

Jeffrey S. Orringer, M.D.
Associate Professor of Dermatology, Clinical Track
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EDUCATION

- September 1986-May 1990 Brown University, Providence, Rhode Island (A.B., Biology),
(Highest honors)
- September 1990-June 1994 Harvard Medical School, Boston, Massachusetts (Doctorate of
Medicine)

POST-GRADUATE TRAINING

- June 1994-June 1997 Resident, Integrated Plastic Surgery, Department of Surgery,
University of Michigan, Ann Arbor, Michigan
- July 1997-June 2000 Resident, Department of Dermatology, University of Michigan, Ann
Arbor, Michigan
- July 1998-June 2000 Clinical Research Fellow, Clinical Pharmacology Unit, Department
of Dermatology, University of Michigan, Ann Arbor, Michigan
(Director: Sewon Kang, M.D.)
- July 1998-June 2000 Melanoma Extracurricular Training Program, Multidisciplinary
Melanoma Clinic, Department of Dermatology, University of
Michigan, Ann Arbor, Michigan (Director: Timothy M. Johnson,
M.D.)
- July 2000-June 2002 American College of Mohs Micrographic Surgery and Cutaneous
Oncology Fellowship, Cutaneous Surgery & Oncology, Department
of Dermatology, University of Michigan, Ann Arbor, Michigan
(Director: Timothy M. Johnson, M.D.)

CERTIFICATION AND LICENSURE

- Certification: American Board of Dermatology, October 2000
University of Michigan Laser Certified, 2000-present
American College of Mohs Micrographic Surgery & Cutaneous Oncology, 2002
- Medical Licensure: State of Michigan

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

July 2000-June 2002	Lecturer, Clinical Track, Department of Dermatology, University of Michigan Medical School
July 2002-Sept 2007	Assistant Professor, Clinical Track, Department of Dermatology, University of Michigan Medical School
Sept 2007-present	Associate Professor, Clinical Track, Department of Dermatology, University of Michigan Medical School
July 2002-present	Director, Cosmetic Dermatology and Laser Center, Department of Dermatology, University of Michigan
2002-present	Member, Cutaneous Oncology Program, University of Michigan Comprehensive Cancer Center

RESEARCH INTERESTS

1. Molecular mechanisms of cutaneous laser therapy
2. Laser and light-based therapy for acne vulgaris
3. Laser therapy as possible prophylaxis against non-melanoma skin cancer
4. Dermal matrix remodeling after ablative and non-ablative laser therapy
5. Psychosocial characteristics of dermatologic patients

GRANT SUPPORT

Present and Active Support

NIH Training Grant. 5T32AR07197-24. Cell and Molecular Dermatology Principal Investigator: James T. Elder, M.D., Ph.D., Primary Preceptor: Jeffrey S. Orringer, M.D. 5/1/02-4/30/07. \$175,145 (Current year); \$875,725 (Total Grant)

Previous Grant Support

Dermatology Foundation: Patient Directed Investigation Grant, "A Pilot Study Assessing the Utility of Pre-Treatment Tretinoin in CO₂ Laser Resurfacing of Actinically - Damaged Pre-malignant Skin", Principal Investigator: Jeffrey S. Orringer, M.D., July 2001-July 2002, \$20,000 (5% effort)

UMCC Munn Research Grant. "The Effects of a Professionally Produced Videotape on Education and Anxiety/Distress Levels for Patients with a New Diagnosis of Melanoma: A Randomized, Prospective Clinical Outcomes Trial", Principal Investigator: Timothy M. Johnson, M.D., Participating Investigator: Jeffrey Orringer, M.D., July 2001-July 2002, \$15,000 (3% effort)

Dermatology Foundation: Clinical Career Development Award in Dermatologic Surgery. “Non-ablative Laser Therapy: Biochemical Mechanisms and Clinical Correlations”, Principal Investigator: Jeffrey S. Orringer, M.D., July 2002-July 2005, \$165,000 (20% effort)

SCIENTIFIC/SCHOLARLY ACTIVITIES

Sub-investigator, Department of Dermatology, Clinical Pharmacology Unit (Director: Sewon Kang, M.D.) Multiple clinical research trials on acne, rosacea, atopic dermatitis, psoriasis, onychomycosis, photoaging, 1998-2000

University of Michigan (UMMC 2000-0015) Molecular, biochemical, and cellular basis of non-melanoma skin cancer and precancer: Tissue Bank, Andrzej Dlugosz, M.D. (Principal Investigator), Jeffrey Orringer, M.D. (Participating Investigator), 2000-ongoing

University of Michigan (UMMC 2000-0471) The effects of a professionally produced videotape on education and anxiety/distress levels for patients with a new diagnosis of melanoma: a randomized, prospective clinical outcomes trial, Timothy M. Johnson, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2000-2003

University of Michigan (UMMC 2000-0713) Molecular, biochemical, and cellular basis of melanoma and other melanocytic lesions: Tissue Bank, Timothy M. Johnson, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2001-2004

University of Michigan (UMMC 2000-0471): A Pilot Study Assessing the Utility of Pre-Treatment Tretinoin in CO₂ Laser Resurfacing of Actinically-Damaged Pre-malignant Skin, Jeffrey S. Orringer, M.D. (Principal Investigator), 2001- ongoing

University of Michigan (UMMC 2001-0375): Prospective melanoma clinical database. New database continuation from 1992-2000, Timothy M. Johnson, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2001-ongoing

University of Michigan (UMMC 2001-1092) The Effects of Microdermabrasion on Collagen and Elastin Biosynthesis, Darius Karimipour, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2001-ongoing

University of Michigan (UMMC 2002-0338) Non-ablative Laser Therapy for Acne Vulgaris. Sewon Kang, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2002-2004

University of Michigan (UMMC 2002-0763) Non-ablative Laser Therapy for Acne Rosacea, Jeffrey Orringer, M.D. (Participating Investigator), 2002-2004

University of Michigan (UMMC 2002-0578) Non-ablative Laser Therapy: Clinical Efficacy for Photoaged Skin, Jeffrey S. Orringer, M.D. (Principal Investigator), 2002-2006

University of Michigan (UMMC 2002-0577) Non-ablative Laser Therapy for Atrophic Scarring. Jeffrey S. Orringer, M.D. (Principal Investigator), 2002-2006

Patient Examination with MelaFind™ system developed by Electro-Optical Sciences, Inc, (EOS). Jennifer L. Schwartz, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2002-2005

University of Michigan (UMMC 2001-1067): Non-ablative Laser Therapy: Biochemical Mechanisms and Clinical Correlations. Jeffrey S. Orringer, M.D. (Principal Investigator), 2002-ongoing

University of Michigan (UMMC 2002-0717) The Biochemical Effects of Varying Dosage Regimens of Non-Ablative Laser Therapy on Human Skin, Gary Fisher, PhD (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2002-ongoing

University of Michigan (UMMC 2003-0054) CoolTouch Non-ablative Laser Therapy for Acne Vulgaris, Jeffrey S. Orringer, M.D. (Principal Investigator), 2003-ongoing

University of Michigan (UMMC 2003-0781) Varying Treatment Regimens of Microdermabrasion in Subjects with Moderate to Severe Photodamage. Darius Karimipour, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2003-ongoing

University of Michigan (UMMC 2003-0412) The Effects of Injectable Collagen on Human Skin Fibroblast Physiology: A Pilot Study, Sewon Kang, M.D. (Principal Investigator), Jeffrey S. Orringer, M.D. (Participating Investigator), 2003-ongoing

University of Michigan (UMMC 2004-0754) Prevalence of Psychotropic Medication Use Among Cosmetic and Medical Dermatology Patients: A Comparative Study, Jeffrey S. Orringer, M.D. (Principal Investigator), 2004-2006

University of Michigan (UMMC 2004-0202) Impact of Laser-Mediated Photodynamic Therapy on p53 Expression in Photodamaged Skin, Jeffrey S. Orringer, M.D. (Principal Investigator), 2004-ongoing

University of Michigan (UMMC 2004-0817) The Effect of Laser Hair Removal on Markers of Follicular Stem Cells, Jeffrey S. Orringer, M.D. (Principal Investigator), 2004-ongoing

University of Michigan (UMMC 2004-0890) Molecular, biochemical, and cellular basis of non-melanoma skin cancer - Tissue Core, Timothy M. Johnson M.D. (Principal Investigator), Jeffrey S. Orringer M.D. (Participating Investigator), 2004-ongoing

University of Michigan (UMMC 2005-0117) Photodynamic Therapy in the Treatment of Acne Vulgaris, Jeffrey Orringer, MD (Principal Investigator), 2005-ongoing

University of Michigan (UMMC 2005-0368) The Effect of Efudex (5-fluorouracil) Treatment on Photoaged Skin, Dana Sachs, M.D. (Principal Investigator), Jeffrey Orringer, M.D. (Participating Investigator), sponsor: Valeant, 2005-ongoing

University of Michigan (UMMC HUM00005436) Microdermabrasion for Acne Vulgaris, Jeffrey Orringer, M.D. (Participating Investigator), 2006-ongoing

HONORS AND AWARDS

1986	Highest Academic Honors, Ann Arbor Huron High School
1986	National Army Reserve Scholar Athlete Award
1990	Sigma Xi, Scientific Research Honors Society
1990	Magna Cum Laude, Brown University (Highest honors at Brown University)
1990	Honors degree, Biology, Brown University
1997	Bronze Beeper Award for Excellence in the Teaching of Medical Students

2001	Workplace 2001 Award Honor Roll for Exemplary Team
2003-present	Listed in Best Doctors in America
2004-present	Listed in AcademicKeys Who's Who in Medical Sciences Education
2006-present	Listed in Who's Who in America
9/26/2006	Honoree, Outstanding Clinicians Dinner, University of Michigan
2007	Listed in Leading Health Professionals of the World 2007
2007-present	Listed in Hour Detroit magazine's Top Doctors
2007-present	Listed in Vital magazine's Best Doctors in America
2008	UMHS Customer Service Award, Cosmetic Dermatology and Laser Center

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

MEMBER SINCE

American Academy of Dermatology	2000
American Society for Laser Medicine and Surgery, Fellow	2001
Dermatology Foundation	2001
American Society of Dermatologic Surgery	2001
American College of Mohs Micrographic Surgery and Cutaneous Oncology	2002
Association of Academic Dermatologic Surgeons (departmental rotating membership, 2003-2005 - continued membership in 2007)	2003

EDITORIAL POSITIONS, BOARDS, AND PEER-REVIEW SERVICE

2003-2006	Ad hoc Reviewer, <i>Journal of the American Academy of Dermatology</i>
2003-present	Ad hoc Reviewer, <i>Archives of Dermatology</i>
2006-present	Ad hoc Reviewer, <i>Journal of the European Academy of Dermatology and Venereology</i>
2006-present	Assistant Editor, <i>Journal of the American Academy of Dermatology</i>
2006-present	Abstract Review Committee, Cutaneous Research Minisymposium, Society of Investigative Dermatology Annual Meeting
2007-present	Ad hoc Reviewer, <i>Dermatologic Surgery</i>
2007-present	Examination question writer, national dermatologic surgery fellowship in-service examination
2008-present	Editorial Board Member, <i>Journal of the American Academy of Dermatology</i>
2008	CME content reviewer and faculty, Practical Experience and Educational Resources (PEER) in Aesthetics – Residency and Fellowship Educational Initiative

TEACHING

See Educator's Portfolio – attached at end of CV

COMMITTEE, ORGANIZATIONAL, AND VOLUNTEER SERVICE

Committee/Organizational Service:

1987-1990 Representative, Class of 1990, Bio-Medical Curriculum Committee, Brown University

1996 Education Committee, Section of Plastic Surgery, University of Michigan

1997-2000 Education Committee, Department of Dermatology, University of Michigan

2000-present Resident Selection Committee, Department of Dermatology, University of Michigan

2001-present Laser Safety Committee Member, University of Michigan

2003-2004 Lead Policy Writer, Laser Safety Committee, University of Michigan

2004-present Chair, Laser Safety Committee, University of Michigan

2002-present Resident Review/Evaluation Committee, Department of Dermatology, University of Michigan

2002-present Cosmetic Dermatology and Laser Center Forms Committee

2004-present Vascular Anomalies Program, Founding Member, University of Michigan

2004-present Department of Dermatology Mentorship Program, Resident Mentor, University of Michigan

2005-present Lean Thinking Committee/Task Force, Department of Dermatology, University of Michigan

2006-present Data and Safety Monitoring Board, Department of Dermatology, University of Michigan

2006-present Primary preceptor, Training Grant, University of Michigan, Department of Dermatology

2007-present Access Work Group, Department of Dermatology, University of Michigan

Volunteer/Community Service

1987 Co-Director, Student-to-Student Peer Counseling Service, Brown University

1988-1990 Volunteer Tutor and Coordinator for Fox Point Elementary School, Volunteers in Providence Schools, Providence, Rhode Island

1989-1990 Co-Coordinator, Health and Disability Related Volunteer Organizations, Brown Community Outreach

1991-1992 Student LIFE Committee Member, Harvard Medical School

1991-1992 Peer Counselor, Committee for Student Health, Harvard Medical School

1991-1992 Steering Committee, Committee for Student Health, Harvard Medical School

1992 Volunteer Tutor, Lawrence Elementary School, Brookline, Massachusetts

1999-present Volunteer Participant, Departmental Skin Cancer Detection Free Screening Clinic, Department of Dermatology, University of Michigan

2001-present Volunteer Participant, S.C.O.R.E.S Program (Skin Care Outreach Empowers Survivors), American Society for Dermatologic Surgery

2004-present Provided public educational information to lay public through interviews and research noted in numerous regional, national, and international media outlets (National Public Radio, the Wall Street Journal, TIME magazine, CNN, BBC News, Medicine at Michigan, various national magazines) regarding a variety of subjects related to laser therapy and other dermatologic procedures

2007-2008 Hiring Committee, Skyline High School Athletic Department

2008-present Board of Directors, Club Wolverine Swimming

PRESENTATIONS

EXTRAMURAL INVITED PRESENTATIONS

International

“Non-ablative Fractionated Laser Rejuvenation: Is There a Best Device?”, Controversies and Conversations in Laser and Cosmetic Surgery: An Advanced Symposium, Whistler, British Columbia, Canada, August 8, 2008

“Ablative Laser Resurfacing: New Insights on a Gold Standard Procedure”, Laser Update Symposium, University of Toronto, Toronto, Ontario, Canada, December 9, 2005

“Acne Treatment with Lasers and Light Sources: The Jury is Still Out”, Laser Update Symposium, University of Toronto, Toronto, Ontario, Canada, December 9, 2005

“Non-ablative Laser Therapy 2005: Home Runs and Singles”, Laser Update Symposium, University of Toronto, Toronto, Ontario, Canada, December 9, 2005

National

“The Evolution of Photorejuvenation”, Dermatology Foundation Clinical Symposia, Naples, Florida, January 31, 2009

“How to Evaluate a Filler”, Dermatology Foundation Clinical Symposia, Naples, Florida, January 29, 2009

“Emerging Concepts in Photorejuvenation”, Dermatology Foundation Clinical Symposia, Naples, Florida, January 29, 2009

“Molecular Effects of Laser Therapy and Other Cosmetic Treatments for Photodamaged Skin”, Invited Symposium, American Society for Laser Medicine and Surgery Annual Meeting, Kissimmee, Florida, April 3, 2008.

“Complications and Revisions in Laser Surgery”, American Society of Dermatologic Surgery Annual Meeting, Chicago, Illinois, October 12, 2007.

“Treating Acne with Lasers and Light Sources: Slow Progress”, Controversies and Conversations in Laser and Cosmetic Surgery: An Advanced Symposium, Bolton Landing, New York, August 10, 2007

“New Fillers: Options and Opportunities”, Controversies and Conversations in Laser and Cosmetic Surgery: An Advanced Symposium, Bolton Landing, New York, August 11, 2007

“Lasers for Acne: Is There a Role?”, Dermatology Grand Rounds Seminar, Visiting Professor, University of Minnesota, Department of Dermatology, Minneapolis, Minnesota, October 11, 2006

“Non-ablative Laser Therapy: Successes and Remaining Challenges”, Dermatology Residents Seminar, Visiting Professor, University of Minnesota, Department of Dermatology, Minneapolis, Minnesota, October 11, 2006

“Molecular Basis of Photorejuvenation for Wrinkles: Lessons from Ablative Resurfacing and Emerging Evidence from Non-ablative Therapy”, Non-ablative and Collagen Remodeling Workshop, American Society for Laser Medicine and Surgery Annual Meeting, Boston, Massachusetts, April 8, 2006

“Cosmetic Dermatology: Not an Oxymoron”, Association of Academic Dermatologic Surgeons Annual Meeting, Chicago, Illinois, October 1, 2005

“Treating Acne with Lasers and Light Sources: A Definite Maybe”, Controversies and Conversations in Laser and Cosmetic Surgery: An Advanced Symposium, Colorado Springs, Colorado, August 12, 2005

“Ablative Laser Resurfacing: Enhanced Understanding of a Tried and True Approach”, Dermatology Foundation Clinical Symposia, Amelia Island, Florida, April 1, 2005

“Non-ablative Laser Therapy: Benefits and Limitations”, Dermatology Foundation Clinical Symposia, Amelia Island, Florida, April 1, 2005

“NLite Pulsed Dye Laser Therapy for Acne: A Randomized, Controlled Clinical Trial”, Intersociety Liaison Committee Abstract-Based Concurrent Session: Society for Investigative Dermatology, American Academy of Dermatology Annual Meeting, New Orleans, Louisiana, February 20, 2005

“Photorejuvenation – What We Have Learned from Ablative Laser Resurfacing”, Non-Ablative and Collagen Remodeling Workshop, American Society for Laser Medicine and Surgery Annual Meeting, Dallas, Texas, April 2, 2004

Regional

“Botox for Hyperhidrosis: No Sweat”, Botulinum Toxin: Uses in Ophthalmology and Facial Cosmetic Uses Educational Conference, Ann Arbor, Michigan, February 17, 2007

“Cosmetic Uses for Botox: Applications in the Lower Face”, Botulinum Toxin: Uses in Ophthalmology and Facial Cosmetic Uses Educational Conference, Ann Arbor, Michigan, February 17, 2007

“Cosmetic Dermatology and Laser Therapy: a Coding Perspective”, Ann Arbor Chapter of AAPC coding specialists organization, Ann Arbor, Michigan, September 13, 2006

“Non-ablative Laser Therapy: Where We Stand in 2006”, Department of Surgery, Section of Plastic Surgery, Ann Arbor, Michigan, June 12, 2006

“Cosmetic Dermatology and Laser Therapy Update 2005”, 14th Annual Primary Healthcare for Women Conference, University of Michigan, Ann Arbor, Michigan, December 1, 2005

“Restylane Injection Techniques Workshop: Clinical Pearls for the Practicing Dermatologist”, West Bloomfield, Michigan, October 28, 2004

“Lasers for Acne and Photodamage”, Michigan Dermatological Society Meeting, University of Michigan, Ann Arbor, Michigan, April 7, 2004

“Cutaneous Laser Surgery and Cosmetic Dermatology”, 12th Annual Primary Healthcare for Women Conference, University of Michigan, Ann Arbor, Michigan, December 5, 2003

“Laser Resurfacing: Biochemical Mechanisms”, Michigan Dermatological Society Meeting, University of Michigan, Ann Arbor, Michigan, March 12, 2003

“Cutaneous Laser Surgery and Cosmetic Dermatology 2003”, On the Frontiers of Medicine: Learning in Retirement Series, University of Michigan, Ann Arbor, Michigan, February 13, 2003

“Cutaneous Laser Surgery: Pediatric Applications”, Department of Pediatrics - General Pediatrics Primary Care Update Series, University of Michigan, Ann Arbor, Michigan, September 26, 2002.

OTHER PRESENTATIONS – National, Regional, and Local

“Fractionated Laser Resurfacing Workshop”, Department of Dermatology, University of Michigan, May 29, 2008

“Cutaneous Laser Therapy: Indications and Complications”, Department of Dermatology, University of Michigan, March 12, 2008

“Hands-on Preparation and Injection of Botox: Resident Workshop”, Department of Dermatology, University of Michigan, March 6, 2008

“All About Botox and How to Choose a Filler”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 5, 2008

“Molecular Effects of Photodynamic Therapy for Photodamaged Human Skin”, American Society of Dermatologic Surgery Annual Meeting, Chicago, Illinois, October 14, 2007

“Hyaluronic Acid Filler Hands-on Resident Workshop”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, October 4, 2007

“Sclerotherapy and Lasers: Hands-on Workshop for Senior Residents”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, June 7, 2007

“Lasers in Dermatology: Cosmetic and Medical Uses”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, May 16, 2007

“Botox – a Practical How To Workshop”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 15, 2007

“Laser Therapy in Dermatology”, Medical Sequence II Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 20, 2006

“Restylane Injection Techniques Workshop”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 14, 2006

“Lasers in the Treatment of Acne Vulgaris”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, June 14, 2006.

“Botox Injection Techniques Workshop for Senior Residents II”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 9, 2006

“Botox Injection Techniques Workshop for Senior Residents I”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 2, 2006

“Laser Board Review and the Latest on Non-ablative Lasers”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, February 22, 2006

“Laser Therapy in Dermatology”, Medical Sequence II Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 14, 2005

“Restylane Injection Techniques Workshop for Senior Residents II”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, November 10, 2005

“Dermal Matrix Remodeling Following Non-ablative Laser Therapy”, American Society for Dermatologic Surgery Annual Meeting, Atlanta, Georgia, October 30, 2005

“Restylane Injection Techniques Workshop for Senior Residents I”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, September 7, 2005

“Laser Update: Ablative and Non-ablative Therapy”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, April 27, 2005

“Laser Basics”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, February 1, 2005

“Laser Therapy in Dermatology”, Medical Sequence II Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 15, 2004

“Approach to the Aging Face, Part II”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, June 30, 2004

“Cosmetic Dermatology and Laser Center”, Brown Bag Lunch Series, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, June 8, 2004

“CO₂ Laser Resurfacing Decreases p53-Positive Immunostaining in Photodamaged Human Skin”, American Society for Laser Medicine and Surgery Annual Meeting, Dallas, Texas, April 3, 2004

“Restylane Injection Techniques Workshop for Senior Residents”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 4, 2004

“Approach to the Aging Face, Part I”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, January 24, 2004

“Laser Therapy in Dermatology”, Medical Sequence II Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 17, 2003

“Physician Extenders and Residents in Laser Therapy”, Credentials Committee, University of Michigan, Ann Arbor, Michigan, September 16, 2003

“Cosmetic Dermatology and Lasers: Clinical Cases”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, June 6, 2003.

“Principles of Laser Surgery”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, May 30, 2003.

“Molecular Basis of Connective Tissue Remodeling Induced by CO₂ Laser Resurfacing”, American Society for Laser Medicine and Surgery Annual Meeting, Anaheim, California, April 12, 2003.

“Lasers in Dermatology”, Medical Sequence II Lecturer, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, December 18, 2002.

“Selected Cutaneous Deep Fungal Infections”, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, September 20, 2002.

“Cosmetic Dermatology and Laser Center – What We Do”, Staff In-service, Central Transcription, Registry, Coding Units, University of Michigan, May 3, 2002

“Lasers in Dermatology”, Department of Dermatology, Medical Sequence II Lecturer, December, 2001 Lasers in Dermatology.

“Cosmetic Dermatology and Laser Consultations,” Department of Dermatology, University of Michigan, Ann Arbor, Michigan, August 22, 2001.

“Lasers in Dermatology 202,” Department of Dermatology, University of Michigan, Ann Arbor, Michigan, August 20, 2001.

“Cosmetic Dermatology,” In-service, Department of Dermatology, University of Michigan, Ann Arbor, Michigan, March 1, 2001.

“Selected Viral Exanthemas,” Department of Dermatology, University of Michigan, Ann Arbor, Michigan, May 27, 1998.

“Deep Fungal Infections,” Department of Dermatology, University of Michigan, Ann Arbor, Michigan, February 22, 1999.

“Panniculitis,” Department of Dermatology, University of Michigan, Ann Arbor, Michigan, October 20, 1999.

BIBLIOGRAPHY

Peer-Reviewed Journals and Publications

1. Lazor JB, **Orringer JS**, Fried MP: Obstructive sleep apnea. *Current Opinion in Otolaryngology and Head and Neck Surgery* 2:262-270, 1994.
2. **Orringer JS**, Barcelona V, Buchman SR: Reasons for removal of rigid internal fixation devices in craniofacial surgery. *The Journal of Craniofacial Surgery* 9(1):40-44, 1998.
3. **Orringer JS**, Kang S, Hamilton T, Schumacher W, Cho S, Hammerberg C, Fisher GJ, Karimipour DJ, Johnson TM, Voorhees JJ. Treatment of acne vulgaris with a pulsed dye laser: a randomized controlled trial. *JAMA* 291:2834-2839, 2004.
4. **Orringer JS**, Johnson TM, Kang S, Karimipour DJ, Hammerberg C, Hamilton T, Voorhees JJ, Fisher GJ. Effect of carbon dioxide laser resurfacing on epidermal p53 immunostaining in photodamaged skin. *Archives of Dermatology* 140:1073-1077, 2004.
5. **Orringer JS**, Kang S, Johnson TM, Karimipour DJ, Hamilton T, Hammerberg C, Voorhees JJ, Fisher GJ. Connective tissue remodeling induced by carbon dioxide laser resurfacing of photodamaged human skin. *Archives of Dermatology* 140:1326-1332, 2004.
6. Wang TS, Schwartz JL, Karimipour DJ, **Orringer JS**, Hamilton T, Johnson T. An education-theory based method to teach and assess core procedural skills: a pilot study. *Archives of Dermatology* 140:1357-1361, 2004.
7. **Orringer JS**, Kang SW, Johnson TM, Karimipour DJ, Hamilton T, Hammerberg C, Voorhees JJ, Fisher GJ. Tretinoin treatment before carbon-dioxide laser resurfacing: a clinical and biochemical analysis. *Journal of the American Academy of Dermatology* 51: 940-946, 2004.
8. Karimipour DJ, Kang S, Johnson TM, **Orringer JS**, Hamilton T, Hammerberg C, Voorhees JJ, Fisher G. Microdermabrasion: a molecular analysis following a single treatment. *Journal of the American Academy of Dermatology* 52:215-223, 2005.

9. Sabel MS, Strecher V, Schwartz JL, Wang TS, Karimipour DJ, **Orringer JS**, Johnson T, Bichakjian CK. Patterns of internet use and impact on patients with melanoma. *Journal of the American Academy of Dermatology* 52:779-785, 2005.
10. Karimipour DJ, Schwartz JL, Wang TS, Bichakjian CK, **Orringer JS**, Hamilton T, Huang CC, Johnson TM. What is the microstaging accuracy after subtotal incisional biopsy of cutaneous melanoma. *Journal of the American Academy of Dermatology* 52: 798-802, 2005.
11. **Orringer JS**, Fendrick AM, Trask PC, Bichakjian CK, Schwartz JL, Wang TS, Karimipour DJ, Johnson TM. The effects of a professionally-produced videotape on education and anxiety/distress levels for patients with a new diagnosis of melanoma: a randomized, prospective clinical trial. *Journal of the American Academy of Dermatology* 53:224-229, 2005.
12. **Orringer JS**, Voorhees JJ, Hamilton T, Hammerberg C, Kang S, Johnson TM, Karimipour DJ, Fisher G. Dermal matrix remodeling after nonablative laser therapy. *Journal of the American Academy of Dermatology* 53:775-782, 2005.
13. **Orringer JS**, Helfrich Y, Hamilton T, Friedman C, Johnson TM, Sachs, DL. Prevalence of psychotropic medication use among cosmetic and medical dermatology patients: A comparative study. *Journal of the American Academy of Dermatology* 54:416-419, 2006.
14. Karimipour DJ, Kang S, Johnson TM, **Orringer JS**, Hamilton T, Hammerberg C, Voorhees JJ, Fisher G. Microdermabrasion with and without aluminum oxide crystal abrasion: A comparative molecular analysis of dermal remodeling. *Journal of the American Academy of Dermatology* 54:405-410, 2006.
15. **Orringer JS**, Hammerberg C, Lowe L, Kang S, Johnson T, Hamilton T, Voorhees J, Fisher G. The effects of laser-mediated hair removal on immunohistochemical staining properties of hair follicles. *Journal of the American Academy of Dermatology* 55:402-407, 2006.
16. Wang F, Garza LA, Kang S, Varani J, **Orringer JS**, Fisher GJ, Voorhees JJ. In vivo stimulation of *de novo* collagen production caused by cross-linked hyaluronic acid dermal filler injections in photodamaged human skin. *Archives of Dermatology* 143:155-163, 2007.
17. **Orringer JS**, Kang S, Maier L, Johnson TM, Sachs DL, Karimipour DJ, Helfrich YR, Hamilton T, Voorhees JJ. A randomized, controlled, split-face clinical trial of 1320 nm Nd:YAG laser therapy in the treatment of acne vulgaris. *Journal of the American Academy of Dermatology* 56:432-438, 2007.
18. Do TT, Zarkhin S, **Orringer JS**, Nemeth S, Hamilton T, Sachs D, Voorhees JJ, Kang S. Computer-assisted alignment and tracking of acne lesions indicate that most inflammatory lesions arise from comedones and *de novo*. *Journal of the American Academy of Dermatology* 58:603-608, 2008.

19. **Orringer JS**, Hammerberg C, Hamilton T, Johnson TM, Kang S, Sachs DL, Fisher GJ, Voorhees JJ. Molecular effects of photodynamic therapy for photoaging. *Archives of Dermatology* (accepted).

Peer-reviewed Letters

1. **Orringer JS**, Kang S, Johnson TM, Fisher GJ, Voorhees JJ. Pulsed dye laser treatment of acne vulgaris. *JAMA* 292:1430, 2004 ([letter to the editor](#)).

Non-peer reviewed Publications – Book Reviews

1. **Orringer JS** review of: Emil Bisaccia and Dwight A. Scarborough, "The Columbia Manual of Dermatologic Cosmetic Surgery, First Edition", McGraw Hill, New York, NY, 2002. Reviewed for *Archives of Facial Plastic Surgery* 4:272, 2002.
2. **Orringer JS** review of: Arnold Klein, "Tissue Augmentation in Clinical Practice, Second Edition", Taylor and Francis Group, New York, NY, 2006. Reviewed for *Journal of the American Academy of Dermatology* 55:548, 2006.

Non-Peer reviewed articles

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EDUCATOR'S PORTFOLIO *per UM format* – Jeffrey S. Orringer, MD

My role at the University of Michigan encompasses all three components of the mission triangle with a pursuit of excellence in clinical service, research, and teaching. I dedicate approximately

20% direct effort to educational activities. I have had a long-standing interest in medical education and curriculum development beginning during my undergraduate years, extending into my residency training, and in recent years with the development of a teaching curriculum in laser therapy and cosmetic dermatology for our dermatology residents. I also serve as a resident mentor (as chosen by the residents themselves) and am actively involved in the department's ongoing review of the residents' curriculum and performance.

TEACHING ACTIVITIES

Quantitative:

Medical Students:

2001-present:	M-2 Students: MSII Dermatology Sequence Lecturer (yearly), Lasers in Dermatology
2005-present:	MSII Dermatology Sequence Medical Student Consultation Workshop
2001-present	Approximately three to four lectures/year, Dermatology Clerkship students: Basic Science of Lasers, Clinical Laser Surgery, etc.
2000-2002	M-3 and M-4 Students, Skin Cancer and General Dermatology Clinic (half day per week)
2000-2002	M-3 and M-4 Students, Cutaneous Surgery and Oncology Clerkship, multidisciplinary melanoma clinic (one week per month)
2000-present:	M-3 and M-4 Students, Cutaneous Surgery and Oncology Clerkship (four week rotation with direct bedside teaching two to three days per week from 2000-2003 and currently at least one half day per month)
2000-present	Medical students in the Cutaneous Surgery and Oncology Clerkship may choose to spend one to two weeks during the one month clerkship rotating through the Cosmetic Dermatology and Laser Center, Primary Preceptor

Residents:

2000-present	Approximately three to four didactic lectures per year, Dermatology daily resident teaching conference, Basic Science of Lasers, Clinical Laser Surgery, Treatment of the Aging Face, Laser Therapy for Acne, etc.
2000-2002	Skin Cancer and General Dermatology Clinic (half day per week)
2000-2002	Multidisciplinary Melanoma Clinic (approximately one half to one day per week)
2000-present	Cutaneous Surgery and Oncology Unit (approximately two to three days per week until 2003; currently approximately one half day per month)
2000-present	Cosmetic Dermatology and Laser Center (approximately two to three days per week until 2003; currently approximately three to four days per week)
2001-present	Established, developed, and maintain up-to-date core journal-based reading list regarding cosmetic dermatology and laser surgery for resident education
2004-present	Established and developed a series of didactic and hands-on cosmetic dermatology workshops for senior dermatology residents

2004-present Faculty Mentor for dermatology residents (Tim Rodgers, M.D., George Skandamis, M.D.)
2006 Didactic lecture on laser therapy for Plastic Surgery residents

Fellows:

2002-present Mohs Surgery Fellow (two to three days per week in the Cutaneous Surgery and Oncology Unit from 2002-2004; currently one half day per month)
2002-present Cosmetic/laser rotation incorporated into the Mohs Surgery Fellowship in the Cosmetic Dermatology and Laser Center (one half to one day per week). Previous fellows include:

Christopher K. Bichakjian, M.D.	2001-2003
Montgomery O. Gillard, M.D.	2002-2004
Amy K. Gira, M.D.	2003-2005
Sandra Paek, M.D.	2004-2006
Mathew Ludgate	2006-2008

In addition, since the inception of the CDLC, two of my resident mentees (Dr. Trisha Daley and Dr. Ladan Shahabi) have chosen to pursue and have been accepted into academic cosmetic dermatology fellowships.

CME/Practicing Physicians:

Peer education, communication with referring physicians and doctors seeking information about laser surgery for potential patients, approximately forty hours per year

Multiple lectures delivered to physicians of various medical specialties at regional and national conferences for practicing physicians, nurse practitioners, and physicians assistants, approximately thirty to forty hours per year (for example, lectured at the 14th Annual Primary Healthcare for Women Conference, University of Michigan, 2005)

Our clinic recently added a new faculty member (Dana Sachs, M.D.) whom I directly mentored in the Cosmetic Dermatology and Laser Center for more than six months and continue to advise on a very regular basis as she gains experience in this new role.

Qualitative:

Medical Students:

MS II dermatology core sequence (rated #1 in the medical school 3 of the last 4 years). Selected student evaluation comments: “very informative”; “presents topics in a very interesting manner”; “clear and helpful”; “terrific, interesting and very clinically relevant”; “this was great and relevant.” My individual 2002-2006 student evaluations range from 3.94 to 4.52, mean 4.31 (1-5 scale with 5 being best). From departmental medical student evaluations of didactic lectures and clinical rotations, my individual 2001-2006 scores range from 4 to 5, mean 4.9 (1-5 scale with 5 being best).

Residents:

Dermatology core curriculum lecture series, mean evaluation scores 4.9+ (range 1-5 with highest number being best). Selected comments from annual faculty evaluations and didactic teaching evaluations: “Dr. Orringer is critical to our learning – he is an excellent teacher!”; “excellent command of the material”; “wonderful with very difficult patients”; “great teacher by example”; “a great asset to the teaching staff in our department”; “great knowledge of lasers and cosmetics”; “imparts a sense of responsibility and simultaneous enjoyment of patient care”; “lectures are clear and well-organized”; “always available to residents for any questions or to see patients”; “outstanding speaker and faculty member”; “best lecture I have ever heard – made a confusing topic understandable”; “always interested in taking advantage of teaching opportunities”; “ Dr. Orringer makes learning enjoyable”; “I feel comfortable asking him questions”; “extremely professional”; “(the lecture was) beyond perfect”; “we are extremely appreciative”; “very friendly, genuine, and caring”; “he respects individuals and is a great role model for academic clinicians with an interest in clinical research”; “organized and detailed presentations”; “enthusiastic teacher”; “great communications skills”; “very supportive of the residents”; “constantly taught me new information, very supportive, wonderful with patients and made sure they were taken care of well...a wonderful role model, one of the best teachers I have had this year”; “constantly changing the rotation in the CDLC to make it a better learning experience for the residents.”

Most Important Teaching Contributions:

1. Curriculum Development, Teaching Responsibilities, and Education Administration:

Cosmetic Dermatology and Laser Center

I have been charged with the development of the Dermatology Department’s Cosmetic Dermatology and Laser Center (CDLC) which includes not only its clinical and research activities, but also the teaching of related subjects to residents and students. Thus, I serve as the primary source in the department of didactic and bedside teaching regarding laser therapy and cosmetic dermatology working with fellows, residents, and medical students. After an extensive review of the available literature, I have developed and continually maintain a core journal-based reading list that is given to all residents prior to their two month rotation in the CDLC in order to facilitate learning during clinics. This material fosters an interest in and basic understanding of laser surgery that is invaluable for the rotating residents. It also stimulates questions that foster teaching in the setting of patient care. The teaching component of this rapidly developing program also includes a core didactic lecture series given to the residents and rotating medical students on the fundamentals of laser surgery from basic science, clinical, and safety perspectives that has been very well received. Another major component of the education-related activities in the laser program is providing adequate patient material to facilitate learning at the bedside. Despite the departure of the former director of the laser clinic in late 2000, patient visits increased during the following academic year by nearly 25%, with continued rapid growth over each of the subsequent years to date. The clinic now is the site of more than twice the volume of patient visits than during the final year of my predecessor’s tenure. This growth has been achieved in part via improved communication with referring physicians both within and outside of the University Health System, and with an increased awareness of the services available in the CDLC brought about by peer

physician and resident education within and outside of our Department. This increased patient volume has been vital to providing a wide range of clinical learning opportunities for our residents. In addition, I believe that it is important to incorporate the residents into the clinical delivery team in the CDLC. We strive to make our residents feel like important members of the CDLC team with residents present assisting and/or observing in nearly all procedures performed. I make it a strict policy to be available to the residents and medical students with whom I work. Residents stop by my office to ask patient care related questions on a daily basis, and several medical students to whom I have lectured have contacted me with questions about the field of laser surgery, even referring family members to the CDLC. I take great pride in knowing that our residents view me as a valuable source of information that is always available to them. In fact, many former residents continue to be in contact with me after completion of their residency training, and I am happy to be able to provide ongoing advice on patient care issues for them. I have also developed a series of special learning opportunities for the residents in the form of small group workshops that allow for hands-on experiences in cosmetic dermatology procedures. These hands-on workshops covering a variety of cosmetic procedures have been very well received by the residents. Residents have consistently commented on the value of the cosmetic dermatology curriculum both verbally and in their written evaluations. Furthermore, I established an annual laser in-service for the physicians and nurses of the CDLC. We dedicate time each year to bring David Marlow of Biomedical Engineering into the CDLC to review the operations and safety-related issues pertaining to every laser in our facility. Part of my programmatic approach to education related to our laser program involves educational opportunities for residents involved in clinical research and peer education for the other physicians involved in our appearance-related studies. As such, we have established a regular teaching conference to review active studies ongoing in our laser research program. This occurs on a weekly to biweekly basis, with one Category 1 CME credit earned for participating physicians at each session.

Skin Cancer and General Dermatology Clinic

In 2000, I was one of two faculty members who developed and staffed a clinic dedicated to following and treating advanced cutaneous oncology patients (primarily with melanoma) within the framework of the general dermatology clinic in order to foster a focused learning experience regarding this important aspect of dermatology. This clinic was “carved out” of the Cancer Center Clinics for the primary purpose of melanoma-related teaching for all dermatology residents and students. Time is taken on a routine basis during the clinic to discuss interesting or complex cases, and residents directly discuss the pathology results with the faculty regarding each biopsy performed in the clinic in order to facilitate further teaching regarding patient management. Numerous residents have commented on the value of the clinic in their overall melanoma learning experience and I am proud that this clinic continues on with this original mission since I last staffed the clinic a couple of years ago.

2. Instructional Materials

I recently participated in the development of a guide to aesthetic procedures for dermatology residents across the country. Due to a dearth of adequate texts in this area, a group of nationally

recognized experts in cosmetic dermatology was recruited to write chapters for the guide, providing a practical “how to” approach including clinical pearls, safety issues, etc. My chapter on microdermabrasion will thus be provided as a learning tool to every dermatology resident in the U.S. this year.

In addition to student and physician education, patient education is also a vital aspect of my role as a teacher. This is exemplified by my active involvement in the evaluation of an educational videotape produced for our patients with melanoma. Patients who receive a diagnosis of melanoma are naturally anxious for information and may experience significant stress. Grant funding was obtained in 2001 to assess the impact of the video on our patients’ anxiety and knowledge levels in a prospective, randomized clinical trial. Through the use of a series of validated questionnaires, I was able to determine that the videotape was of great value to our patients in terms of educating them about their disease and concurrently decreasing their anxiety levels. Our results were published in the *Journal of the American Academy of Dermatology* and the video/DVD is now distributed to each of the more than 1,000 patients with a new diagnosis of melanoma seen in our clinic annually.

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