

# CURRICULUM VITAE

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David S. Orentreich, MD, is one of the nation's leading dermatologists, having practiced in New York City since 1984. He graduated from New York's Columbia University College of Physicians and Surgeons and served his residency at Mount Sinai Medical Center. In 1984, he became board certified in Dermatology and joined the Orentreich Medical Group, LLP. As a partner at Orentreich Medical Group, LLP and Co-Director of the Orentreich Foundation for the Advancement of Science, Inc., he has helped to create and develop numerous therapeutic procedures and maintenance treatments for the skin, hair, and nails, and has developed medicines and medical devices for the rejuvenation of scarred and aging skin. In addition to clinical work, he has served as a consultant to Clinique Laboratories, LLC since 1987 and holds appointments as Assistant Clinical Professor in the Mt. Sinai School of Medicine's Department of Dermatology. Dr. Orentreich is a member of numerous medical societies, including the American Academy of Dermatology, the International Society for Dermatologic Surgery, and the Society for Investigative Dermatology. He lectures nationally and internationally on current medical and surgical procedures in development at Orentreich Medical Group, LLP. He has authored or co-authored over 30 articles and book chapters.

## Experience

- Partner, Orentreich Medical Group, LLP, New York, NY, 1984 to present
- Assistant Clinical Professor, Mount Sinai School of Medicine, Department of Dermatology, New York, NY, 1987 to present
- Assistant Attending, Mount Sinai-NYU Hospitals/Health System, 1987 to present.
- Co-Director, Orentreich Foundation for the Advancement of Science, Inc., 2007 to present
- Consultant and Guiding Dermatologist, Clinique Laboratories, LLC, 1987 to present

## Education

- Doctor of Medicine, Columbia University College of Physicians and Surgeons, New York, NY, 1980
- BS Chemistry (magna cum laude), Hobart College, Geneva, NY, 1976

## Postdoctoral Positions

- Roosevelt Hospital, New York, NY—Internship (Medicine), 1980-1981
- Mount Sinai Medical Center, New York, NY—Residency (Dermatology), 1981-1984

## Certifications

- National Board of Medical Examiners (#227584), 1981
- American Board of Dermatology, 1984

## Professional License

- New York State Medical License (#147024), 1981

## Honors

- Phi Beta Kappa, 1976
- American Institute of Chemists Medal, 1976

## Professional Societies

### General Medicine

- American Medical Association, 1980
- New York Academy of Science, 1981
- American Association for the Advancement of Science, 1981
- Medical Society of the County of New York, 1982
- New York Academy of Medicine, 1996

### Dermatology

- International Society of Dermatology, 1984
- American Academy of Dermatology, 1985
- Society for Investigative Dermatology, 1985
- International Society for Dermatologic Surgery, 1986
- American Society for Dermatologic Surgery, 1987
- American Academy of Cosmetic Surgery, 1988
- The Dermatology Foundation, 1989
- Dermatologic Society of Greater New York, 1989
- American Society of Liposuction Surgery, 1993
- American Society of Hair Restoration Surgery, 1994
- International Society of Hair Restoration Surgery, 1995

## Publications

### General Dermatology

- Orentreich DS, Leone A-S, Arpino G, Burack H (2001) Sunscreens: practical applications. In: Giacumoni P, editors. Sun Protection in Man. New York: Elsevier. pp. 535-559.
- Orentreich DS, Orentreich N (2000) A dermatologist's perspective. In: Romo T, III, Millman A, editors. Aesthetic Plastic Facial Surgery. New York: Thieme Medical Publishers, Inc. pp. 494-505.
- Yang JS, Orentreich DS, Agrawal P, Orentreich N (1996) Improvement of the cultivation and cryopreservation of human melanocytes from scalp punch biopsies or plucked hairs for autograft repigmentation of vitiligo. *Journal of Investigative Dermatology* 196: 884.
- Orentreich DS, Orentreich N (1996) Punch grafts. In: Moy R, Lask G, editors. The Principles and Techniques of Cutaneous Surgery. New York: McGraw Hill. pp. 283-290.
- Orentreich DS, Orentreich N (1988) Eyebrow and eyelash manifestations of dermatologic and systemic disorders. In: Hornblass A, editors. Oculoplastic, Orbital, and Reconstructive Surgery. Baltimore: Williams & Wilkins Co. pp. 277-290.
- Orentreich DS, Orentreich N (1987) Dermatology of the eyelids. In: Smith B, editors. Ophthalmic Plastic and Reconstructive Surgery. St. Louis, MO: C.V. Mosby Co. pp. 855-906.
- Orentreich DS, Orentreich N (1987) Skin. In: Maddox G, editors. The Encyclopedia of Aging. New York: Springer Publishing Co. pp. 611-612.
- Orentreich DS, Orentreich N (1985) Alterations in the skin. In: Andres R, Bierman E, Hazzard W, editors. Principles of Geriatric Medicine. New York: McGraw Hill Corp. pp. 354-371.
- Orentreich DS, Orentreich N (1984) Patchy Eyelash Loss (Questions & Answers). *Journal of the American Medical Association*: 684.

## Injectable Silicone

- Orentreich DS, Jones D (2005) Liquid injectable silicone. In: Dover J, Alam M, editors. *Soft Tissue Augmentation*. Reid Elsevier, Ltd. pp. 77–91.
- Orentreich DS, Leone A-S (2004) A case of HIV-associated facial lipotrophy treated with 1000-cs liquid injectable silicone. *Dermatologic Surgery*: 548–551.
- Jones D, Carruthers A, Orentreich DS, Brody H, Lai M et al. (2004) Highly-purified 1000-cSt silicone oil for treatment of human immunodeficiency virus-associated facial lipoatrophy: an open pilot trial. *Dermatologic Surgery*: 1279–1286.
- Orentreich DS (2000) Liquid injectable silicone: techniques for soft tissue augmentation. *Clinics in Plastic Surgery* 27: 595–612.
- Orentreich DS, Orentreich N (1993) Injectable fluid silicone for soft tissue augmentation. In: Perez E, editors. *Cirugia Dermatologica Practica*. San Salvador.
- Orentreich DS, Orentreich N (1991) Injectable fluid silicone for soft tissue augmentation. In: Glasgold A, Silver F, editors. *Applications of Biomaterials in Facial Plastic Surgery*. Boca Raton, FL: CRC Press. pp. 219–243.
- Orentreich DS, Orentreich N (1989) Injectable fluid silicone. In: Roenigk R, Roenigk H, editors. *Dermatologic Surgery/Principles and Practice*. New York: Marcel Dekker, Inc. pp. 1349–1395.
- Orentreich DS, Orentreich N (1989) Leg ulcers following subcutaneous injection of a liquid silicone preparation. *Archives of Dermatology*: 1283–1284.

## Scar Revision

- Orentreich N, Orentreich DS (2001) Dermabrasion. *Clinics in Plastic Surgery* 215–230.
- Orentreich DS, Orentreich N (2000) Subcutaneous incisionless (Subcision) surgery for the correction of depressed scars and wrinkles. In: Harahap M, editors. *Surgical Techniques for Cutaneous Scar Revision*. New York: Marcel Dekker, Inc. pp. 245–257.
- Krajcik R, Orentreich DS, Orentreich N (1999) Plasmagel (TM): a novel injectable autologous material for soft tissue augmentation. *Journal of Aesthetic Dermatology and Cosmetic Surgery*: 109–115.
- Orentreich DS (1998) Subcision. In: Klein W, editors. *Tissue Augmentation in Clinical Practice*. New York: Marcel Dekker, Inc. pp. 173–190.
- Orentreich N, Orentreich DS (1998) Dermabrasion as a complement to dermatology. *Clinics in Plastic Surgery*: 63–80.
- Orentreich DS, Orentreich N (1997) Subcutaneous incisionless (Subcision) surgery for the correction of depressed scars and wrinkles. In: Greenway HJ, Papadopoulos D, Whitaker D, editors. *Yearbook of Dermatologic Surgery*. St. Louis, MO: C.V. Mosby Co. pp. 179–181.
- Orentreich N, Orentreich DS (1995) Dermabrasion. *Dermatologic Clinics*: 313–327.
- Orentreich DS, Orentreich N (1995) Subcutaneous incisionless (Subcision) surgery for the correction of depressed scars and wrinkles. *Dermatologic Surgery*: 543–549.
- Orentreich DS, Orentreich N (1988) Facial scar revision by full-thickness autologous punch grafting from the posterior earlobe. In: Robins P, Nix M, editors. *Surgical Gems*. New York: Dermatology Journal Publishing Group. pp. 54–59.
- Orentreich DS, Orentreich N (1987) Acne scar revision update. *Dermatologic Clinics*: 359–368.

## Hair

- Orentreich DS, Orentreich N (2000) Hair restoration: a Dermatologist's perspective. In: Romo III T, Millman A, editors. *Aesthetic Plastic Facial Surgery*. New York: Thieme Medical Publishers, Inc. pp. 493–505.
- Orentreich DS, Pearlman S (1998) Hair transplantation. In: Krespi Y, editors. *Office-Based Surgery of the Head and Neck*. Philadelphia: Lippincott–Raven. pp. 255–267.
- Orentreich DS, Orentreich N (1995) Androgenic alopecia and its treatment. In: Unger W, editors. *Hair Transplantation*. New York: Marcel Dekker, Inc. pp. 1–33.
- Orentreich DS, Orentreich N (1994) Hair changes with aging as a parameter to utilize in the estimation of human biological age. In: Balin A, editors. *Practical Handbook of Human Biologic Age Determination*. Boca Raton, FL: CRC Press. pp. 375–388.
- Orentreich DS, Orentreich N (1989) Hair transplantation: assuring an optimal outcome. *Video Journal of Dermatology* 3(3).
- Orentreich DS, Orentreich N (1988) Alopecia in children. In: Lebwohl M, editors. *Difficult Diagnoses in Dermatology*. New York: Churchill Livingstone. pp. 273–295.
- Orentreich DS, Orentreich N (1988) Alopecia in Adults. In: Lebwohl M, editors. *Difficult Diagnoses in Dermatology*. New York: Churchill Livingstone. pp. 297–316.
- Orentreich DS, Orentreich N (1988) Androgenic alopecia and its treatment. In: Unger W, Nordstrom R, editors. *Hair Transplantation*. New York: Marcel Dekker, Inc. pp. 1–35.
- Orentreich N, Orentreich DS (1986) Diseases of the hair: method of Norman Orentreich, MD & David S. Orentreich, MD. In: Rakel R, editors. *Conn's Current Therapy*. Philadelphia: WB Saunders. pp. 611–616.
- Orentreich DS, Orentreich N (1985) Hair transplantation. *Journal of Dermatologic Surgery and Oncology*: 319–324.
- Orentreich N, Orentreich DS (1984) "Cross-stitch" suture technique for hair transplantation. *Journal of Dermatologic Surgery and Oncology*: 970–971.
- Orentreich N, Orentreich DS (1982) Hair transplants. In: Barrett BJ, editors. *Manual of Patient Care in Plastic Surgery*. Boston: Little, Brown, and Company. pp. 181–186.

## Biomedical Research

- Elshorbagy A, Valdivia-Garcia M, Mattocks DAL, Plummer JD, Orentreich DS, Orentreich N, Refsum H, Perrone CE. Effect of taurine and N-acetylcysteine on methionine restriction-mediated adiposity resistance. *Metabolism: Clinical and Experimental*, 2013; 62(4):509–517.
- Ables GP, Perrone CE, Orentreich D, Orentreich N. Methionine-restricted C57BL/6J mice are resistant to diet-induced obesity and insulin resistance but have low bone density. *PLoS ONE* 2012, 7(12):e51357. doi:10.1371/journal.pone.0051357
- Perrone CE, Mattocks DAL, Plummer JD, Chittur SV, Mohney R, Vignola K, Orentreich DS, Orentreich N. Genomics and metabolic responses to methionine-restricted and methionine-restricted, cysteine-supplemented diets in Fisher 344 rat inguinal adipose tissue, liver and quadriceps muscle. *Journal of Nutrigenetics & Nutrigenomics* 2012; 5:132–157
- Malloy VA, Perrone CE, Orentreich DS, Orentreich N. Metabolic adaptations to methionine restriction that benefit health and lifespan in rodents. *Experimental Gerontology*, in press.

## Abstracts

- Perrone CE, Mattocks DAL, Plummer JD, Orentreich DS, Orentreich N. (2011). Assessment of pathways involved in methionine restriction-mediated adiposity resistance by microarray analysis. *Metabolism and Disease Meeting*, Cold Spring Harbor Laboratories, Cold Spring Harbor, NY.

## Lectures

### General Dermatology

- “Dermatologic Procedures for Complementing Plastic Surgery”, Advances in Aesthetic Plastic Surgery: The Cutting Edge III, New York, NY, 11/16/2000
- “Plastic Surgery Seminar”, Mount Sinai School of Medicine, New York, NY, 12/10/1999
- “Keloids”, Department of Dermatology Lecture, Mt. Sinai Hospital, New York, NY, 1/92
- “Liposuction”, International Society for Dermatologic Surgery, 18<sup>th</sup> World Congress of Dermatology, New York, NY, 6/11/92
- “Cosmetic Surgery of the Aging Eye”, American Academy of Facial Plastic & Reconstructive Surgery, Mt. Sinai Medical Center, New York, NY, 6/19/92
- “Wound Healing/Medical Adjuncts to Pre-Operative Skin Care and Surgery”, First Annual Eyelid Rejuvenation Symposium, New York, NY, 5/91
- “Nonoperative Treatment of the Aging Face”, American Society of Plastic & Reconstructive Surgeons, Seattle, WA, 9/22-26/91
- “Contour Augmentation”, Lipoplasty Society of North America, Eighth Annual Meeting, Boston, MA, 10/22/90
- “Punch Autografts: New Patterns and Methods for Consideration”, The Advanced Hair Replacement Surgery Symposium, Hot Springs, AR, 2/6/86
- “Dermatology of the Eyelids”, Morris Feldstein Seminar on Cosmetic Surgery of the Aging Face, Mt. Sinai Medical Center, New York, NY, 6/14/85
- “Dermatology of the Eyelids”, Morris Feldstein Seminar on Cosmetic Surgery of the Aging Face, Mt. Sinai Medical Center, New York, NY, 6/22/84

### Injectable Silicone

- “Liquid Silicone Facial Injections”, Fillers, Injectables and Lasers for Facial Rejuvenation, Manhattan Eye, Ear and Throat Hospital, New York, NY, 11/16/2005
- “Microdroplet Serial Puncture Injection Technique for Liquid Silicone”, The Art & Science of Dermal Fillers & Injectables, American Society of Dermatologic Surgery, New York, NY, 10/16/2004
- “Microdroplet Serial Puncture Injection Technique for Liquid Silicone”, Combined Annual Meeting –American Society for Dermatologic Surgery/American College of Mohs Micrographic Surgery and Cutaneous Oncology, New Orleans, LA, 10/11/2003
- A Case of HIV-Associated Facial Lipoatrophy Treated with 1000-cs Liquid Injectable Silicone (Poster Presentation), Combined Annual Meeting: American Society for Dermatologic Surgery/American College of Mohs Micrographic Surgery and Cutaneous Oncology, Chicago, IL, 11/1/2002
- “Investigational Device Exemption for the Clinical Investigation of SilSkin™ 1000 Centistoke Silicone Oil for Soft Tissue Augmentation”, American Academy of Dermatology, New Orleans, LA, 2/22/2002
- “Soft Tissue Augmentation”, Cosmetic Surgery Lecture Series, Mount Sinai School of Medicine, New York, NY, 9/27/2000
- “The Use of Silicone for Facial Cosmetic Surgery”, American Academy of Cosmetic Surgery Meeting, New Orleans, LA, 10/28-30/90
- “Liquid Injectable Silicone for Soft Tissue Augmentation”, Otolaryngology Grand Rounds, Mt. Sinai Medical Center, New York, NY, 6/28/90
- “The Present Status of Silicone, Fibrel & Collagen”, VI Annual Meeting of the American Academy of Cosmetic Surgery, Los Angeles, CA, 1/12-14/90
- “Liquid Silicone – An Alternative”, Face & Body Contouring, Controversy & Refinement, Manhattan Eye, Ear and Throat Hospital, New York, NY, 5/20/89

- “Silicone Injections”, St. Luke’s Roosevelt Hospital, New York, NY, 1/24/89
- “Silicone Injections”, The Alloplastic Implant and Grafts Workshop, Washington, DC, 8/23/88
- “Silicone Technique”, The Advanced Dermatologic Surgery Symposium, New York, NY, 6/15/88
- “Silicone Injections”, Soft Tissue Surgery Workshop, New York, NY, 6/5/88
- “Silicone Injections”, Contemporary Concepts in Facial Surgery, New York, NY, 12/5/87

## Scar Revision

- “Botulinum Toxin and Fillers” (live patient demonstration), American Academy of Dermatology Summer Academy Meeting, New York, NY, 8/2/07
- “The Skin of Aging; Dermabrasion; Hair Replacement Surgery; Laser Skin Resurfacing”, First World Congress on Advanced Integrative Rejuvenology, Gulf Shores, AL, 10/19–22/2006
- “Subcision<sup>SM</sup> and Punch Graft” (video presentation), 56<sup>th</sup> Annual Meeting of the American Academy of Dermatology, Orlando, FL, 2/27/98
- “Subcision<sup>SM</sup> Tissue Augmentation”, 53<sup>rd</sup> Annual Meeting of the American Academy of Dermatology, New Orleans, LA, 2/11/96
- “Subcision<sup>SM</sup>: Tissue Augmentation”, 54<sup>th</sup> Annual Meeting of the American Academy of Dermatology, Washington, DC, 2/11/96
- “Subcision<sup>SM</sup> of Scars and Wrinkles”, Dermatologic Society of Greater New York, Lenox Hill Hospital, New York, NY, 12/1/94
- “Subcision<sup>SM</sup>: Tissue Augmentation”, 52<sup>nd</sup> Annual Meeting of the American Academy of Dermatology, Washington, DC, 12/5/93
- “Subcision<sup>SM</sup>: Reconstruction & Wound Healing”, XIV International Congress of Dermatologic Surgery, Seville, Spain, 10/1–4/93
- “Wound Healing”, “Chemical Peels”, “Collagen Injections”, Third Annual Cosmetic Eyelid Rejuvenation Symposium, New York, NY, 5/93
- “Subcision<sup>SM</sup>: A Method for Tissue Augmentation”, 51<sup>st</sup> Annual Meeting of the American Academy of Dermatology, San Francisco, CA, 12/5/92
- “Tissue Fillers for Nasal Defects: An Update”, Advanced Rhinoplasty Symposium, Birmingham, AL, 10/23–27/92
- “Dermatologic Preparation for Eyelid Surgery/Wound Healing/Chemical Peels”, Second Annual Eyelid Rejuvenation Symposium, New York, NY, 5/92
- “Current Concepts in Dermabrasion & Chemical Peel”, Facial Plastic Surgery, Ninth Annual Symposium, New Brunswick, NJ, 3/18/92

## Hair

- “Anatomy and Physiology of Scalp and Hair Growth”, “Alopecia”, Hair Replacement Surgery: An International Symposium, Birmingham, AL, 3/94
- “The 3–Step Punch Graft Method of Hair Transplantation”, XIII Congress of the International Society for Dermatologic Surgery, Paris, France, 10/92
- “The Medical Treatment of AGA”, World Congress on Hair Replacement Surgery, Dallas, TX, 4/13/90
- “Hair, Sweat Glands & Sebaceous Glands”, New York College of Podiatric Medicine, New York, NY, annually, 1989 – present
- “Hair”, 44<sup>th</sup> Annual Meeting of the American Academy of Dermatology, Las Vegas, NV, 12/11/85
- “Hair Surgery”, The American Academy of Dermatology, Summer Session, New York, NY, 6/19/88
- “Hair Transplantation: New Patterns and Methods for Consideration”, International Congress for Hair Replacement Surgery, New York, NY, 5/22/87
- “Hair” 45<sup>th</sup> Annual Meeting of the American Academy of Dermatology, New Orleans, LA, 12/10/86
- “Hair Disorders”, NYU Department of Dermatology, Advances in Dermatology Symposium, New York, NY, 4/12/86
- “Medical Treatment for Baldness”, The Advanced Hair Replacement Surgery Symposium, Hot Springs, AR, 2/8/86

## Television Appearances

- National Geographic Channel, “Assembly Required: A Closer Shave”, November 7, 2006
- CNBC “Squawk Box”, July 19, 2004
- Brazil TV News Magazine Show “Pesquisa”, Profile of the Orentreich Medical Group, LLP, November 1998
- NBC-TV “The Today Show”, Are You Losing Too Much Hair?, February 1998
- ZDF-TV Germany, Documentary on Anti-Aging, September 1997
- FOX-TV “News at Five”, Anti-Aging, December 8, 1995
- ABC-TV “Main Floor”, Chemical Peels, October 16, 1994
- CBS-TV “Channel 2 News”, Hair Loss, September 9-10, 1993
- NBC-TV “The Today Show”, Hair Transplants, March 30, 1992
- NBC-TV “A Closer Look”, Anti-aging Over-the-counter Creams, March 12, 1991
- NBC-TV “NBC Nightly News”, Fountain of Youth Drugs, March 24, 1990