

CURRICULUM VITAE

R. JAMES KOCH, M.D., M.S.

EMPLOYMENT & APPOINTMENTS

Facial Plastic Surgeon
Koch Facial Plastic Surgery
Pao & Koch Aesthetic Plastic Surgery
San Mateo, CA
Castro Valley, CA
05/2019-

Facial Plastic Surgeon
California Skin Institute Medical Group
03/2018-04/2019

Facial Plastic Surgeon
Elite MD- Advanced Dermatology, Laser
and Plastic Surgery Institute
05/2014-11/2017

Consultant
Zeltiq Aesthetics, Allergan, AbbVie
08/2012-

Merz Aesthetics
10/2021-

Facial Plastic Surgeon and Chief Medical Officer
Golden Gate Surgical PC and Scientific Image Center
Management, Inc.
04/2006-07/2010

Associate Professor of Otolaryngology (Facial Plastic
Surgery)
Stanford University School of Medicine
07/2005-02/2006

Assistant Professor of Otolaryngology (Facial Plastic
Surgery)
Stanford University School of Medicine
07/1995-06/2005

Assistant Chief,
Otolaryngology Section
Surgical Service
Dept. of Veterans Affairs-

Palo Alto Health Care System
07/1997-02/2006

MEDICAL LICENSURE

California
Arizona
New York (inactive)
New Jersey (inactive)
North Carolina (inactive)

SPECIALTY BOARDS

Diplomate, American Board of Otolaryngology
Certificate # 4797 (5/95) (Lifetime Certification)

Diplomate, American Board of Facial Plastic &
Reconstructive Surgery (6/97) (Lifetime Certification)

Certified Physician Executive (CPE), Certifying
Commission in Medical Management (09/11).

HOSPITAL PRIVILEGES

Mills-Peninsula Medical Center (Sutter Health)

El Camino Hospital

San Leandro Surgery Center (Sutter Health)

Plastic Surgery Center, LLC

EDUCATION

M.D.	State University of New York at Buffalo School of Medicine <i>Cum Laude</i>	1989
M.S.	State University of New York at Buffalo Roswell Park Division <i>Degree Area: Natural Sciences/Immunology</i>	1983
B.A.	Colby College Waterville, Maine <i>Degree Area: Biology</i>	1981
	University of Vermont Burlington, Vermont	1979

POST-GRADUATE TRAINING

PGY 1 & 2 1989 - 1991	General Surgery Santa Barbara Cottage Hospital Santa Barbara, California (Program Director - George A. Higgins, MD)
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PGY 3, 4, 5
1991 - 1994

Otolaryngology- Head & Neck Surgery
State University of New York at Buffalo
Buffalo, New York
(Program Director - George T. Simpson, II, MD)

Fellowship
1994 - 1995

Facial Plastic & Reconstructive Surgery
Stanford University
Palo Alto, California

ACHIEVEMENT

"Outstanding Young Men of America" 1987
Selected by National Committee

Resident Research Travel Award 1989
Awarded while a medical student
Association for Research in Otolaryngology

Cum Laude 1989
Doctor of Medicine
SUNY at Buffalo School of Medicine

Norman Haber Memorial Award 1989
Awarded to the graduating medical student
who displays "proficiency in Otolaryngology"
SUNY at Buffalo School of Medicine

First Place - Resident Research Competition 1992
Awarded as a PGY-3
SUNY at Buffalo Dept of Otolaryngology

First Place - Resident Research Competition 1993
Awarded as a PGY-4
SUNY at Buffalo Dept of Otolaryngology

Triological Society Resident Award Winner 1994
Eastern Section 1994 Meeting
Ottawa, Canada

Baxter Foundation 1998
Faculty Research Award Alternate
Stanford University
Stanford, California

Service Recognition Award 1998
Dept. of Veterans Affairs-
Palo Alto Health Care System

Vice President Award Winner 1999
Best paper submitted in 1999 to

**American Laryngological, Rhinological &
Otolological Society** (with Dr. Elbert Cheng)
Orlando, Florida

Vice President Award Winner Best paper submitted in 2000 to American Laryngological, Rhinological & Otolological Society (with Dr. Anthony Mikulec) Rancho Del Mar, California	2000
Service Recognition Award Dept. of Veterans Affairs- Palo Alto Health Care System	2000
Dept of Veterans Affairs FY2000 Young Investigator Award Honorable Mention Palo Alto, California	2000
Excellence In Teaching Award "Teacher of the Year" by Resident vote Stanford University Division of Otolaryngology-Head & Neck Surgery	2001
First Place Award 17th Annual Bay Area Residents' Research Symposium in Otolaryngology-Head & Neck Surgery (with Dr. Anthony Mikulec) Oakland, California	2001
Resident Advocacy Award Faculty "Resident Advocate" by Resident vote Stanford University Department of Otolaryngology-Head & Neck Surgery	2005
America's Top Plastic Surgeons Consumers' Research Council of America	2013
America's Top Plastic Surgeons Consumers' Research Council of America	2014
America's Top Plastic Surgeons Consumers' Research Council of America	2015
Top 100 Health Professionals International Biographical Centre	2016
America's Top Plastic Surgeons Consumers' Research Council of America	2016

America's Top Plastic Surgeons 2017
Consumers' Research Council of America

America's Top Plastic Surgeons 2018
Consumers' Research Council of America

EDITORIAL OFFICES

Editorial Board

Facial Aesthetic Communications in Europe (F.A.C.E.)
Kugler Publications, The Netherlands
1996-2003

Editorial Review Panel

Otolaryngology-Head & Neck Surgery
Mosby-Year Book, St. Louis, Mo
1997-2000

Contributing Editor (for Facial Plastic Surgery)

Dermatologic Surgery
Elsevier Science, Orlando, FL
1996-

Ad Hoc Reviewer - Journals

Wound Repair and Regeneration
Mosby-Year Book, St. Louis, Mo
1997-

Otolaryngology-Head & Neck Surgery
Mosby-Year Book, St. Louis, Mo
1997-

Archives of Facial Plastic Surgery
American Medical Association, Chicago, IL
1999-

Clinical and Experimental Dermatology
Blackwell Science Ltd., Oxford, UK
2000-

Plastic & Reconstructive Surgery
Lippincott Williams & Wilkins, Philadelphia, PA
2001-

American Journal of Clinical Dermatology
Adis International Inc., Langhorne, PA
2002-

Biotechnology and Bioengineering
John Wiley & Sons, Hoboken, NJ
2003-

Archives of Dermatology
American Medical Association, Chicago, IL
2003-

European Journal of Pharmacology
Elsevier, Amsterdam, The Netherlands
2004-

Otology and Neurotology
Lippincott Williams & Wilkins, Philadelphia, PA
2004-

Annals of Biomedical Engineering
Kluwer, Dordrecht, The Netherlands
2004-

Lasers in Surgery & Medicine
John Wiley & Sons, Hoboken, NJ
2005-

Osteoarthritis and Cartilage
Elsevier, Amsterdam, The Netherlands
2005-

Histology and Histopathology
Jimenez-Godov, S.A., Murcia, Spain
2005-

Expert Opinion on Emerging Drugs
Ashley Publications Ltd, London, UK
2005-

Ad Hoc Reviewer - Grants
U.S. Civilian Research and Development Foundation
Arlington, VA
2004-

Projects Committee of the University of Padova
Padua, Italy
2004-

Alberta Heritage Foundation for Medical Research
Edmonton, AB
2004-

Assistant Editor
Internet Web Site of the American Academy of Facial
Plastic and Reconstructive Surgery
1996-1998

**COSMETIC DEVICE
ADVISORY BOARDS**

Coapt Medical Advisory Board
Coapt Systems, Inc, Palo Alto, CA
1998-2003

Thermage Scientific Advisory Board
Thermage, Inc, Hayward, CA
1998-2004

**MEDICAL DEVICE
PATENTS**

“Certain Radiofrequency Microneedle Dermatological Treatment Devices and Components Thereof”
(Investigation No. 337-TA-1112)
Non-Infringement Expert for Lumenis Ltd. & Pollogen Ltd.
in a Section 337 Investigation and parallel litigation
regarding radiofrequency skin treatment devices. Testified
at the US International Trade Commission in Washington,
DC
2018-2019

PUBLICATIONS

BOOKS & MONOGRAPHS

1. **Koch, R.J.**, ed: Minimally Invasive Surgery. In: *Facial Plastic Surgery Clinics of North America*, W.B. Saunders, Philadelphia, August 2001.
2. **Koch, R.J.**, ed: Non-Invasive Cosmetic Procedures. In: *Thomas Procedures in Facial Plastic Surgery* (Thomas, J.R., ed.) New York, People's Medical Publishing House, May 2012.

BOOK CHAPTERS

1. **Koch, R.J.**: The Luxar Laser System. In: *Lasers in Aesthetic Surgery* (Keller, G.S., Lacombe, V.C., Lee, P.K., Watson, J.P., eds.), Thieme, New York, pp. 112 – 118, 2001.
2. **Koch, R.J.**: The Derma 20 Erbium:YAG Laser. In: *Lasers in Aesthetic Surgery* (Keller, G.S., Lacombe, V.C., Lee, P.K., Watson, J.P., eds.), Thieme, New York, pp. 124 – 130, 2001.
3. **Koch, R.J.**: Laser Skin Resurfacing. In: *Laser Skin Resurfacing and Cosmetic Facial Surgery: Point and Counterpoint* (Grevelink, J.M. & Moy, R., eds.), Martin Dunitz, September 2001.

4. **Koch, R.J.:** Surgery of the Upper Third of the Face: Applied Anatomy and Aesthetic Considerations. In: *Facial Plastic and Reconstructive Surgery* (Toriumi, D.M., ed.), Lippincott Williams & Wilkins, Philadelphia, In Press.
5. **Koch, R.J. & Goode, R.L.:** Direct Cervical Skin Excision. In: *Facial Plastic and Reconstructive Surgery* (Toriumi, D.M., ed.), Lippincott Williams & Wilkins, Philadelphia, In Press.
6. **Koch, R.J. & Greene, D.:** Reconstruction of the Aerodigestive Tract: Basic Principles & Goals. In: *Facial Plastic and Reconstructive Surgery* (Toriumi, D.M., ed.), Lippincott Williams & Wilkins, Philadelphia, In Press.
7. **Koch, R.J. & Hanasono, M.M.:** Aesthetic Facial Analysis. In: *Facial Plastic and Reconstructive Surgery 2nd Edition* (Papel, I.D. et al., eds.), Thieme, New York, pp. 135-144, 2002.
8. **Koch, R.J. & Banthia, V.:** Laser Resurfaced Facial Skin. In: *Essential Tissue Healing of the Face and Neck* (Hom, D.B. et al., eds.), BC Decker, Hamilton, Ontario, 2007.
9. **Koch, R.J. & Hanasono, M.M.:** Aesthetic Facial Analysis. In: *Facial Plastic and Reconstructive Surgery 3rd Edition* (Papel, I.D. et al., eds.), Thieme, New York, pp. 177 – 188, 2009.
10. **Koch, R.J.:** Non-Ablative Facial Skin Rejuvenation. In: *Facial Plastic and Reconstructive Surgery 3rd Edition* (Papel, I.D. et al., eds.), Thieme, New York, pp. 331 – 336, 2009.
11. **Banthia, V. & Koch, R.J.:** Laser Skin Resurfacing. In: *Non-Invasive* (Koch, R.J., ed.). In: *Fundamentals in Facial Plastic Surgery* (Thomas, J.R., ed.) Philadelphia, Elsevier, In Press.
12. **Banthia, V. & Koch, R.J.:** Non-Ablative Lasers and Lights. In: *Non-Invasive* (Koch, R.J., ed.). In: *Fundamentals in Facial Plastic Surgery* (Thomas, J.R., ed.) Philadelphia, Elsevier, In Press.
13. **Koch, R.J. & Kim, B.:** Laser Skin Tightening. In: *Non-Invasive* (Koch, R.J., ed.). In: *Fundamentals in Facial Plastic Surgery* (Thomas, J.R., ed.) Philadelphia, Elsevier, In Press.
14. **Koch, R.J. & So, T.Y.:** Radiofrequency Tissue Tightening. In: *Non-Invasive* (Koch, R.J., ed.). In: *Fundamentals in Facial Plastic Surgery* (Thomas, J.R., ed.) Philadelphia, Elsevier, In Press.
15. **Hanasono, M.M. & Koch, R.J.:** Microdermabrasion. In: *Non-Invasive* (Koch, R.J., ed.). In: *Fundamentals in Facial Plastic Surgery* (Thomas, J.R., ed.) Philadelphia, Elsevier, In Press.

16. **Koch, R.J.** & Hanasono, M.M.: Aesthetic Facial Analysis. In: Facial Plastic and Reconstructive Surgery 4th Edition (Papel, I.D. et al., eds.), Thieme, New York, pp. 129 – 138, 2016.

ARTICLES IN PEER REVIEWED JOURNALS

1. Brodsky, L. S. & **Koch, R. J.** : Anatomic Correlates of Normal and Diseased Adenoids in Children. *Laryngoscope* 102:1268-1274, 1992.
2. Brodsky, L. S. & **Koch, R. J.** : Bacteriology and Immunology of Normal and Diseased Tonsils in Children. *Arch Otolaryngol Head Neck Surg* 119:821-829, 1993.
3. **Koch, R. J.** & Brodsky, L. S.: Effect of Specific Bacteria on Lymphocyte Proliferation in Diseased and Non-Diseased Tonsils. *Laryngoscope* 103:1020-1026, 1993.
4. Lore', J.M., **Koch, R.J.** et al. : Approaches to the Superior Mediastinum for the Head and Neck Surgeon. *Oper Tech Otolaryngol Head Neck Surg* Vol 5, No 2 (Jun), 1994; pp 73-84.
5. **Koch, R. J.** & Brodsky, L. S.: Qualitative and Quantitative Immunoglobulin Production by Specific Bacteria in Chronic Tonsillar Disease. *Laryngoscope*. 105:42-48, 1995.
6. Lore', J.M., Martin, P.T., **Koch, R.J.**, Sittitrai, P. & Sundquist, N.: Access to the Superior Mediastinum. *Am J Surg* 169(3):348-354, 1995
7. Nasri, S., Newman, J.P., Goode, R.L & **Koch, R.J.**: Combined Use of Superpulsed CO2 Laser and Cryotherapy for Treatment of Facial Rhytids. *Arch Otolaryngol Head Neck Surg* 122:1169-1173, 1996.
8. Brennan, H.G. & **Koch, R.J.**: Management of the Aging Neck. *Facial Plast Surg* 12(3):241-255, 1996.
9. Newman, J.P., LaFerriere, K.A., **Koch, R. J.**, Nishoika, G.J. & Goode, R.L.: Transcalvarial Suture Fixation for Endoscopic Brow and Forehead Lifts. *Arch Otolaryngol Head Neck Surg* 123(3):313-317, 1997.
10. **Koch, R.J.**: Laser Cosmetic Skin Resurfacing. *Facial Aesthetic Communications in Europe (F.A.C.E.)* 5(1):1-9, 1997.
11. **Koch, R. J.**, Goode R.L. & Simpson, G. T.: Serum-free Fibroblast Cell Culture: An In Vitro Model for the Study of Aberrant Wound Healing. *Plast Reconstr Surg* 99(4):1094-1098, 1997.

(Selected for re-publication in Current Awareness in Biomedicine: Tissue Culture 17(9):2, 1997)

12. **Koch, R. J.**, Troell, R & Goode R.L.: Contemporary Management of the Aging Brow and Forehead. *Laryngoscope* 107:710-715, 1997.

(Selected for re-publication in part in Current Opinion in Ophthalmology 9(5):1998 and in Current Opinion in Otolaryngology 6(4):1998)

13. Newman, J.P, **Koch, R. J.**, Goode, R.L. & Brennan, H.G.: Distortion of the Auriculocephalic Angle Following Rhytidectomy: Recognition and Prevention. *Arch Otolaryngol Head Neck Surg* 123(8):818-820, 1997.
 14. Chavez, A., Dagum, P., **Koch, R. J.** & Newman, J.P.: Legal Issues of Computer Imaging in Plastic Surgery: A Primer. *Plast Reconstr Surg* 100(6):1601-1608, 1997.
 15. **Koch, R. J.**: An Overview of Facial Wrinkles. *West J Med* 167(6):428, 1997.
 16. **Koch, R. J.**, Chavez, A., Dagum, P. & Newman, J.P: Advantages and Disadvantages of Computer Imaging in Cosmetic Surgery. *Dermatol Surg* 24:195-198, 1998.
 17. **Koch, R.J.**: CO₂ Laser-Assisted Skin Resurfacing: Current Practices. *Am J Cosm Surg* 15(1):27-35, 1998.
 18. **Koch, R. J.**: Initial Clinical Evaluation of the NovaScan Carbon Dioxide Laser Handpiece. *Dermatol Surg* 24(3):369-371, 1998.
 19. **Koch, R. J.**: Laser Skin Resurfacing: What Credentials Are Necessary? *Dermatol Surg* 24(5):595, 1998.
 20. Newman, J.P, **Koch, R. J.** & Goode, R.L.: Closed Dressings after Laser Skin Resurfacing. *Arch Otolaryngol Head Neck Surg* 124(7):751-757, 1998.
- (Selected for review in Practical Reviews: Otolaryngology-Head & Neck Surgery 6(5), 1998)
21. Utley, D.S., **Koch, R.J.** & Goode, R.L.: The Failing Flap in Facial Plastic and Reconstructive Surgery: The Role of the Medicinal Leech. *Laryngoscope* 108(8):1129-1136, 1998.
 22. Utley, D.S. Utley, J.D., **Koch, R.J.** & Goode, R.L.: Direct Bonded Orthodontic Brackets for Maxillomandibular Fixation. *Laryngoscope* 108(9):1338-1345, 1998.
 23. Dunham, B.P. & **Koch, R.J.**: Basic Fibroblast Growth Factor and Insulin-Like Growth Factor I Support the Growth of Human Septal Chondrocytes in a Serum-Free Environment. *Arch Otolaryngol Head Neck Surg* 124(12):1325-1330, 1998.

24. Jackson, L. & **Koch, R.J.**: Controversies in the Management of Turbinate Hypertrophy: A Comprehensive Review. *Plast Reconstr Surg* 103(1):300-312, 1999.
25. Utley, D.S., **Koch, R. J.** & Egbert, B.M.: Histologic Analysis of the Thermal Effect on Epidermal and Dermal Structures Following Treatment with the Superpulsed CO₂ Laser and the Erbium:YAG Laser: An In Vivo Model. *Lasers Surg Med* 24:93-102, 1999.
26. **Koch, R.J.**: Laser Skin Resurfacing with the Erbium-YAG Laser. *Facial Aesthetic Communications in Europe (F.A.C.E.)* 6(3):169-173, 1999.
27. Fitzgerald, P. & **Koch, R.J.**: Delayed Radionecrosis of the Larynx. *Am J Otolaryngol* 20(4):245-249, 1999.
28. Greene, D., Utley, D.S., Egbert, B.M. & **Koch, R. J.**: The Validity of Ex Vivo Laser Skin Treatment for Histologic Analysis: A Prospective Controlled Study. *Arch Facial Plast Surg* 1(3):159-164, 1999.
29. **Koch, R. J.**: The Effects of Resorbable Plates on Rabbit Ear Cartilage (Commentary). *Arch Facial Plast Surg* 1(3):182, 1999.
30. **Koch, R.J.** & Cheng, E.: Quantification of Skin Elasticity Changes Associated with Pulsed Carbon Dioxide Laser Skin Resurfacing. *Arch Facial Plast Surg* 1(4): 272-275, 1999.

(Selected for re-publication in the American Academy of Otolaryngology-Head & Neck Surgery Home Study Course Section 4, 2002)
31. Hong, R., Lum, J. & **Koch, R.J.**: Growth of Keloid-Producing Fibroblasts in Commercially Available Serum-Free Media: A Comparative Study. *Otolaryngol Head Neck Surg* 121(4):469-473, 1999.
32. Greene, D., **Koch, R. J.** & Goode, R.L.: Efficacy of Octyl-2-Cyanoacrylate Tissue Glue in Blepharoplasty: A Prospective Controlled Study of Wound Healing Characteristics. *Arch Facial Plast Surg* 1(4):292-296, 1999.
33. **Koch, R. J.** & Chavez, A.: Medicolegal Aspects of Imaging and Internet Communications. *Facial Plast Surg* 15(2):139-144, 1999.
34. Brennan, H.G., Toft, K., Goode, R.L. & **Koch, R.J.**: Prevention and Correction of Temporal Hair Loss in Rhytidectomy. *Plast Reconstr Surg* 104(7):2219-2225, 1999.
35. **Koch, R. J.**: Laser Resurfacing of the Periorbital Area. *Facial Plast Surg* 15(3):263-270, 1999.
36. Cheng, E., Greene, D. & **Koch, R.J.**: Metastatic Renal Cell Carcinoma to the Nose. *Otolaryngol Head Neck Surg* 122(3):464, 2000.

37. Hong, R. & **Koch, R.J.**: Possible Role of Anticoagulation in Rhinocerebral Mucormycosis. *Otolaryngol Head Neck Surg* 122(4):577-578, 2000.
38. Vaughan, W.C. & **Koch, R.J.**: Airway Obstruction due to "Bee Sting" Macroglossia. *Otolaryngol Head Neck Surg* 122(5):778, 2000.
39. Nowak, K.C., McCormack, M.C & **Koch, R. J.**: The Effect of Superpulsed Carbon Dioxide Laser Energy on Keloid and Normal Dermal Fibroblast Secretion of Growth Factors: A Serum-Free Study. *Plast Reconstr Surg* 105(6):2039-2048, 2000.

(Selected for re-publication in Current Awareness in Biomedicine: Growth Factors & Cytokines – Research 17(9):2, 2000)
40. Falsafi, S. & **Koch, R.J.**: Growth of Tissue-Engineered Human Naso-Septal Cartilage in Simulated Microgravity. *Arch Otolaryngol Head Neck Surg* 126(6):759-765, 2000.
41. Newman, J.P, Fitzgerald, P. & **Koch, R. J.**: Comparison of Closed Dressings after Laser Skin Resurfacing. *Dermatol Surg* 26(6):562-571, 2000.
42. Greene, D., Egbert, B.M., Utley, D.S. & **Koch, R. J.**: In Vivo Model of Histologic Changes After Treatment with the Superpulsed CO₂ Laser, Erbium:YAG Laser, and Blended Lasers: A 4- to 6-month Prospective Histologic and Clinical Study. *Lasers Surg Med* 27(4):362-372, 2000.
43. **Koch, R. J.**: Clinical Challenges in Otolaryngology-Head & Neck Surgery: Endoscopic Browlift is the Preferred Approach for Rejuvenation of the Upper Third of the Face. *Arch Otolaryngol Head Neck Surg* 127(1):87-90, 2001.
44. McCormack, M.C., Nowak, K.C & **Koch, R.J.**: The Effect of Copper Tripeptide and Tretinoin on Growth Factor Production in a Serum-Free Fibroblast Model. *Arch Facial Plast Surg* 3(1):28-32, 2001.
45. **Koch, R.J.**: Laser Skin Resurfacing. *Facial Plast Surg Clin North Am* 9(3):329-336, 2001.
46. **Koch, R.J.** & Hanasono, M.M.: Microdermabrasion. *Facial Plast Surg Clin North Am* 9(3):377-382, 2001.
47. Mikulec, A.A., Hanasono, M.M., Lum, J., Kadleck, J.M., Kita, M. & **Koch, R.J.**: Effect of Tamoxifen on TGF-B1 Production by Keloid and Fetal Fibroblasts. *Arch Facial Plast Surg* 3(2):111-114, 2001.
48. Hanasono, M.M. & **Koch, R.J.**: Skin Resurfacing with Microdermabrasion. *Facial Aesthetic Communications in Europe (F.A.C.E.)* 7(1):9-12, 2001.
49. Talbot, J.F., Gorti, G.K. & **Koch, R.J.**: Midfacial Osteomyelitis in a Chronic Cocaine Abuser: A Case Report. *Ear Nose Throat J* 80(10):738-743, 2001.

50. Cheng, E.T. & **Koch, R.J.**: Regional Differences in the Secretion of Growth Factors by Facial and Chest Fibroblasts Utilizing Blended CO₂ and Er:YAG Laser Energy: A Serum-Free Study. *Facial Aesthetic Communications in Europe (F.A.C.E.)* 7(1):31-39, 2001.
51. Cheng, E.T., Nowak, K.C. & **Koch, R.J.**: Effect of Blended Carbon Dioxide and Erbium:YAG Laser Energy on Preauricular and Ear Lobule Keloid Fibroblast Secretion of Growth Factors: A Serum-Free Study. *Arch Facial Plast Surg* 3(4):252-257, 2001.
52. Hanasono, M.M., Kridel, R.W.H., Pastorek, N.J., Glasgold, M.J. & **Koch, R.J.**: Correction of the Soft Tissue Pollybeak Deformity using Triamcinolone Injection. *Arch Facial Plast Surg* 4(1):26-30, 2002.
53. **Koch, R.J.**: Laser Skin Resurfacing. *Otolaryngol Clin North Am* 35(1):119-133, 2002.
54. **Koch, R.J.** & Gorti, G.K: Tissue Engineering with Chondrocytes. *Facial Plast Surg* 18(1):59-68, 2002.
55. Gorti, G.K & **Koch, R.J.**: Modulation of Wound Healing and Scar Formation. *Curr Opin Otolaryngol Head Neck Surg* 10:287-291, 2002.
56. Carroll, L.A., Hanasono, M.M., Mikulec, A.A., Kita, M. & **Koch, R.J.**: Triamcinolone Stimulates bFGF Production and Inhibits TGF- β Production by Human Dermal Fibroblasts. *Dermatol Surg* 28(8):704-709, 2002.
57. Gorti, G.K., Ronson, S. & **Koch, R.J.**: Wound Healing. *Facial Plast Surg Clin North Am* 10:119-127, 2002.
58. Hanasono, M.M., Kita, M., Mikulec, A.A., Lonergan, D. & **Koch, R.J.**: Autocrine Growth Factor Production by Fetal, Keloid, and Normal Dermal Fibroblasts. *Arch Facial Plast Surg* 5(1):26-30, 2003.
59. **Koch, R.J.**: Effects of Growth Factors on the Quality of Ex Vivo-Generated Cartilage. *Arch Facial Plast Surg* 5(1):102, 2003.
60. Carroll, L.A. & **Koch, R.J.**: Heparin Stimulates Production of Basic Fibroblast Growth Factor and Transforming Growth Factor Beta in Human Normal, Keloid, and Fetal Dermal Fibroblasts. *Med Sci Monit* 9(3): 97-108, 2003.
61. Lonergan, D., Mikulec, A.A., Hanasono, M.M., Kita, M. & **Koch, R.J.**: Growth Factor Profile of Irradiated Human Dermal Fibroblasts Using a Serum-Free Method. *Plast Reconstr Surg* 111(6):1960-1968, 2003.

(2000 Vice President Award for best paper submitted to The American Laryngological, Rhinological and Otological Society)

62. Gorti, G.K., Lo, J., Falsafi, S., Kosek, J., Quan, S.Y., Khuu, D.T. & **Koch, R.J.**: Cartilage Tissue Engineering Using Cryogenic Chondrocytes. *Arch Otolaryngol Head Neck Surg* 129(8):889-893, 2003.
63. Kridel, R.W.K, Yoon, P.J. & **Koch, R.J.**: Prevention and Correction of Nasal Tip Bossae in Rhinoplasty. *Arch Facial Plast Surg* 5(5):416-422, 2003.
64. **Koch, R.J.**, Newman, J.P. & Safer, D.L.: Psychological Predictors of Patient Satisfaction with Laser Skin Resurfacing. *Arch Facial Plast Surg* 5(5):445-446, 2003.
65. Cheng, E.T., Pollard, J.D. & **Koch, R.J.**: Effect of Blended CO₂ and Erbium:YAG Laser Irradiation on Normal and Keloid Fibroblasts: A Serum-Free Study. *J Clin Laser Med Surg* 21(6):337-343, 2003.

(1999 Vice President Award for best paper submitted to The American Laryngological, Rhinological and Otological Society, and the 1999 National Society Award for best resident paper submitted to the Western Section of The American Laryngological, Rhinological and Otological Society)
66. Kang, T.S., Gorti, G.K., Quan, S.Y., Ho, M. & **Koch, R.J.**: Effect of Hyperbaric Oxygen on the Growth Factor Profile of Fibroblasts. *Arch Facial Plast Surg* 6(1):31-35, 2004.
67. **Koch, R.J.** & Pope, K.: Quantitative Assessment of Brow Position: A New Measurement System. *Plast Reconstr Surg* 113(4):1290-1291, 2004.
68. Hanasono, M.M., Lum, J., Carroll, L.A., Mikulec, A.A. & **Koch, R.J.**: The Effect of Silicone Gel on Basic Fibroblast Growth Factor Levels in Fibroblast Cell Culture. *Arch Facial Plast Surg* 6(2):88-93, 2004.
69. **Koch, R.J.**: Radiofrequency Nonablative Tissue Tightening. *Facial Plast Surg Clin North Am* 12(3):339-346, 2004.
70. Pollard, J.D., Quan, S., Kang, T. & **Koch, R.J.**: Effects of Copper Tripeptide on the Growth and Expression of Growth Factors by Normal and Irradiated Fibroblasts. *Arch Facial Plast Surg* 7(1):27-31, 2005.
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 75. Ruffy, M.B., Kunnavatana S.S. & **Koch, R.J.**: Effect of Tamoxifen on Normal Human Dermal Fibroblasts. *Arch Facial Plast Surg* 8(5):329-332, 2006.
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- (2001 Residency Travel Award by the Educational and Research Foundation of the American Academy of Facial Plastic & Reconstructive Surgery)*
80. Carroll, L.A., Hanasono, M.M., Mikulec, A.A. & **Koch, R.J.**: Effects of Heparin on Normal and Irradiated Fibroblasts. *Dermatol Surg* (Submitted).
 81. Chiang, S.K., **Koch, R.J.**, Goode, R.L. & Newman. J.P.: The Brow Elevation Ratio: An Objective Method of Assessing Changes in Brow Position. *Arch Facial Plast Surg* (Submitted).
 82. Khu, D., Gorti, G.K., Kosek, J., Kita, M. & **Koch, R.J.**: Using Poly-p-dioxanone/Polyglactin 910 Scaffolds for In Vitro Nasoseptal Cartilage Synthesis. *Med Sci Monit* (Submitted).
 83. Bennett, J.R., **Koch, R.J.**, Buckman, P.M. & Goode, R.L.: Quantitative Analysis of Rhytidectomy Results. *Arch Facial Plast Surg* (Submitted).
 84. Brennan, H.G., Chen, T. **Koch, R.J.**: The Failing Facelift Flap. *Ann Plast Surg* (Submitted).
 85. Ortiz, J., Quan, S. & **Koch, R.J.**: Effects of Hyperbaric Oxygen on Proliferation and Growth Factor Production in Irradiated Fibroblasts. *Head & Neck* (Submitted).

ABSTRACTS & ARTICLES IN NON-PEER REVIEWED JOURNALS

1. **Koch, R. J.**, Lore', J. M. & Simpson, G. T.: "JB-RJK": A New Cell Line for the Study of Malignant Cellular Blue Nevus. *Surgical Forum* Vol. XLIV: 615-619, 1993.
2. **Koch, R. J.** & Simpson, G. T.: Endoscopic Transethmoid Approach for Medial Orbital Masses. *Surgical Forum* Vol. XLV: 645-647, 1994.
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VIDEO/AUDIO/DVD/INTERNET

1. **Koch, R. J.**: Laser Cosmetic Skin Resurfacing (Video). Luxar Corporation, 1996.
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3. **Koch, R. J.**: Superpulsed CO₂ Laser Skin Resurfacing (Audio). In: CO₂ Laser-Assisted Skin Resurfacing: An Advanced Symposium. Dermatology Direct Line, 1996.
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5. **Koch, R. J.**: Improving Your Wounds - Update on Growth Factors in Facial Plastic Surgery (Video). In: The Latest Advances in Cosmetic Surgery of the Face. CMEVideo, 1997.
6. **Koch, R. J.**: CSR-Schulung: Seminar in Skin Resurfacing (Video). Polymed Medical Center, Zurich, Switzerland, 1997.
7. **Koch, R. J.**: Comparison of Closed Wound Dressings for Laser Skin Resurfacing (Video). In: The Latest Advances in Cosmetic Surgery of the Face. CMEVideo, 1997.
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14. **Koch, R. J.:** Lifestyle Lift Surgery Instructional DVD for Physicians. Kent Creative Group, Inc. 2008.
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PRESENTATIONS

INTERNATIONAL MEETINGS

1. **Koch, R.J. & Leong, S.:** "TT": A New Cell Line for the Study of Human Medullary Thyroid Carcinoma. Presented at the meeting of the *USA National Committee/International Union Against Cancer*, Rome, Italy, September 1982.
2. **Koch, R.J. & Brodsky, L.S.:** An In Vitro Model of Lymphocyte Reactivity Using Specific Intact Bacteria in Serum-Free Media. Proceedings of the *Association for Research in Otolaryngology*. St. Petersburg, Florida, February 1989.
3. Brodsky, L.S. & **Koch, R.J.:** Bacteriologic and Immunologic Correlates of Adenoid Disease in Children. Presented at the Seventh Annual Meeting of the *American Society of Pediatric Otolaryngologists*, Palm Desert, California, April 1992.
4. Lore', J.M. & **Koch, R.J.:** Update on Medullary Thyroid Carcinoma. Presented at the *Third International Conference on Head and Neck Cancer*, San Francisco, California, July 1992.
5. Lore', J.M., **Koch, R.J.** et al.: Approaches to the Superior Mediastinum for the Head and Neck Surgeon. Presented at the *Third International Conference on Head and Neck Cancer*, San Francisco, California, July 1992.
6. **Koch, R.J.**, Sittitrai, P., Lore', J.M., et al.: Advanced Hypopharyngeal Carcinoma - Resection of Total Hypopharynx & Total Larynx, with Reconstruction Using Either a Myomucosal Tongue Flap with Dermal Graft or a Pectoralis Major Myocutaneous Flap with Dermal Graft. Presented at the *Third International Conference on Head and Neck Cancer*, San Francisco, California, July 1992.

7. **Koch, R.J.**, Lore', J.M & Simpson, G.T.: Case of Malignant Cellular Blue Nevus. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1993 Annual Meeting*, Minneapolis, Minnesota, October 1993.
8. **Koch, R.J.**, Lore', J.M & Simpson, G.T.: "JB-RJK": A New Cell Line for the Study of Malignant Cellular Blue Nevus. Presented at the *American College of Surgeons 79th Clinical Congress - Surgical Forum*, San Francisco, California, October 1993.
9. **Koch, R.J.** & Brodsky, L.S.: Qualitative and Quantitative Immunoglobulin Production by Specific Bacteria in Chronic Tonsillar Disease. Presented at the *Triological Society Eastern Section Meeting*, Ottawa, Canada, January 1994.
10. **Koch, R.J.** & Simpson, G.T.: Endoscopic Transethmoid Approach for Medial Orbital Masses. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1994 Annual Meeting*, San Diego, California, September 1994.
11. **Koch, R.J.** & Simpson, G.T.: Endoscopic Approach to the Orbit. Presented at the *American College of Surgeons 80th Clinical Congress - Surgical Forum*, Chicago, Illinois, October 1994.
12. Lore', J.M., **Koch, R.J.** & Hayes, D.: Mediastinoscopy for Identification and Biopsy of Anterior Mediastinal Parathyroid Glands. Presented at the *Eastern Great Lakes Head & Neck Oncology Association 18th Annual Meeting*, Buffalo, New York, November 1994.
13. **Koch, R.J.**, Brennan, H.G. & Goode, R.L.: Prevention and Correction of Temporal Hair Loss in Rhytidectomy. Presented at the AAFPRS 1995 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 1995.
14. Newman, J.P, **Koch, R.J.**, Brennan, H.G. & Goode, R.L.: Routine Conchal Setback for the Prevention of Ear Protrusion following Rhytidectomy. Presented at the AAFPRS 1995 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 1995.
15. Brennan, H.G., **Koch, R.J.** & Goode, R.L.: Comprehensive Management of Delayed Flap Healing in Rhytidectomy. Presented at the AAFPRS 1995 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 1995.
16. **Koch, R.J.**, Goode, R.L. & Simpson, G. T.: Serum-free Fibroblast Cell Culture: An In Vitro Model for the Study of Wound Healing. Presented at the AAFPRS 1995 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 1995.
17. **Koch, R.J.**, Goode, R.L. & Troell, R.: Contemporary Management of the Aging Brow and Forehead. Presented at the *Triological Society Western Section Meeting*, Marina Del Rey, California, January 1996.

18. Nasri, S., Newman, J.P., Goode, R.L. & **Koch, R.J.**: Combined Use of Superpulsed CO₂ Laser and Cryotherapy for Treatment of Facial Rhytids. Presented at the AAFPRS 1996 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Orlando, Florida, May 1996.
19. Dagum, P., Chavez, A., **Koch, R.J.** & Newman, J.P.: Legal Implications of Computer Imaging in Facial Plastic Surgery. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1996 Fall Meeting*, Washington, DC, September 1996.
20. Newman, J.P., **Koch, R.J.**, Goode, R.L. & Brennan, H.G.: Calvarial Suture Fixation for Endoscopic Brow and Forehead Lifts. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1996 Fall Meeting*, Washington, DC, September 1996.
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23. Dunham, B. & **Koch, R.J.**: Development of a Serum-free Medium for the In Vitro Study of Human Septal Cartilage. Presented at the *Association for Research in Otolaryngology 1997 Midwinter Meeting*, St. Petersburg, Florida, February 1997.
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25. Goode, R.L., **Koch, R.J.** & Newman, J.P.: Submentoplasty as a Primary Procedure. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1997 Fall Meeting*, San Francisco, CA, September 1997.
26. Newman, J.P., **Koch, R.J.** & Goode, R.L.: Occlusive Dressings after Laser Skin Resurfacing. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1997 Fall Meeting*, San Francisco, CA, September 1997.
27. Utley, D.S., **Koch, R.J.** & Goode, R.L.: The Failing Flap in Facial Plastic and Reconstructive Surgery: The Role of the Medicinal Leech. Presented at the *Triological Society Western Section Meeting*, San Diego, California, January 1998.

28. Fitzgerald, P. & **Koch, R.J.**: Osteoradionecrosis of the Larynx. Presented at the *Triological Society Western Section Meeting*, San Diego, California, January 1998.
29. Utley, D.S., **Koch, R. J.** & Egbert, B.M.: Histologic Analysis of the Thermal Effect on Epidermal and Dermal Structures Following Treatment with the Superpulsed CO₂ Laser and the Erbium:YAG Laser: An In Vivo Study. Presented at the *18th Annual Meeting of the American Society of Laser Medicine and Surgery*, San Diego, California, April 1998.
30. Utley, D.S., **Koch, R.J.** & Goode, R.L.: Direct Bonded Brackets for Maxillomandibular Fixation. Presented at the *1998 Triological Society Annual Meeting*, Palm Beach, Florida, May 1998.
31. **Koch, R.J.**, Chavez, A. & Dagum, P.: Legal Aspects of Computer Imaging in Facial Plastic Surgery. Presented at the *Seventh International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, Orlando, Florida, June 1998.
32. **Koch, R.J.** & Attia, P.Y.: Tissue Engineering of Human Septal Cartilage for Facial Reconstruction. Presented at the *Seventh International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, Orlando, Florida, June 1998.
33. Toft, K.M., Jackson, L., Kohler, S., Lane, A. & **Koch, R.J.**: Hyperpigmentation Following Laser Treatment with the CO₂ and Erbium:YAG Laser: An In Vivo and Histopathologic Study. Presented at the *Seventh International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, Orlando, Florida, June 1998.
34. **Koch, R.J.**, & Chavez, A.: Medicolegal Aspects of E-Mail and the Internet: A Primer. Presented at the *Seventh International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, Orlando, Florida, June 1998.
35. **Koch, R.J.** & Cheng, E.: Quantification of Skin Elasticity Changes Associated with Laser Skin Resurfacing. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1998 Fall Meeting*, San Antonio, Texas, September 1998.
36. **Koch, R.J.**: Laser Skin Resurfacing: Patient Satisfaction and Psychological Indicators. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 1998 Fall Meeting*, San Antonio, Texas, September 1998.
37. Hong, R. & **Koch, R.J.**: The Possible Role of Anticoagulation in Rhinocerebral Mucormycosis. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1998 Annual Meeting*, San Antonio, Texas, September 1998.

38. Hong, R., **Koch, R.J.** & Lum, J.: Serum-Free Keloid Fibroblast Cell Culture in Commercially Available Media: A Comparative Study. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1998 Annual Meeting*, San Antonio, Texas, September 1998.
39. Miller, D., **Koch, R.J.** & Fee, W.E.: Liposarcoma vs. Lipoblastoma: Development of the Cell Line "AY-RJK" for the Study of Lipogenic Tumors in Children. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1998 Annual Meeting*, San Antonio, Texas, September 1998.
40. **Koch, R.J.** & Greene, D.: Six Month In Vivo Model of Histologic Changes Following Treatment with the Superpulsed CO₂ Laser, Erbium:YAG Laser, and Blended Lasers. Presented at the *19th Annual Meeting of the American Society of Laser Medicine and Surgery*, Lake Buena Vista, Florida, April 1999.
41. Nowak, K.C. & **Koch, R.J.**: The Effect of Superpulsed CO₂ Laser Energy on Keloid and Normal Dermal Fibroblast Secretion of Growth Factors: A Serum-Free Study. Presented at the *19th Annual Meeting of the American Society of Laser Medicine and Surgery*, Lake Buena Vista, Florida, April 1999.
42. McCormack, M.C., Nowak, K.C. & **Koch, R.J.**: Autocrine Growth Factor Production by Tretinoin and Copper Tripeptide in a Serum-free Fibroblast Model. Presented at the AAFPRS 1999 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, CA, April 1999.
43. Greene, D. & **Koch, R.J.**: The Validity of Ex Vivo Laser Skin Treatment for Histologic Analysis: A Prospective Controlled Study. Presented at the AAFPRS 1999 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, CA, April 1999.
44. Falsafi, S. & **Koch, R.J.**: Growth of Tissue-Engineered Human Naso-Septal Cartilage in Simulated Microgravity. Presented at the *American Academy of Otolaryngology-Head & Neck Surgery 1999 Annual Meeting*, New Orleans, LA, September 1999.
45. Cheng, E.T. & **Koch, R.J.**: The Effect of Blended CO₂ and Erbium:YAG Laser Energy on Keloid and Normal Fibroblast Secretion of Growth Factors: A Serum-Free Study. Presented at the *2000 Triological Society Western Section Meeting*, San Francisco, California. January 9, 2000.
46. Talbot, J. & **Koch, R.J.**: Midface Osteomyelitis in a Cocaine Abuser. Presented at the *2000 Triological Society Western Section Meeting*, San Francisco, California. January 9, 2000.
47. Cheng, E.T. & **Koch, R.J.**: Regional Differences in the Secretion of Growth Factors by Facial and Chest Fibroblasts Utilizing Blended CO₂ and Er:YAG Laser Energy: A Serum-Free Study. Presented at the *20th Annual Meeting of the American Society of Laser Medicine and Surgery*, Reno, Nevada, April 7, 2000.

48. Hanasono, M.W., Kridel, R.W.H., Pastorek, N.J., Glasgold, M.J. & **Koch, R.J.**: Correction of the Pollybeak Deformity using Intralesional Injection of Triamcinolone Acetonide. Presented at the AAFPRS 2000 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Orlando, Florida, May 2000.
49. Hanasono, M.W., Carroll, L.A., Mikulec, A.A., Ronson, S. & **Koch, R.J.**: Wound Healing Enhancement by Modulation of Fibroblast Autocrine Growth Factor Production using Tamoxifen. Presented at the AAFPRS 2000 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Orlando, Florida, May 2000.
50. Greene, D., **Koch, R.J.** & Goode, R.L.: Efficacy of Octyl-2-Cyanoacrylate Tissue Glue in Blepharoplasty: A Prospective Controlled Study of Wound Healing Characteristics. Presented at the AAFPRS 2000 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Orlando, Florida, May 2000.
51. Cheng, E.T. & **Koch, R.J.**: The Effect of Blended CO₂ and Erbium:YAG Laser Energy on Keloid Fibroblasts from the Preauricular Region Versus the Ear Lobule. Presented at the AAFPRS 2000 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Orlando, Florida, May 2000.
52. **Koch, R.J.**, Falsafi, S., Lum J. & Kosek, J.: Serum-Free Tissue Engineering of Human Septal Cartilage. Presented at the *5th Annual Meeting of the Rhinoplasty Society*, Orlando, Florida, May 2000.
53. Lonergan, D., Mikulec, A.A., Carroll, L.A., Hanasono, M.M., Kita, M. & **Koch, R.J.**: A Serum-Free Model for Growth of Irradiated Human Dermal Fibroblasts In Vitro. Presented at the *2001 Triological Society Western Section Meeting*, Rancho Del Mar, California. January 2001.
54. Hanasono, M.M., Kita, M., Mikulec, A.A., Lonergan, D. & **Koch, R.J.**: Autocrine Growth Factor Production by Fetal, Keloid, and Normal Dermal Fibroblasts. Presented at the AAFPRS 2001 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 2001.
55. Yoon, P., Kridel, R.W.H. & **Koch, R.J.**: The Prevention and Correction of Nasal Tip Bossae. Presented at the AAFPRS 2001 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Palm Desert, California, May 2001.
56. Hanasono, M.W., Lum, J., Carroll, L.A., Mikulec, A.A. & **Koch, R.J.**: Silicone Gel Increases Basic Fibroblast Growth Factor Levels in Fibroblast Cell Culture. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 2001 Fall Meeting*, Denver, Colorado, September 2001.
57. Mikulec, A.A., Carroll, L.A., Hanasono, M.M., Lonergan, D., Kadleck, J., Kita, M., & **Koch, R.J.**: Effect of Tamoxifen on bFGF Production in Normal and Keloid-producing Human Dermal Fibroblasts In Vitro. Presented at the

American Academy of Facial Plastic and Reconstructive Surgery 2001 Fall Meeting, Denver, Colorado, September 2001.

58. **Koch, R.J.** & Pope, K.: Quantitative Assessment of Browlift Elevation: An Objective Measure to Compare Techniques. Presented at the *Eighth International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, New York, New York, May 2002.
59. Kang, T.S., Gorti, G.K., Quan, S.Y., Ho, M. & **Koch, R.J.**: Effect of Hyperbaric Oxygen on the Growth Factor Profile of Fibroblasts. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 2002 Fall Meeting*, San Diego, California, September 2002.
60. **Koch, R.J.** & Buckman, P.: The Non-Invasive Browlift: Report on a Clinical Trail. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 2003 Fall Meeting*, Orlando, Florida, September 2003.
61. Chiang, S.K., **Koch, R.J.**, Goode, R.L. & Newman, J.P.: The Brow Elevation Ratio: An Objective Method of Assessing Changes in Brow Position. Presented at the AAFPRS 2004 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Phoenix, Arizona, April 2004.
62. Hove, C., **Koch, R.J.** & Goode, R.L.: Efficacy of Fibrin Sealant (Hemaseel™) in Short-flap Rhytidectomy: A Prospective Randomized Trial. Presented at the AAFPRS 2004 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Phoenix, Arizona, April 2004.
63. Pollard, J.D., Quan, S., Kang, T. & **Koch, R.J.**: Effects of Copper Tripeptide on the Growth and Expression of Growth Factors by Normal and Irradiated Fibroblasts. Presented at the AAFPRS 2004 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Phoenix, Arizona, April 2004.
64. Chen, T., Kunnavatana, S.S. & **Koch, R.J.**: Effects of Mitomycin-C on Normal Dermal Fibroblasts. Presented at the *2005 Triological Society Western Section Meeting*, Las Vegas, Nevada, February 2005.
65. Ruffy, M.B., Kunnavatana S.S. & **Koch, R.J.**: Effects of Tamoxifen on Human Fibroblast Cells. Presented at the AAFPRS 2005 Spring Meeting as part of *Combined Otolaryngological Spring Meetings*, Boca Raton, Florida, May 2005.
66. Banthia, V. & **Koch, R.J.**: Secondary Wound Healing Response by Radiofrequency Non-ablative Tissue Tightening. Presented at the *Ninth International Symposium of the American Academy of Facial Plastic and Reconstructive Surgery*, Las Vegas, Nevada, May 2006.

INVITED LECTURES

1. **Koch, R.J.**: New Techniques in Facial Plastic Surgery. Presented at the Santa Barbara Cottage Hospital, Surgical *Grand Rounds*, July 1995.

2. **Koch, R.J.** & Mittelman, H.: Structural Concepts in Facelift Surgery. Presented at the *Ninth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 1995.
3. **Koch, R.J.**, Newman, J.P. & Brennan, H.G.: Cranial Suture Fixation for Endoscopic Repair of Brow Ptosis. Presented at the *Third Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, February 1996.
4. **Koch, R.J.**: Medicolegal Aspects of Computer Imaging in Facial Plastic Surgery. Presented at the *Tenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 1996.
5. **Koch, R.J.**: The Advantages of Calvarial Table Suture Fixation Versus Screw Fixation in Endoscopic Brow Lifting. Presented at the *Tenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 1996.
6. **Koch, R.J.**: Laser Skin Resurfacing. Presented at the Hospital Bogenhausen, Dept. of Otolaryngology *Grand Rounds*, Munich, Germany, October 1996.
7. **Koch, R.J.**: Laser Skin Resurfacing. Presented at the Free University of Berlin, Dept. of Otolaryngology *Grand Rounds*, Berlin, Germany, October 1996.
8. **Koch, R.J.**: Laser Skin Resurfacing. Presented at the Hospital Bogenhausen, Dept. of Plastic Surgery *Grand Rounds*, Munich, Germany, October 1996.
9. **Koch, R.J.**: Laser Skin Resurfacing: Current Practices. Presented at the *Fourth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 1997.
10. **Koch, R.J.**: Efectos Cutaneos de la Abrasion con Laser Novapulse. Presented at the *Curso Internacional de Capacitacion en Laser de CO₂ Novapulse*, Monterrey, Mexico, April 1997.
11. **Koch, R.J.**: Tecnica de laserabrasion per se. Presented at the *Curso Internacional de Capacitacion en Laser de CO₂ Novapulse*, Monterrey, Mexico, April 1997.
12. **Koch, R.J.**: Tecnicas Combinadas en Cirugia Plastica Facial. Presented at the *Curso Internacional de Capacitacion en Laser de CO₂ Novapulse*, Monterrey, Mexico, April 1997.
13. **Koch, R.J.**: Dermabrasion au Laser CO₂. Presented at the *State-of-the-Art Aesthetic Surgery Congress*, Antibes, France, April 1997.
14. **Koch, R.J.**: Improving Your Wounds - Update on Growth Factors in Facial Plastic Surgery. Presented at the *Eleventh Annual Symposium on the Latest*

Advances in Cosmetic Surgery of the Face, Newport Beach, California, August 1997.

15. **Koch, R.J.** & Newman, J.P.: Comparison of Closed Wound Dressings for Laser Skin Resurfacing. Presented at the *Eleventh Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 1997.
16. **Koch, R.J.:** Endoscopic Browlift and Blepharoplasty with the CO₂ Laser. Presented at the *Colorado Otolaryngology and Maxillofacial Society Meeting*, Denver, Colorado, November 1997.
17. **Koch, R.J.:** Browlift Selection: A Problem Specific Approach. Presented at the *Fifth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 1998.
18. **Koch, R.J.** & Brennan, H.G.: Non-Endoscopic Browlift. Presented at the *Fifth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 1998.
19. **Koch, R.J.:** Current Practices in Laser Skin Resurfacing. Presented at the University of California at San Francisco, Department of Otolaryngology *Grand Rounds*, April 1998.
20. **Koch, R.J.:** Current Practices in Laser Skin Resurfacing. Presented at the Manhattan Eye, Ear and Throat Hospital, Department of Otolaryngology-Head & Neck Surgery *Grand Rounds*, June 1998.
21. **Koch, R.J.:** The Role of Isolated Submentoplasty in the Management of the Aging Neck. Presented at the AAFPRS *Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 1998.
22. **Koch, R.J.:** Prevention and Correction of Temporal Hair Loss in Rhytidectomy. Presented at the AAFPRS *Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 1998.
23. **Koch, R.J.:** Current Practices in Laser Skin Resurfacing. Presented at the Manhattan Eye, Ear and Throat Hospital, Department of Otolaryngology-Head & Neck Surgery *Grand Rounds*, November 1998.
24. **Koch, R.J.** & Newman, J.P.: Comparison of Closed Wound Dressings After Laser Skin Resurfacing. Presented at the *Sixth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowbird, Utah, February 1999.
25. **Koch, R.J.:** A Problem-Specific Approach to Browlift Selection. Presented at the *Sixth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowbird, Utah, February 1999.

26. **Koch, R.J.:** My Best Choices for Dorsal Augmentation and Why. Presented at the AAFPRS *Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 1999.
27. **Koch, R.J.:** Tightening Without Lasers: The New Technology. Presented at the AAFPRS *Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 1999.
28. **Koch, R.J.:** CO₂ and Erbium Together: Which is the Proper Sequence? Presented at the AAFPRS *Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 1999.
29. **Koch, R.J.:** Contemporary Approaches to Laser Resurfacing. Presented at the *UC Otolaryngology Update: 1999*, San Francisco, CA, November 1999.
30. **Koch, R.J.:** Special Considerations for Pigmented Skin (Resurfacing). Presented at the *3rd Annual UCSF Minimally Invasive Aesthetic Surgery*, San Francisco, CA, November 1999.
31. **Koch, R.J.:** Serum-Free Tissue Engineering of Human Septal Cartilage. Presented at the University of California at Los Angeles, Department of Surgery *Grand Rounds*, Los Angeles, California, April 2000.
32. **Koch, R.J.:** Tissue Engineering of Human Septal Cartilage for Head & Neck Reconstruction. Presented at Stanford University Medical Center, Department of Surgery *Grand Rounds*, Stanford, California, February 2001.
33. **Koch, R.J.:** Isolated Submentoplasty. Presented at the *Eighth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 2001.
34. **Koch, R.J.:** Use of Dermabond in Facial Plastic Surgery. Presented at the *Eighth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 2001.
35. **Koch, R.J.:** Combined CO₂ and Er:YAG Laser Skin Resurfacing. Presented at the *Eighth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 2001.
36. **Koch, R.J.:** Comparison of Closed Wound Dressings for Skin Resurfacing. Presented at the *Eighth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, March 2001.
37. **Koch, R.J.:** Use of Modulators in Wound Healing. Presented at the *Fifteenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 2001.
38. **Koch, R.J.:** Status of Tissue Engineering in Facial Plastic Surgery. Presented at the *Fifteenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 2001.

39. **Koch, R.J.:** Comparison of Closed Wound Dressings for Skin Resurfacing. Presented at the *Organization of Facial Plastic Surgery Assistants Program*, Denver, Colorado, September 2001.
40. **Koch, R.J.:** Non-Ablative Skin Tightening: Why? Presented at the *AAFPRS Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 2001.
41. **Koch, R.J.:** Is a Minilift as Good as a Full Facelift? Presented at the *AAFPRS Controversies in Facial Plastic Surgery Course*, Key Largo, FL, October 2001.
42. **Koch, R.J.:** New Concepts in Non-Ablative Rejuvenation. Presented at the *Emerging Technologies in Plastic Surgery*, NYU School of Medicine, New York, NY, June 2002.
43. **Koch, R.J.:** My Choices for Dorsal Nasal Augmentation. Presented at the *Sixteenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 2002.
44. **Koch, R.J.:** Psychological Predictors of Patient Satisfaction with Laser Skin Resurfacing. Presented at the *Sixteenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 2002.
45. **Koch, R.J.:** A Quick Overview of Browlift Selection. Presented at the *Sixteenth Annual Symposium on the Latest Advances in Cosmetic Surgery of the Face*, Newport Beach, California, August 2002.
46. **Koch, R.J.:** Wound Healing Improvements for the Clinician. Presented at the *UCLA Minimally Invasive Surgery of the Face: A Multi-Disciplinary Course*, Mauna Lani, Hawaii, September 2002.
47. **Koch, R.J.:** Experience with ThermoCool Soft Tissue Tightening. Presented at the *UCLA Minimally Invasive Surgery of the Face: A Multi-Disciplinary Course*, Mauna Lani, Hawaii, September 2002.
48. **Koch, R.J.:** Corrugator/Procerus Ablation Video Demonstration. Presented at the *5th Annual UCSF Minimally Invasive Aesthetic Surgery*, San Francisco, CA, October 2002.
49. **Koch, R.J.:** The Non-Invasive Browlift – Report on a Clinical Trial. Presented at Stanford University Medical Center, Department of Surgery *Grand Rounds*, Stanford, California, January 2003.
50. **Koch, R.J.:** Experience with ThermoCool Soft Tissue Tightening. Presented at the *2003 Winter Forum on the Latest Advances in Cosmetic Surgery*, Lake Tahoe, California, March 2003.

51. **Koch, R.J.:** Preference for Dorsal Augmentation in Rhinoplasty. Presented at the *2003 Winter Forum on the Latest Advances in Cosmetic Surgery*, Lake Tahoe, California, March 2003.
52. **Koch, R.J.:** Selecting Brow Surgery Options – A Rational Approach. Presented at the *2003 Winter Forum on the Latest Advances in Cosmetic Surgery*, Lake Tahoe, California, March 2003.
53. **Koch, R.J.:** New Technologies in Facial Plastic Surgery. Presented at University of California – San Francisco, *Facial Plastic Surgery Grand Rounds*, San Francisco, California, April 2003.
54. **Koch, R.J.:** Radiofrequency Tissue Tightening: It's Role in a Cosmetic Surgery Practice. Presented at *Cosmetic Dermatology Seminar 2003*, Phoenix, Arizona, April 2003.
55. **Koch, R.J.:** Controlled Clinical Trials of the ThermaCool TC: Treatment of the Periorbital and Forehead Areas. Presented at the *23rd Annual Meeting of the American Society of Laser Medicine and Surgery*, Anaheim, California, April 2003.
56. **Koch, R.J.:** Non-Invasive Treatment of Facial Rhytids: Resurfacing. Presented at the *Challenges and Advances in the Management of Craniomaxillofacial Surgery*, San Francisco, California, July 2003.
57. **Koch, R.J.:** Management of the Parrot Beak Deformity. Presented at the *Art of Rhinoplasty*, San Francisco, California, November 2003.
58. **Koch, R.J.:** Research Developments in Wound Healing. Presented at the University of California at San Francisco, Department of Otolaryngology *Grand Rounds*, November 2003.
59. **Koch, R.J.:** Experience with ThermaCool Soft Tissue Tightening. **Keynote address** of the *29th Annual Meeting of the Chinese Dermatological Society*, Taipei, Taiwan, November 2003.
60. **Koch, R.J.:** Wound Healing Update for the Clinician. Presented at the *2004 Winter Forum on the Latest Advances in Facial Plastic Surgery*, Lake Tahoe, California, February 2004.
61. **Koch, R.J.:** Current Practices in Skin Resurfacing. Presented at the *2004 Winter Forum on the Latest Advances in Facial Plastic Surgery*, Lake Tahoe, California, February 2004.
62. **Koch, R.J.:** My Current Approach to Resurfacing with Thermage and Lasers. Presented at the *AAFPRS Rejuvenation of the Aging Face Course*, San Diego, California, April 2004.

63. **Koch, R.J.:** Clinical Experience with the Non-Invasive Browlift, Facelift and Necklift. **Keynote address** of the *47th Annual Meeting of the Japan Society of Plastic and Reconstructive Surgery*, Tokyo, Japan, April 2004.
64. **Koch, R.J.:** Thermage Update. Presented at *The Next Step: Mastering Outpatient Cutaneous Procedures*, Stanford, California, May 2004.
65. **Koch, R.J.:** Current Techniques in Browlifting. Presented at the University of California at Irvine, Department of Otolaryngology *Facial Plastic Surgery Grand Rounds*, July 2004.
66. **Koch, R.J.:** Management of the Pollybeak Deformity. Presented at the University of California at Irvine, Department of Otolaryngology *Facial Plastic Surgery Grand Rounds*, July 2004.
67. **Koch, R.J.:** Unsaddling the Saddle Nose. Presented at the *Eighteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2004.
68. **Koch, R.J.:** Avoiding Nasal Tip Bossae. Presented at the *Eighteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2004.
69. **Koch, R.J.:** A Simple Method of Browlift Selection. Presented at the *Eighteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2004.
70. **Koch, R.J., Brennan, H.G. & Chen, T.:** Management of the Threatened Facelift Flap. Presented at the *Eighteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2004.
71. **Koch, R.J.:** Current Techniques in Radiofrequency. Presented at the *Eighteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2004.
72. **Koch, R.J.:** Non-Surgical Lifting of the Face and Neck with Radiofrequency. **Keynote address** of the *VII International Symposium on Laser, Intense Pulsed Light and other Dermocosmetic Techniques*, Oporto, Portugal, October 2004.
73. **Koch, R.J.:** Histologic Evaluation of Treatments with ThermoCool Radiofrequency. Presented at the *VII International Symposium on Laser, Intense Pulsed Light and other Dermocosmetic Techniques*, Oporto, Portugal, October 2004.
74. **Koch, R.J.:** Photography. Presented at the *Art of Rhinoplasty*, San Francisco, California, October 2004.
75. **Koch, R.J.:** Bioengineering Prosthetics through Tissue Fabrication. Presented at the *Stanford Otology & Neurotology Update 2004*, San Francisco, California, November 2004.

76. **Koch, R.J.:** A Simple Method of Browlift Selection. Presented at the *Twelfth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, February 2005.
77. **Koch, R.J.:** Prevention and Correction of Nasal Tip Bossae. Presented at the *Twelfth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Snowmass, Colorado, February 2005.
78. **Koch, R.J. & Scherl, R.:** The Plastic Surgeon's Perspective: Credible Photography. Presented at the Advanced Cosmetic Surgery Course of the *63rd Annual Meeting of the American Academy of Dermatology*, New Orleans, Louisiana, February 2005.
79. **Koch, R.J.:** The Plastic Surgeon's Perspective: The Facelift. Presented at the Advanced Cosmetic Surgery Course of the *63rd Annual Meeting of the American Academy of Dermatology*, New Orleans, Louisiana, February 2005.
80. **Koch, R.J.:** Current Practices in Rhinoplasty. Presented at the Stanford University, Department of Plastic Surgery *Cosmetic Surgery Roundtable*, Palo Alto, California, May 2005.
81. **Koch, R.J.:** Prevention and Correction of Nasal Tip Bossa. Presented at the *Nineteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2005.
82. **Koch, R.J.:** Basics of Photography. Presented at the *Nineteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2005.
83. **Koch, R.J.:** Treatment of Keloid and Hypertrophic Scars. Presented at the *Nineteenth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2005.
84. **Koch, R.J.:** Tip Bossa. Presented at the *American Academy of Facial Plastic and Reconstructive Surgery 2005 Fall Meeting*, Los Angeles, California, September 2005.
85. **Koch, R.J.:** Nonablative Radiofrequency Tissue Tightening. Presented at the *7th Asian Congress of Dermatology*, Kuala Lumpur, Malaysia, October 2005.
86. **Koch, R.J.:** Tissue Tightening and Contouring with Thermage. Presented at the *29th Annual Australasian Society of Aesthetic Plastic Surgery Conference*, Gold Coast, Australia, October 2005.
87. **Koch, R.J.:** Photography. Presented at the *Art of Rhinoplasty*, San Francisco, California, October 2005.
88. **Koch, R.J.:** Nonablative Tissue Tightening. Presented at the *1st Annual Thermage Users' Group Meeting*, Seoul, South Korea, December 2005.

89. **Koch, R.J.:** Wound Healing Update. Presented at the University of California at Irvine, Department of Otolaryngology *Grand Rounds*, Orange, California, December 2005.
90. **Koch, R.J.:** Quick Overview of Browlift Selection. Presented at the University of California at Irvine, Department of Otolaryngology *Grand Rounds*, Orange, California, December 2005.
91. **Koch, R.J.:** Skin Resurfacing with the Pulsed CO₂ Laser. **Keynote address** of the *Swiss Society for Medical Laser Applications*, Zurich, Switzerland, January 2006.
92. **Koch, R.J.:** New Lasers and Methods. Presented at the *Swiss Society for Medical Laser Applications*, Zurich, Switzerland, January 2006.
93. **Koch, R.J.:** Current Practices in Nonablative Skin Rejuvenation. Presented at the *Thirteenth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Park City, Utah, February 2006.
94. **Koch, R.J.:** The Pollybeak Deformity. Presented at the *Thirteenth Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Park City, Utah, February 2006.
95. **Koch, R.J.:** The Place for Ablative Resurfacing. Presented at the *Australasian Academy of Facial Plastic Surgery, Australasian College of Cosmetic Surgery, and Cosmetic Physicians Society of Australasia Combined Conference*, Adelaide, Australia, April 2006.
96. **Koch, R.J.:** A Quick Overview of Browlift Selection. Presented at the *Australasian Academy of Facial Plastic Surgery, Australasian College of Cosmetic Surgery, and Cosmetic Physicians Society of Australasia Combined Conference*, Adelaide, Australia, April 2006.
97. **Koch, R.J.:** Prevention and Correction of Nasal Tip Bossae. Presented at the *Australasian Academy of Facial Plastic Surgery, Australasian College of Cosmetic Surgery, and Cosmetic Physicians Society of Australasia Combined Conference*, Adelaide, Australia, April 2006.
98. **Koch, R.J.:** Thermage. **Keynote address** of the *Australasian Academy of Facial Plastic Surgery, Australasian College of Cosmetic Surgery, and Cosmetic Physicians Society of Australasia Combined Conference*, Adelaide, Australia, April 2006.
99. **Koch, R.J.:** Management of the Pollybeak and Nasal Tip Deformities. Presented at the *Twentieth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2006.

100. **Koch, R.J.:** Treatment of Keloids and Hypertrophic Scars. Presented at the *Twentieth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2006.
101. **Koch, R.J.:** Complications in Laser Skin Resurfacing. Presented at the *Twentieth Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2006.
102. **Koch, R.J.:** Current Practices in Radiofrequency Tissue Tightening. Presented at the *2006 Taiwan Thermage Users' Group Meeting*, Taipei, Taiwan, October 2006.
103. **Koch, R.J.:** Current Practices in Radiofrequency Tissue Tightening of the Eyelids and Body. **Keynote address** of the *5th Anti-Aging Symposium*, Taipei, Taiwan, October 2006.
104. **Koch, R.J.:** The Place for Ablative Resurfacing. Presented at the *2007 Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Vail, Colorado, January 2007.
105. **Koch, R.J.:** Laser Treatment of Various Skin Conditions. Presented at the *3rd Annual International Trends in Aesthetic Facial Rejuvenation*, San Francisco, California, May 2007.
106. **Koch, R.J.:** The Future of Stem Cells & Other Biotechnology in Cosmetic Surgery. Presented at the *Twenty-first Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2007.
107. **Koch, R.J.:** Why Fractionated Resurfacing Makes Sense: Lessons Learned from Deep Laser Peels. Presented at the *Twenty-first Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2007.
108. **Koch, R.J.:** MicroLaserPeel & ProFractional: The Perfect Combination. Presented at the *Twenty-first Annual Symposium on the Latest Advances in Facial Plastic Surgery*, Newport Beach, California, August 2007.
109. **Koch, R.J.:** Minimally Invasive Facelifts. Presented at the *NYC Aging Face Conference*, New York, New York, October 2007.
110. **Koch, R.J.:** Office-based SMAS Rhytidectomy. Presented at the Los Angeles Society of Otolaryngology-Head & Neck Surgery, Los Angeles, California, November 2007.
111. **Koch, R.J.:** Office-Based Expedited SMAS Facelift. Presented at the *2008 Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Vail, Colorado, January 2008.

112. **Koch, R.J.:** Ablative Plus Fractionated Resurfacing: The Perfect Combination. Presented at the *2008 Winter Symposium on the Latest Advances in Facial Plastic Surgery*, Vail, Colorado, January 2008.
113. **Koch, R.J.:** Office-Based SMAS Facelift. Presented at the *AAFPRS Rejuvenation of the Aging Face*, San Francisco, California, April 2008.
114. **Koch, R.J.:** Overview of Browlift Selection. Presented at the *Challenges and Advances in the Management of Craniomaxillofacial Surgery- Focus: Aesthetic Facial Surgery*, San Francisco, California, July 2008.
115. **Koch, R.J.:** Fractionated Resurfacing. Presented at the *Challenges and Advances in the Management of Craniomaxillofacial Surgery- Focus: Aesthetic Facial Surgery*, San Francisco, California, July 2008.
116. **Koch, R.J.:** How I Do It: Facelift Made Practical. Presented at the *8th Annual Otolaryngology Symposium*, Ponte Vedra Beach, Florida, May 2009.
117. **Koch, R.J.:** Lower Eyelid Blepharoplasty. Presented at the *8th Annual Otolaryngology Symposium*, Ponte Vedra Beach, Florida, May 2009.
118. **Koch, R.J.:** An Update on Aesthetic Facial Injectable Products. Presented at the *34th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2010.
119. **Koch, R.J.:** Laser Skin Resurfacing. Presented at the *94th Annual Clinical Assembly of the AOCOO-HNS Foundation*, Orlando, Florida, May 2010.
120. **Koch, R.J.:** Office-Based SMAS Facelift. Presented at the University of California at Irvine, Department of Otolaryngology *Grand Rounds*, Orange, California, May 2010.
121. **Koch, R.J.:** An Update on Aesthetic Facial Injectable Products. Presented at the *35th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2011.
122. **Koch, R.J.:** Current Status of Laser Skin Resurfacing. Presented at the *35th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2011.
123. **Koch, R.J.:** Update on Facial Injectable Products. Presented at the *36th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2012.
124. **Koch, R.J.:** Current Status of Laser Skin Resurfacing. Presented at the *36th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2012.
125. **Koch, R.J.:** A Practical Approach to Incorporating Aesthetic Lasers into an Otolaryngology Practice. Presented at the *37th Midwinter Symposium on*

Practical Surgical Challenges in Otolaryngology, Snowmass, Colorado, February 2013.

126. **Koch, R.J.:** Credible Photography for Otolaryngology-Facial Plastic Surgery. Presented at the *37th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2013.
127. **Koch, R.J.:** New Aesthetic Technology for Otolaryngology-Facial Plastic Surgery. Presented at the *38th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2014.
128. **Koch, R.J.:** Credible Photography for Otolaryngology-Facial Plastic Surgery. Presented at the *38th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*, Snowmass, Colorado, February 2014.

REGIONAL MEETINGS

1. **Koch, R.J. & Brodsky, L.S.:** Large Scale Tonsillar Lymphocyte Culture and Activation by Specific Intact Bacteria in Serum-Free Media. *Research Symposium, School of Medicine and Biomedical Sciences*, Buffalo, New York, April 1989.
2. **Koch, R.J.:** Midface Trauma. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Didactic Lecture Series*, June 1992.
3. **Koch, R.J.:** Head & Neck Manifestations of Neurofibromatosis Type I. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Grand Rounds*, November 1992.
4. **Koch, R.J.:** Pediatric Upper Airway Obstruction & Gastroesophageal Reflux. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Grand Rounds*, January 1993.
5. **Koch, R.J.:** Polymorphic Reticulosis. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Grand Rounds*, July 1993.
6. **Koch, R.J.:** Otoscopic Diagnosis. Presented at the State University of New York at Buffalo, Dept. of Communication Sciences *Lecture Series*, September 1993.
7. **Koch, R.J.:** External Rhinoplasty. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Grand Rounds*, March 1994.
8. **Koch, R.J.:** Local Flaps in Facial Reconstruction. Presented at the State University of New York at Buffalo, Dept. of Otolaryngology *Grand Rounds*, June 1994.

9. **Koch, R.J.** & Heiland, K.: Tonsillar Immunopathology. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *Grand Rounds*, March 1995.
10. **Koch, R.J.:** Endoscopic Techniques in Facial Plastic Surgery. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *Grand Rounds*, March 1996.
11. **Koch, R.J.** & Vaughan, W.: A New Nose. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *Grand Rounds*, May 1997.
12. **Koch, R.J.** & Yao, M.: History of Facial Plastic Surgery. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *Grand Rounds*, January 1998.
13. **Koch, R.J.** & Jackson, L.: History of Rhinoplasty. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *Grand Rounds*, March 1999.
14. **Koch, R.J.** & Falsafi, S.: Facial Reconstruction using Autologous Tissue-Engineered Septal Cartilage. Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *11th Annual Symposium*, June 1999.
15. **Koch, R.J.:** What's New in Facial Plastic Surgery? Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *12th Annual Symposium*, June 2000.
16. **Koch, R.J.:** What's New in Facial Plastic Surgery? Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *13th Annual Symposium*, June 2001.
17. **Koch, R.J.:** What's New in Facial Plastic Surgery? Presented at the Stanford University, Division of Otolaryngology-Head & Neck Surgery *15th Annual Symposium*, June 2003.

RESEARCH INTERESTS

1. Basic science research interests are in wound healing and tissue engineering.
 - a) The wound healing research involves growth factor profiles of normal, keloid-producing, fetal, and irradiated fibroblasts. These fibroblasts are reflective of the full spectrum of wound healing, and our overall goal is to improve the healing of both normal and problem wounds through cytokine manipulation. Differing aspects of this work were funded by a VA Merit Review grant and a corporate grant.

- b) In the tissue engineering work, we have produced histologically-proven hyaline cartilage using serum-free methodology from human septal chondrocytes. The clinical goal is autologous reconstruction of cartilage defects.
2. Primary clinical research interest is in laser/radiofrequency energy – tissue interaction. Industry funding provided complete salary support at Stanford for FY 2003-2004 and FY 2004-2005.

RESEARCH SUPPORT

Title: An Evaluation of Facial Rhytids or Acne Scar Treatment with the ThermoCool System

Source: Clinical Trial Agreement with Thermage, Inc (SPO #31231)

Role: Principal Investigator

Project Period: 6/16/04 – 6/15/06

Title: Effect of Hyperbaric Oxygen on Pressure Ulcer Fibroblasts

Source: VA Merit Review

Role: Principal Investigator

Project Period: 9/1/04 – 8/31/05

Title: Autocrine Growth Factor Production in Radiofrequency Non-Ablative Tissue Tightening

Source: Basic Science Study funded by Thermage, Inc

Role: Principal Investigator

Project Period: 10/1/04 – 9/30/05

Title: Cartilage Autografts for Laryngotracheal Reconstruction

Source: NIH-NIDCD

Role: Principal Investigator

Project Period: Approved for funding

Title: Pelvic Irradiation Feasibility Study (Grant #89161-01; PI: Mirand)

Source: NIH-NCI

Role: Co-Investigator

Project Period: 8/82 - 8/83

Title: Superpulsed CO2 Laser Modulation of Wound Healing

Source: Luxar Corporation

Role: Principal Investigator

Project Period: 3/97 - 3/98

Title: Expansion of Human Septal Chondrocytes in a Serum-Free Environment

Source: University Medical Corporation

Role: Principal Investigator

Project Period: 4/97 - 4/98

Title: Effect of Superpulsed CO₂ Laser on Keloid and Normal Dermal Fibroblast Secretion of Growth Factors: A Serum-Free Study
Source: Stanford University Office of Technology Licensing
Role: Principal Investigator
Project Period: 4/98 - 8/99

Title: Evaluation of Unique Scaffolding Materials for the Tissue Engineering of Human Septal Cartilage
Source: FY 2000 VA Young Investigator Award
Role: Principal Investigator
Project Period: 3/00 - 9/01

Title: Evaluation of Wound Healing Modulators
Source: Educational and Research Foundation of the American Academy of Facial Plastic & Reconstructive Surgery – 2000 Resident Research Grant Award
Role: Mentor: R. James Koch, MD; PI: Matthew Hanasono, MD
Project Period: 7/00 - 6/01

Title: A Randomized Evaluation of Periorbital Wrinkle Treatment with the ThermoCool TC System
Source: Clinical Trial Agreement with Thermage, Inc (SPO #26814)
Role: Principal Investigator
Project Period: 4/15/02 – 4/30/03

TEACHING

1. Residents:
 - a) Operating Room & Rounds
 - b) Clinical Survey Course and Resident Educational Program (Thursday afternoon lecture series) – 18 hours per year (1994 - 2006).
2. Medical Students:
 - a) Operating Room & Rounds
 - b) Course #254: Operative Anatomy and Techniques: Perform cadaver dissection at the anatomy lab demonstrating some commonly performed head and neck surgery operations. (2003 – 2006).
 - c) Course #300A: General Surgery Clerkship. Instruct medical students entering the rotation on how to perform a head and neck examination. Also as part of this clerkship, give a lecture on “Head & Neck Cancer” (2002 – 2006).
 - d) Course #307A: Otolaryngology-Head & Neck Surgery Clerkship; Bimonthly Clinical Lectures– 24 hours per year (1994 - 2006).
 - e) Course #336A: Subinternship in Otolaryngology-Head & Neck Surgery; Bimonthly Clinical Lectures– 24 hours per year (1994 - 2006).
 - f) Course #399: Surgery Research. (1994 - 2006).
3. Undergraduates:

a) Course #1999: Department of Biological Sciences Honors Research Program (1997- 2006).

4. Other:
Facial Plastic & Reconstructive Surgery Conference. Stanford University, Division of Otolaryngology-Head & Neck Surgery; Monthly, September 1994 - June 1995.

MENTORING

Research Trainees

Peter Attia, Stanford Medical Student

Project: Transplantation of Human Septal Chondrocytes Utilizing a Polymer-Cell Construct to Produce Tissue-Engineered Cartilage in a 3-Dimensional Matrix
(**Stanford University Medical Scholars Award**)

Subsequent Position: National Cancer Institute Surgery Branch

Matt Bucknor, Stanford Medical Student

Project: Feasibility of Tissue-Engineered Cartilage Autografts for Laryngotracheal Reconstruction (**Stanford University Medical Scholars Award**)

Subsequent Position: Stanford Medical Student

Richard Cano, Stanford Medical Student

Project: Tissue Engineering of Human Septal Cartilage in Serum-Free Media
(**Stanford University Medical RA through the Early Matriculation Program**)

Project: Enhancement of Tissue Engineering of Human Septal Cartilage Using Hyperbaric Oxygen (**Stanford University Medical Scholars Award**)

Subsequent Position: Stanford Medical Student

Lisa Carroll, Stanford Medical Student

Project: Growth Factor Profiles of Fetal, Normal and Keloid Fibroblasts (**Two Stanford University Medical Scholars Awards: 1999 Mayreta Allen Scholar Award and 2000 Halter Scholar Award**)

Subsequent Position: University of Chicago Dermatology Resident

Brian Dunham, Stanford Medical Student

Project: Development of a Serum-free Medium for Human Nasoseptal Cartilage
(**Stanford University Medical Scholars Award**)

Subsequent Position: Johns Hopkins Otolaryngology Resident

Michael Ho, Stanford Medical Student

Project: Effect of Hyperbaric Oxygen on the Growth Factor Profile of Fibroblasts

Subsequent Position: Stanford Medical Student

Duke Trinh Khuu, Stanford Medical Student

Project: In Vitro Tissue Engineering Utilizing Ethisord (PDS-Vicryl) Scaffolds in the Synthesis of Naso-Septal Cartilage Constructs (**Stanford University Medical Scholars Award**)

Subsequent Position: SUNY-Stony Brook Dermatology Resident

Sermsin Shaun Kunnavatana, Stanford Medical Student

Project: Hyperbaric Oxygen and Antioxidant Therapy Effects on Irradiated Dermal Fibroblast Wound Healing (**Stanford University Medical Scholars Award**)

Project: Autocrine Growth Factor Production in Radiofrequency Non-Ablative Tissue Tightening (**Stanford University Medical Scholars Award**)

Subsequent Position: Stanford Anesthesia Resident

Matthew McCormack, Stanford Medical Student

Project: Autocrine Growth Factor Production by Tretinoin and Copper Tripeptide in a Serum-free Fibroblast Model (**Stanford University Medical Scholars Award; Stanford University Research Travel Award**)

Subsequent Position: Stanford Urology Resident

Tracy So, Stanford Medical Student

Project: Effects of Mitomycin-C on Normal Dermal and Keloid Fibroblasts (**Stanford University Medical Scholars Award**)

Project: Continuation of Effects of Mitomycin-C on Normal Dermal and Keloid Fibroblasts (**Stanford University Medical Scholars Award**)

Subsequent Position: Washington University (St. Louis) Plastic Surgery Resident

Devin Lonergan, Stanford Undergraduate

Project: Evaluation of TGF-Beta and bFGF Levels in Irradiated and Normal Dermal Fibroblasts In Vitro (**Department of Biological Sciences Honors Program**) (**2001 Stanford University Deans' Award for Academic Achievement** – based upon Biology Honors Thesis)

Subsequent Position: Stanford Otolaryngology Resident

Susan Y. Quan, Stanford Undergraduate

Project: Effect of Hyperbaric Oxygen on the Wound Healing (**Department of Biological Sciences Honors Program**)

Subsequent Position: Johns Hopkins Medical Student

Steve Ronson, Stanford Undergraduate

Project: Novel Methods in Wound Healing Modulation (**Department of Biological Sciences Honors Program**)

Subsequent Position: University of Maryland Medical Student

Jason Talbott, Stanford Undergraduate

Project: Novel Methods in Tissue Engineering

Subsequent Position: University of Louisville Medical Student

Denise Whitfield, Stanford Undergraduate

Project: Characterization of the Fetal Fibroblast (**Department of Biological Sciences Honors Program**)

Subsequent Position: UCLA Medical Student

Theodore Chen MD, Stanford Otolaryngology Resident

Project: Effects of Mitomycin-C on Normal Dermal and Keloid Fibroblasts (Research Elective)

Subsequent Position: Facial Plastic Surgery Fellowship

Elbert Cheng MD, Stanford Otolaryngology Resident

Project: Effects of Blended CO₂ and Erbium:YAG Laser Energy on Keloid and Normal Fibroblast Secretion of Growth Factors (Research Elective) (**Vice President Award for best paper submitted in 1999 to The American Laryngological, Rhinological and Otological Society; 1999 National Society Award for best resident paper submitted to the Western Section of The American Laryngological, Rhinological and Otological Society**)

Subsequent Position: Physician, Mountain View

Matthew M. Hanasono MD, Stanford Otolaryngology Resident

Project: Wound Healing Enhancement by Modulation of Fibroblast Autocrine Growth Factor Production Using Tamoxifen and Topical Silicone (Research Elective) (**2000 American Academy of Facial Plastic & Reconstructive Surgery Resident Research Grant Award; 2001 Residency Travel Award from the American Academy of Facial Plastic & Reconstructive Surgery**)

Subsequent Position: MD Anderson Microvascular Surgery Fellow

Thomas Kang MD, Stanford Otolaryngology Resident

Project: Effect of Hyperbaric Oxygen on the Growth Factor Profile of Fibroblasts (Research Elective)

Subsequent Position: Facial Plastic Surgery Fellow (Missouri)

Anthony Mikulec MD, Stanford Otolaryngology Resident

Project: Characterization of the Irradiated Fibroblast: An In Vitro Study of Sub-optimal Healing (Research Elective) (**Vice President Award for best paper submitted in 2000 to The American Laryngological, Rhinological and Otological Society; 2001 First Place Award for the Bay Area Residents' Research Symposium**)

Subsequent Position: Chief of Otolaryngology and Neurotology, St. Louis University School of Medicine.

Kenneth C. Nowak MD, Stanford Otolaryngology Resident

Project: Effect of Superpulsed CO₂ Laser Energy on Keloid and Normal Dermal Fibroblast Secretion of Growth Factors (Research Elective) (**1999 American Society of Laser Medicine and Surgery Resident Research Award**)

Subsequent Position: Physician, Salinas

Justin Ortiz MD, Stanford Otolaryngology Resident

Project: Effects of Hyperbaric Oxygen on the Growth and Expression of Growth Factors by Normal and Irradiated Fibroblasts (Research Elective)

Subsequent Position: University of Washington (Seattle) Research Fellowship

Jeffrey Pollard MD, Stanford Otolaryngology Resident

Project: Effects of Copper Tripeptide on the Growth and Expression of Growth Factors by Normal and Irradiated Fibroblasts (Research Elective)

Subsequent Position: Facial Plastic Surgery Fellowship

Mauro Ruffy MD, Stanford Otolaryngology Resident
Project: Effects of b-FGF on Irradiated Human Fibroblasts (Research Elective)
Subsequent Position: Facial Plastic Surgery Fellowship

Patricia Yoon MD, Stanford Otolaryngology Resident
Project: Methods to Correct Nasal Tip Bossae (Research Elective)
Subsequent Position: Assistant Professor, Pediatric Otolaryngology, University of Colorado

Justin Lo, University of Rochester Medical Student
Project: Novel Methods in Tissue Engineering
Subsequent Position: UCI Anesthesia Resident

Edgar Fincher MD, Stanford Surgery Resident
Project: Novel Methods in Tissue Engineering
Subsequent Position: Univ. Tennessee Otolaryngology Resident

Raymond Hong, UC-Berkley Undergraduate
Project: Growth of Keloid-Producing Fibroblasts in Commercially Available Serum-free Media
Subsequent Position: NYU Medical Student

Danielle Miller, UC-Berkley Undergraduate
Project: Development of the Cell Line "AY-RJK" for the Study of Lipogenic tumors
Subsequent Position: UC-Berkley Undergraduate

Magdalena Kita, SF State Undergraduate
Project: Aspects of 3D Growth of Human Septal Cartilage (**Stanford University Medical Center Auxiliary Scholarship Award**)
Subsequent Position: SF State Undergraduate

Clay Biles, UC Davis Undergraduate
Project: Enhancement of Tissue Engineering of Human Septal Cartilage Using Hyperbaric Oxygen
Subsequent Position: US Special Forces

Sassan Falsafi MD, Post-Doctoral Research Fellow
Project: Tissue Engineering of Human Septal Cartilage for Head & Neck Reconstruction
Subsequent Position: Boston University Otolaryngology Resident

Krishna Gorti MD, Post-Doctoral Research Fellow
Project: Serum-Free Tissue Engineering of Human Septal Cartilage
Subsequent Position: Stanford Surgery Resident

Pohjin Tew MD, Visiting Post-Doctoral Research Fellow (Univ. of Australia)
Project: Novel Methods in Tissue Engineering of Cartilage
Subsequent Position: Staff Physician, Univ. of Australia

Sina Nasri MD, Stanford Facial Plastic Surgery Fellow

Project: Enhancement of Wound Healing following Laser Skin Resurfacing
Subsequent Position: Physician, Las Vegas

James Newman MD, Stanford Facial Plastic Surgery Fellow
Project: Wound Healing Characteristics of Occlusive Dressings
Subsequent Position: Physician, San Mateo

David Utley MD, Stanford Facial Plastic Surgery Fellow
Project: Use of Leeches for the Failing Flap
Subsequent Position: Consultant for medical device companies

David Greene MD, Stanford Facial Plastic Surgery Fellow
Project: Efficacy of Cyanoacrylate Tissue Glue in Blepharoplasty: A Prospective Controlled Study of Wound Healing Characteristics (**AAFPS 1999 John Orlando Roe Award for best fellowship research paper**)
Subsequent Position: Staff Physician, Cleveland Clinic

Christopher Hove MD, Stanford Facial Plastic Surgery Fellow
Project: Efficacy of Fibrin Sealant in Short-flap Rhytidectomy
Subsequent Position: Physician, Temecula

John Bennett MD, Stanford Facial Plastic Surgery Fellow
Project: Quantitative Analysis of Rhytidectomy Results
Subsequent Position: Physician, Salt Lake City

Scott Chiang MD, Stanford Facial Plastic Surgery Fellow
Project: Objective Methods of Assessing Changes in Brow Position
Subsequent Position: Physician, Kaiser-Hayward

Faculty Mentor

Theodore Chen MD
Matthew M. Hanasono MD
Thomas Kang MD

**MASTER OF SCIENCE
DEGREE THESIS**

Characterization of Human Medullary Thyroid Carcinoma ("TT") Cell Line. Development and establishment of first MTC cell line in vitro, with preservation of malignant properties in vivo (athymic mouse model). Currently used as prototype for MTC somatostatin production and gene expression. Roswell Park Memorial Institute (1981 - 1983).

ACADEMIC PROGRAMS

Co-Director of Academy Meetings,

2001 American Academy of Facial Plastic & Reconstructive Surgery Fall Meeting

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Denver, Colorado; September 5-8, 2001

2001 American Academy of Facial Plastic & Reconstructive Surgery Controversies in Facial Plastic Surgery Meeting

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Key Largo, Florida; October 26-28, 2001

Course Director,

**Stanford University Division of
Otolaryngology-Head & Neck Surgery
*8th Alumni Day Program and Laser Cosmetic
Skin Resurfacing Course***

Stanford, CA; June 29-30, 1996

**State-of-the-Art Aesthetic Surgery Congress
*Laser CO₂ Course***

Antibes, France; April 26, 1997

**Stanford University Division of
Otolaryngology-Head & Neck Surgery
*9th Annual Symposium Program***

Stanford, CA; June 27-28, 1997

10th Annual Symposium Program

Stanford, CA; June 26-27, 1998

***11th Annual Symposium Laser Skin Resurfacing
Course***

Stanford, CA; June 19, 1999

***12th Annual Symposium Laser Skin Resurfacing
Course***

Stanford, CA; June 24, 2000

***15th Annual Symposium ThermoCool Soft Tissue
Tightening Course***

Stanford, CA; June 21, 2003

The Latest Advances in Facial Plastic Surgery

Sponsored by the California Society of Facial Plastic Surgery
San Francisco, CA; April 29, 2000.

Finesse in Perioperative Rhinoplasty

Masters Seminar, AAFPRS 2000 Spring Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Orlando, FL; May 12, 2000.

Advanced Laser Skin Resurfacing

Instruction Course, AAFPRS 2001 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Washington, DC; September 23, 2000.

Non-Ablative Skin Tightening

Instruction Course, AAFPRS 2001 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Denver, CO; September 8, 2001.

Noninvasive Technology for the Office Setting: Soft Tissue Modification

Instruction Course, AAFPRS 2002 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
San Diego, CA; September 21, 2002.

The Pros and Cons of Academic Facial Plastic Surgery

Instruction Course, AAFPRS 2005 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Los Angeles, CA; September 25, 2005.

Overview of Hypertrophic Scars vs. Keloids

Instruction Course, 9th International Symposium of the
AAFPRS
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Las Vegas, NV, May 2006

Latest Trends in Non-Invasive Aesthetic Procedures

Sponsored by Sciton Lasers Inc.

Walnut Creek, CA; September 16, 2006

Bellevue, WA; November 4, 2006

Scottsdale, AZ; December 2, 2006

Portland, OR; February 10, 2007

Houston, TX; March 10, 2007

Beverly Hills, CA; March 24, 2007

Riverside, CA; April 28, 2007

Walnut Creek, CA; June 2, 2007

Scottsdale, AZ; June 9, 2007

Newport Beach, CA; August 11, 2007

Sacramento, CA; November 3, 2007

Pasadena, CA; February 9, 2008

Scottsdale, AZ; August 16, 2008

Portland, OR; October 11, 2008

Santa Monica, CA; October 18, 2008

Fractional Laser Skin Resurfacing- Medical, Technical & Safety Certification Course

In association with Lutronic Inc and Lifestyle Lift

Phoenix, AZ

Beverly Hills, CA

Sacramento, CA

San Ramon, CA

Denver, CO

Fort Lauderdale, FL

Miami, FL

Tampa, FL

West Palm Beach, FL

Atlanta, GA

Schaumburg, IL

Troy, MI

Cherry Hill, NJ

Long Island, NY

Cleveland, OH

Nashville, TN

Seattle, WA

June-October 2009

Dermal Fillers and Autologous Fat Transfer- Medical & Technical Certification Course

Sponsored by Lifestyle Lift

Boston, MA; July 13, 2010

Reston, VA; July 15, 2010

A Practical Approach to Incorporating Lasers into a Facial Plastic Surgery Practice

Instruction Course, AAFPRS 2012 Fall Meeting

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Washington, DC; September 6, 2012

***The Role of Absorbable Suspension Sutures in Facial
Repositioning & Tightening Certification Course***

Sponsored by xMedica
Danville, CA; February 25, 2017

***ThermiTight and ThermiSmooth in Oculoplastic
Surgery Certification Course***

Sponsored by Thermi
Danville, CA; May 13, 2017

Course Co-Director,

Aspen Update: Latest Advances in Cosmetic Surgery

Sponsored by the Foundation for Facial Plastic Surgery
Aspen, CO; March 11-14, 1999

How to Choose the Best Laser for Your Practice

Masters Seminar, AAFPRS 1999 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
New Orleans, LA; September 25, 1999

***New Devices: Injectable Soft Tissue Fillers,
Microdermabrasion, Use of Modulators in Wound
Healing, and Platelet Gel in Facial Plastic Surgery***

Masters Seminar, AAFPRS 2000 Spring Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Orlando, FL; May 12, 2000.

***Twenty-First Annual Symposium on the Latest
Advances in Cosmetic Surgery of the Face***

Sponsored by the Foundation for Facial Plastic Surgery
Newport Beach, CA; August 2007.

Course Faculty,

***Annual Symposium on the Latest Advances in
Cosmetic Surgery of the Face***

Sponsored by the Foundation for Facial Plastic Surgery
Newport Beach, California
August 1994

August 1995
August 1996
August 1997
August 1998
August 1999
August 2000
August 2001
August 2002
August 2004
August 2005
August 2006
August 2007

Annual Winter Symposium on the Latest Advances in Facial Plastic Surgery

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery

February 1996
March 1997
March 1998
February 1999
March 2001
March 2005
February 2006
January 2007
January 2008

The Extended Subperiosteal Coronal Lift & Endoscopic Forehead Lift Course

Abilene, Texas; June 21-23, 1996

CO2 Laser-Assisted Skin Resurfacing: An Advanced Symposium

Sponsored by Bionet
Aspen, Colorado; August 16-17, 1996

CO2 Laser-Assisted Skin Resurfacing: An Advanced Symposium

Sponsored by the California Society of Plastic Surgeons
San Francisco, California; October 12, 1996

Contemporary Concepts in Facial Endoscopic Surgery

AAFPRS 1997 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
San Francisco, California; September 3, 1997

Laser Surgery Workshop

AAFPRS 1997 Fall Meeting

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
San Francisco, California; September 6, 1997

***International Symposium on CO2 Laser-Assisted Skin
Resurfacing***

Sponsored by Polymed

Frankfort, Germany; September 17, 1997

Regensdorf, Switzerland; September 18 & 19, 1997

Munich, Germany; September 20, 1997

Zurich, Switzerland; October 24, 1998

Cirugia Cosmetica De Parpados Y Zona Periorbitaria

Sponsored by the Servicio de Oculoplastica, Asociacion
para Evitar la Ceguera en Mexico
Mexico City, Mexico; May 15 & 16, 1998

Laser Applications for the Office Setting

Sponsored by the Manhattan Eye, Ear and Throat Hospital
New York, New York

June 12, 1998

November 20, 1998

The Facial Plastic Surgeon in the Digital Age

AAFPRS 1998 Fall Meeting

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
San Antonio, Texas; September 12, 1998

Controversies in Facial Plastic Surgery

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery

Key Largo, FL

October 1998

October 1999

Minimally Invasive Aesthetic Surgery Course

Sponsored by the University of California School of
Medicine

San Francisco, CA

December 1998

November 1999

October 2002

Laser Surgery Workshop

AAFPRS 1999 Spring Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Palm Desert, California; April 30, 1999

International Laser Symposium

Sponsored by Polymed
Grindelwald, Switzerland; January 20 – 22, 2000

Aspen Update: Latest Advances in Cosmetic Surgery

Sponsored by the Foundation for Facial Plastic Surgery
Aspen, Colorado; March 15-18, 2000

Laser Surgery Workshop

AAFPRS 2000 Spring Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Orlando, Florida; May 15, 2000

Facial Plastic Surgery Techniques Dissection Course

AAFPRS 2001 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
Denver, Colorado; September 8, 2001

Winter Forum on the Latest Advances in Facial Plastic Surgery

Sponsored by the Foundation for Facial Plastic Surgery
Lake Tahoe, California
March 2003
February 2004

Laser Surgery Workshop

AAFPRS 8th International Symposium
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
New York, NY; May 1, 2003

Art of Rhinoplasty

Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
San Francisco, CA
October 2003
October 2004

**Challenges and Advances in the Management of
Craniomaxillofacial Surgery- Focus: Aesthetic Facial
Surgery**

Sponsored by AO North America
San Francisco, CA
July 2003
July 2008

***Bay Area Otolaryngology Resident Soft Tissue and
Facial Reconstruction Course***

Sponsored by the University of California, San Francisco
San Francisco, CA; August 21, 2004

Non-Ablative Devices Workshop

AAFPRS 2004 Fall Meeting
Sponsored by the Educational and Research Foundation
for the American Academy of Facial Plastic &
Reconstructive Surgery
New York, NY; September 21, 2004

NYC Aging Face Conference

A Multi-Disciplinary Approach
To The Aging Face
New York, NY; October 4, 2007

8th Annual Otolaryngology Symposium

Sponsored by the New York Head & Neck Institute
Ponte Vedra Beach, FL; May 2, 2009

Panelist,

Endoscopic Brow Lift Fixation

AAFPRS 1996 Spring Meeting (COSM)
Orlando, Florida, May 1996

Plenary Session: Laser Resurfacing

7th International Symposium of the AAFPRS
Orlando, Florida, June 1998

Pediatric Facial Plastic Surgery

2000 Triological Society Western Section Meeting
San Francisco, California, January 2000

Selection of the Optimal Resurfacing Modality

AAFPRS 2000 Spring Meeting (COSM)
Orlando, Florida, May 2000

Current Issues in Skin Resurfacing and Implantation

AAFPRS 8th Annual Winter Symposium

Snowmass, Colorado, March 2001.

FAQs on Surgical Technique

AAFPRS Controversies in Facial Plastic Surgery Meeting
Key Largo, FL; October 2001

Nasal Tip Surgery

AAFPRS Controversies in Facial Plastic Surgery Meeting
Key Largo, FL; October 2001

Office Surgical Procedures

AAFPRS Controversies in Facial Plastic Surgery Meeting
Key Largo, FL; October 2001

**Noninvasive Technology for the Office Setting: Use of
Devices (Moderator)**

AAFPRS 2002 Fall Meeting
San Diego, CA; September 2002

Laser Skin Rejuvenation

8th International Symposium of the AAFPRS
New York, NY; May 2002

Skin Resurfacing (Moderator)

AAFPRS 2004 Fall Meeting
New York, NY; September 2004

Body by Thermage Global Users Meeting (Moderator)

American Society for Aesthetic Plastic Surgery
2006 Annual Meeting
Buena Vista, FL; April 2006

New Techniques in Endoscopic Browlifting (Moderator)

9th International Symposium of the AAFPRS
Las Vegas, NV; May 2006

Is Less More?

AAFPRS Rejuvenation of the Aging Face
San Francisco, CA; April 2008

Free-Paper Discussant,

AAFPRS 2001 Fall Meeting
Denver, Colorado; September 2001

AAFPRS 8th International Symposium
New York, NY; May 2002

AAFPRS 2004 Fall Meeting

New York, NY; September 2004

AAFPRS 2005 Spring Meeting
Boca Raton, FL; May 2005

POST-GRADUATE COURSES (prior 3 years)

Cosmetic Blepharoplasty and Fundamentals of Facelift
Saint Louis University School of Medicine
July, 2016

**Facial Rejuvenation: Incorporating Absorbable
Suspension Sutures for Repositioning & Tightening
Facial Tissue**
Imedex, LLC Department of Continuing Education
October, 2016

**Facial Rejuvenation: Incorporating Absorbable
Suspension Sutures for Repositioning &
Tightening Facial Tissue Facial Rejuvenation**
Imedex, LLC Department of Continuing Education
November, 2016

Human Subjects Research - Biomedical Refresher 1
University of Miami Leonard M. Miller School of Medicine
July, 2017

GCP FDA Refresher course
University of Miami Leonard M. Miller School of Medicine
July, 2017

**Remodel, Refresh, Rejuvenate: A Comprehensive
Approach to Optimizing Aesthetic Outcomes**
Paradigm Medical Communications, LLC
April, 2018

Procedural Dermatology Essential Updates
Oakstone Publishing, LLC
April, 2018

**The Academy for the Advancement of Aesthetics:
Collagen-Stimulating Fillers**
Paradigm Medical Communications, LLC
April, 2018

The Fifth UC Irvine Rhinoplasty Course
University of California, Irvine School of Medicine
May, 2018

Aesthetic Eyelid and Facial Rejuvenation Course 2018
UCLA Stein Eye Institute, David Geffen School of Medicine
at UCLA
July 2018

**RESEARCH FELLOWSHIPS
AND HONORS**

Research Fellow

Developed **screening microplate system** to allow rapid determination of chemosensitivities of intra-operative brain biopsies. Also instructed appropriate research principles to SUNYAB neurosurgery residents. In collaboration with the Surgical Neurology Branch, NIH. Awarded by SUNY at Buffalo School of Medicine, Student Research Committee. Buffalo General Hospital (1986).

Research Scientist

Human Fibroblast (β eta) Interferon Production Project.

First large-scale production of β -IFN - - for use in American Cancer Society clinical trials. Duties included tissue culture of human foreskin fibroblasts for interferon production and assay, determination of anti-viral activity in interferon preparations, preparation of tissue culture media and reagents, sterility and quality control checks, assistance in the purification and safety testing (Phase I trials), and preparation of reports based upon collected data.

Roswell Park Memorial Institute (1981 - 1983).

Research Assistant

National Prostatic Cancer Project. Tested chemotherapeutic agents on LNCaP (prostatic carcinoma) tumor-bearing athymic mice. Prostatic acid phosphatase serum levels were quantified for tumor volume correlations. Prepared manuscript in contribution to on-going project. Roswell Park Memorial Institute (1981).

Sea Semester

Selected as one of the 24 for the twelve-week program aboard the schooner, *R/V Westward*. Independent research was **shark migration** for the National Marine Fisheries Service. Sharks were caught by longline, identified, tagged, and set free pending follow-up. Abstract published in ship's report.

Woods Hole Oceanographic Institute (Summer, 1980).

CERTIFICATIONS

Basic Life Support

Advanced Cardiac Life Support

Advanced Trauma Life Support

LANGUAGES

Speak and read French & Spanish with moderate fluency.

PROFESSIONAL SOCIETIES

Fellow, American Academy of Facial Plastic & Reconstructive Surgery

Fellow, American Society for Laser Medicine and Surgery

Fellow, American Academy of Otolaryngology-Head & Neck Surgery

Association for Research in Otolaryngology

Member, California Medical Association

Member, Santa Clara County Medical Association

Member, Wound Healing Society

EMPLOYMENT

Track Physician

Emergency & trauma services for drivers & crew
Grand Prix of Long Beach, Ca. (Indy Cars)
April 1991

Ice Hockey Instructor

Elmira College Hockey School (1977, 1978)
Buffalo Sabres Hockey School (1979, 1981)

ACTIVITIES: PROFESSIONAL

INSTITUTIONAL SERVICE

Faculty-Student Partnership Program

Stanford University School of Medicine
2003-2006

**Stanford Sports Medicine Program
Facial Injuries Consultant**
Stanford University School of Medicine
2003-2006

URO (Undergraduate Research) Grant Reviewer
Stanford University
2003-2006

**Stanford Representative, Otolaryngology Scientific
Committee**
Council on Scientific Affairs
California Medical Association
2001-2006

Fellowship Co-Director
In Advanced Facial Plastic & Reconstructive Surgery
Accredited by the American Academy of Facial Plastic &
Reconstructive Surgery
Stanford University Medical Center
2000-2006

**Chairman, Head & Neck Surgery Credentials
Committee**
Stanford University Medical Center
1996-2001

Admissions Committee
Stanford University School of Medicine
1996- 2000

Search Committee
Dermatologic/Mohs Surgeon
Department of Dermatology
Stanford University Medical Center
1996-1997

**Director,
Wound Healing & Tissue Engineering Laboratory**
Dept. of Veterans Affairs-
Palo Alto Health Care System
1995-2006

Multidisciplinary Cancer Committee
Department of Veterans Affairs- Palo Alto Health Care
System
1995-2006

Graduate Medical-Dental Education Consortium
State University of New York at Buffalo

Representative for Dept. of Otolaryngology Resident Staff
1992 - 1994

"Seven Doctors On-Call"

Regular feature involving responding to viewer Ear, Nose & Throat questions on local television news health segment.
1992 - 1993

Orientation Committee

State University of New York at Buffalo, School of Medicine
1985

Admissions Committee

SUNYAB, Roswell Park Memorial Institute Graduate
Division
1981 - 1982

NATIONAL

Chairman, Western Region Credentials Committee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
2006-

**Chairman, Evaluation and Oversight
Subcommittee of the CME Committee**

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
2004-

Guest Examiner- ABO

Examiner for the oral portion of the American Board of
Otolaryngology certification examination.
2001-

Task Force on New Materials- ABO

Writing and evaluating questions for the American Board of
Otolaryngology certification examination
2001-

Professional Liability Committee

American Academy of Otolaryngology-Head & Neck
Surgery
2000-2005

Chairman, Educational Design

Subcommittee of the CME Committee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1999-2003

Fellowship Committee

Fellowship Research Review Subcommittee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1999- 2005

CME Advisory Committee

Educational and Research Foundation for the American
Academy
of Facial Plastic and Reconstructive Surgery
1999-

Multimedia Committee

Worldwide Web Subcommittee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1997-2003

Fellowship Committee

Fellowship Curriculum Subcommittee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1997-2006

Suture Manual Task Force

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1997-1998

Honorary President,

Mexican Academy of Laser Surgery

1997-1998

Specialty Surgery Committee

Cleft Lip/Cleft Palate Subcommittee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1996-1999

CME Committee

Spring/Fall Program Subcommittee

Educational and Research Foundation for the American
Academy of Facial Plastic and Reconstructive Surgery
1995-2005

STATE/LOCAL

Executive Committee

California Otolaryngology-Head & Neck Surgery Society

2002-

Board of Directors

California Society of Facial Plastic Surgery
1999-2003

Delegate, Specialty Society Delegation

CA Otolaryngology-Head & Neck Surgery Society
California Medical Association
1997-

Member, Physician Advisory Committee

On Outpatient Settings & Physician Advertising
California Medical Association
1999-

COMMUNITY

The Gorilla Foundation

Consulting Otolaryngologist

Volunteer assistance in diagnosis and treatment of Ear,
Nose & Throat problems for Koko (the sign-language
gorilla).

2004-2018

San Francisco Zoo

Consulting Otolaryngologist

Volunteer assistance in diagnosis and treatment of Ear,
Nose & Throat problems in SF Zoo primates.

1999-

ACTIVITIES: PERSONAL

Sailing, Skiing, Dogs, Medical Computing

September 3, 2023