathology: Beyond the fundamentals Cambridge University Press, 2009
- 13) Gross, K.G. and Steinman, H.K: Forms and templates for Mohs surgery, in Mohs surgery and histopathology: Beyond the fundamentals Cambridge University Press, 2009

ABSTRACTS

- 1) Steinman, H.K. and Greaves, M.W: Aquagenic Pruritus: review of 29 cases. British Journal of Dermatology 111 (Suppl 26):15-16, 1984
- 2) Jones, J.C.R., Steinman, H.K. and Goldsmith, B.A: Hemidesmosomes (HDs), anchoring fibrils (AFs) and intermediate filaments (IFs) in basal cell carcinoma (BCC). Journal of Cell Biology 107:792A, 1988.
- 3) Steinman, H.K., Goldsmith, B.A., Jones, J.C.R: A study of hemidesmosomes, anchoring fibrils, and intermediate filaments in basal cell carcinoma. Journal of Dermatologic Surgery and Oncology 15:459, 1989
- 4) Adkisson, K. and Steinman, H.K: Pigmented dermatofibrosarcoma protuberans treated with Mohs micrographic surgery. Journal of the American Academy of Dermatology 64(Suppl 1): AB167, 2011.

ABSTRACTS (Continued)

- 5) Scruggs, J.M. and Steinman, H.K: Reduction of interoperative and postoperative pain with trans-wound nerve blocks during Mohs micrographic surgery. Journal of the American Academy of Dermatology 66(Suppl 1): AB211, 2012
- 6) McCrory, A., Butler, D.F., Fiala, K., Steinman, H.K: Use of high-dose-rate brachytherapy for treatment of recurrent keloids of the ear. Journal of the American Academy of Dermatology 66(Suppl 1): AB213, 2012

POSTER PRESENTATIONS

1. Adkisson, K. and Steinman, H.K: "Pigmented dermatofibrosarcoma protuberans treated with Mohs micrographic surgery." American Academy of Dermatology Annual Meeting, March, 2011
2. Scruggs, J.M. and Steinman, H.K: "Reduction of interoperative and postoperative pain with trans-wound nerve blocks during Mohs micrographic surgery. American Academy of Dermatology Annual Meeting, March, 2012
3. McCrory, A., Butler, D.F., Fiala, K., Steinman, H.K: Use of high-dose-rate brachytherapy for treatment of recurrent keloids of the ear. American Academy of Dermatology Annual Meeting, March, 2012

AUDIO MEDIA

1. Steinman, H.K: Cosmetic Camouflage. Dialogues in Dermatology 61(5), February 2008. American Academy of Dermatology
2. Greenberg, M. (Host) and Steinman, H.K. (Guest): "Breaking down BLAST: A way to console displeased patients." ReachMD Podcast. September, 2021. [https://reachmd.com/programs/dermconsult/breaking-down-blast-a-way-to-console-displeased-patients/12735/]

ELECTRONIC MEDIA

1. Steinman, H.K: "Mohs surgery." Dermatopedia.com; the dermatology guide for patients. March, 2009 <http://www.dermatopedia.com/mohs-surgery/>
2. Steinman, D.A. and Steinman, H.K: "Cosmetic Camouflage" Dermatopedia.com; the dermatology guide for patients. March, 2009 <http://www.dermatopedia.com/cosmetic-camouflage>