

---

---

# ROBERT ARNOLD WEISS, M.D.

---

---

54 Scott Adam Road, Suite 301; Hunt Valley, Maryland 21030  
(Phone: 410-666-3960) (Fax: 410-666-3981)  
E-Mail: RWeiss@mdlsv.com

## EDUCATION

- 1970-1974 B.A, Columbia University, New York City
- 1974-1978 M.D, Johns Hopkins University School of Medicine, Baltimore, MD

## Post Graduate Education and Training

- 1978-1979 Intern, Department of Medicine, Albany Medical Center, Albany, NY
- 1979-1980 Fellow, Diagnostic Radiology, Johns Hopkins University School of Medicine Baltimore, MD
- 1980-1982 Resident and Fellow, Department of Dermatology, Johns Hopkins University School of Medicine, Preceptors: Dr. Irwin Freedberg, Dr. Thomas Provost
- 1982-1983 Chief Resident, Department of Dermatology Johns Hopkins University School of Medicine
- 1983-1984 Medical Staff Fellow, Dermatology Branch National Cancer Institute, National Institutes of Health, Bethesda, MD, Preceptor: Dr. Thomas J. Lawley

## Medical Student Teaching

- 1982 Johns Hopkins medical student dermatology course, Lecture, 120 students.
- 1983-1984 Dermatology Grand Rounds, National Institutes of Health, National Cancer Institute, 10 residents, 10 fellows, 10 community physicians.
- 1984-2010 Attending physician, Johns Hopkins Dermatology Clinic, approx. 6 times a year, 1-2 students each session.

### **Resident and Fellow Teaching**

- 1987-1992 Preceptor in Dermatology for Family Practice Residency Program, Harrisburg Hospital, Harrisburg, PA, 3 residents per year.
- 1987-1992 Preceptor in Dermatology for Internal Medicine Residency Program at Greater Baltimore Medical Center, Baltimore, MD, 1 visiting resident, 2 months, per year.
- 1989-1995 Annual lecture series in laser surgery and sclerotherapy for residents, faculty of Johns Hopkins Department of Dermatology, Baltimore, MD, 10-25 per year.
- 1992-1995 Preceptor in Dermatology for Family Practice Residency Program, Franklin Square Hospital, Baltimore, MD, 3 students per year.
- 1998-Present Preceptor in Dermatology for Residency Program University of Maryland Hospital, Baltimore, MD, 10-12 per year.
- 1998-2012 Preceptor in Dermatology for Residency Program Johns Hopkins Hospital, Baltimore, MD, 8-10 per year.
- 2006-Present Preceptor in Dermatology for American Society for Dermatologic Surgery, Hunt Valley, MD, 1 student per year.

### **Post-Graduate Teaching**

- 1996 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Intense Pulsed Light for Treatment of Facial and Leg Telangiectasias (sponsored by ESC Medical) Author, "CD-ROM" teaching slide collection published by the American Academy of Dermatology
- 1996 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Intense Pulsed Light for Treatment of Facial and Leg Telangiectasia and Hair Removal (sponsored by ESC Medical)
- 1996 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Erbium: YAG resurfacing for Treatment of Facial Rhytides (sponsored by ESC Medical)

- 1996 Instructor, Mastering Sclerotherapy: The Method and the Meaning, Sclerotherapy Symposium/Workshop, Compression-Importance and Clinical Use, 11<sup>th</sup> Regional Symposium
- 1996 Lecture on Update on Treatment of Leg Veins and Lasers, Plastic Surgery Department, Johns Hopkins University of School of Medicine
- 1997 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by ESC, Sharplan, Laser Aesthetics and Dermatology Associates)
- 1997 Lecture: Update on Treatment of Leg Veins and Lasers, Plastic Surgery Department, Johns Hopkins University of School of Medicine
- 1997 Course Director, Special Intensive Workshop on Sclerotherapy, Duplex ultrasound and Ambulatory Phlebectomy, Course held at Dermatology Associates American College of Phlebology
- 1997 Instructor, Basic Course on treatment of varicose and spider veins, Annual Congress, American College of Phlebology
- 1998 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by ESC/Sharplan, Laser Aesthetics and Maryland Laser, Skin and Vein Institute)
- 1998 Director, VascuLight Workshop, An intensive training course in the use of: PhotoDerm VascuLight Intense Pulsed Light and Infrared Laser, Workshop on Treatment of Leg Veins with Sclerotherapy, Laser and Ambulatory Phlebectomy, American Academy of Dermatology, Summer Session, 50 students.

- 1998 Program Chair, 13<sup>th</sup> Special Regional Symposium on the Modern Treatment of Telangiectatic and Varicose Veins. sponsored by North American Society of Phlebology.
- 1998 International Society for Dermatologic Surgery, 20<sup>th</sup> Annual Congress, Athens, Greece, Program Director. Co-chairman
- 1999 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by Lumenis, Laser Aesthetics, VNUS Medical and Maryland Laser, Skin and Vein Institute), 40 students.
- 2000 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by Lumenis, Laser Aesthetics VNUS Medical and Maryland Laser, Skin and Vein Institute), 40 students.
- 2001 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by Lumenis, Laser Aesthetics VNUS Medical and Maryland Laser, Skin and Vein Institute, American College of Phlebology, American Society for Dermatologic Surgery), 40 students.
- 2002 Workshop Director, Non-Coherent Light Sources, Non-Ablative Light and Rejuvenation Workshop, Introduction and Overview of Non-Ablative Lasers and Light Sources-Range and Utility, Broadband Light Sources and 1320nm Nd: YAG Laser, American Society for Laser Medicine and Surgery
- 2002 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex

guided sclerotherapy (sponsored by Lumenis, Laser Aesthetics VNUS Medical and Maryland Laser, Skin and Vein Institute, American College of Phlebology, American Society for Dermatologic Surgery)

- 2002 Site Chairman and Instructor, Endovascular Workshop, Endovenous Radiofrequency Saphenous Vein Occlusion, Maryland Laser Skin and Vein
- 2003 Chief Instructor and Preceptor for Multiple Hands-On Workshops for Lasers and Intense Pulsed Light Treatment of Facial and Leg Telangiectasias, Laser Hair removal, Laser resurfacing (ablative and non-ablative) for wrinkles and scars, ambulatory phlebectomy and Duplex guided sclerotherapy (sponsored by Lumenis, Laser Aesthetics VNUS Medical and Maryland Laser, Skin and Vein Institute)
- 2004 Chief Instructor and Preceptor for Workshop on Thermage Procedure April, MD Laser Skin & Vein Institute
- 2004 Preceptor, Workshop on Botox and Restylane, MD Laser Skin & Vein Institute
- 2004 Preceptor, Workshop on Vasculight, Light Sheer and Quantum SR photorejuvenation, MD Laser Skin & Vein Institute
- 2004 Chief Instructor, Endovenous Laser Ablation 2-Day Clinical Workshop Evaluation, Various Lectures on vein treatments, Doppler studies, Sclerotherapy. Hands on demonstrations of Duplex guided tumescent anesthesia, endovenous occlusion of the greater saphenous vein, Maryland Laser Skin & Vein, sponsored by Cooltouch CTEV
- 2005 Chief Instructor, Endovenous Laser Ablation 2-Day Clinical Workshop Evaluation, Various Lectures on vein treatments, Doppler studies, Sclerotherapy. Hands on demonstrations of Duplex guided tumescent anesthesia, endovenous occlusion of the greater saphenous vein, Maryland Laser Skin & Vein, sponsored by Cooltouch CTEV
- 2006 Chief Instructor, Vein Treatment: Intensive Hands on Live Workshop, Anatomy and common

- Patterns of leg veins, Sclerotherapy of areas other than the legs, and other lectures on vein Treatment, demonstrations of light sources and lasers for elimination of leg veins, duplex ultra-sound demonstration. Maryland Laser Skin and Vein. 18 students 1CME - 14 hours
- 2007 Chief Instructor, Sclerotherapy and Vein Treatment: Intensive Hands on, Live Workshop, Lectures On identifying venous disease and the methods to treat, using lasers and sclerotherapy. 15 Students 1CME - 16 hours
- 2008 Chief Instructor, Vein Treatment: Intensive Hands on Live Workshop - 1 day and 2 day course, Patterns of leg veins, Sclerotherapy of areas other than the legs, and other lectures on vein Treatment, demonstrations of light sources and lasers for elimination of leg veins, duplex ultra-sound demonstration. Maryland Laser Skin and Vein. 16 students 1CME - 14 hours
- 2008 Instructor, Technologies for Fat Related Disorders Workshop, Laser Assisted Lipolysis, ASLMS
- 2010 Course Director, Overview of Hyaluronic Acids and other Fillers, Sponsored Medical Education Resources and Cosmetic Bootcamp University

## HONORS-AWARDS

1974	Cum Laude, Phi Beta Kappa, Columbia University
1977	National Psoriasis Foundation Summer Research Fellowship
1999	In Appreciation and Recognition, American College of Phlebology
2002-2007	Certificate of Appreciation, The American Board of Dermatology
2003	Ellet Drake Award, ASLMS
2004	International Society of Dermatology, III International Prize
2004	Certificate of Appreciation, Societe Fran Caise De Phelb Logie
2006	Presidential Citation, ASLMS
2006-2007	Vice President Award, ASDS
2007	Certificate of Achievement, 25 <sup>th</sup> Annual Meeting of The Japanese Society of Aesthetic Dermatology
2007-2008	Attending of the Year, Johns Hopkins University
2008-2009	Presidential Award, ASDS
2009	Excellence in Education, ASDS
2009-2010	Immediate Past President, ASDS
2009	Black Diamond Award, Solta Medical
2010	Presidential Award, ASDS
2011	Certificate of Appreciation, Societe Fran Caise De Phelb Logie
2011-2012	Biographical Record in Who's Who in Medicine and Healthcare Eighth Edition, The Marquis Who's Who Publications Board
2012	Leon Goldman Memorial Award, ASLMS
2013	Tribute to Robert Weiss, Sturge-Weber Honoree
2013	Presidential Citation, ASLMS

2013 Top Doctor in Dermatology 5 Years, Castle Connolly

2015 ASDS Cosmetic Dermatologic Surgery Fellowship  
Accreditation Program (Accreditation Work Group)



## **ACADEMIC APPOINTMENT**

- 1984-1986 Instructor, Department of Dermatology Johns Hopkins University School of Medicine, Baltimore, MD
- 1986-2004 Assistant Professor of Dermatology, The Johns Hopkins University School of Medicine, Baltimore, MD
- 2004-2013 Associate Professor of Dermatology, Johns Hopkins University School of Medicine, Baltimore, MD
- 2013- Clinical Associate Professor of Dermatoloyg, University of Maryland School of Medicine, Baltimore, MD

## **CERTIFICATION & LICENSURE**

1983		American Board of Dermatology
2009		Voluntary Maintenance of Certification, American Board of Dermatology
1981	Active	Maryland Medical License
2003	Active	California Medical License
2011	Active	Florida Medical License
2013	Active	Washington State License
2014	Active	New York State License

---

---

## EMPLOYMENT

---

---

1982-1984 Attending Physician, The Johns Hopkins Dermatology Department

1984-present Private Practice, Dermatology

1984-1986 Attending Physician, Department of Dermatology, Wyman Park Public Health Hospital

2001-present Director, Maryland Laser, Skin & Vein Institute

---

---

## PROFESSIONAL SOCIETIES

---

---

- 1983- Present Member, Maryland Dermatologic Society
- 1982-Present Member, Johns Hopkins Medical and Surgical Association
- 1983-Present Member, The Maryland State Medical Society
- 1985-Present Fellow, American Academy of Dermatology
- 1988-Present Fellow, American Society for Dermatologic Surgery
- 1988-2010 Member, American College of Phlebology
- 2010-Present Fellow, American College of Phlebology
- 1995-Present Fellow, American Society for Laser Medicine and Surgery
- 1991-Present Member, American Academy of Cosmetic Surgery
- 2002-Present Member, American Dermatologic Association Committee

---

---

## **STAFF PRIVILEGES**

---

---

Greater Baltimore Medical Center, Towson, MD

---

---

## **INDUSTRIAL ADVISORY COMMITTEE/CONSULTANT**

---

---

2009      Neutrogena Sun Protection Advisory Board

Cynosure Advanced Symposium, Improved Facial Rejuvenation Through Combination Fractional Treatment, Cynosure Advanced Symposium, Washington, DC.

Merz North American Leadership Team

Clarisonic Advisory Board

Skinceuticals Global Advisory Board

---

---

## **CLINICAL EXPERIENCE**

---

---

1990-2010     Attending, Cosmetic Dermatology Clinic, Johns Hopkins Hospital. Demonstrated and supervised Johns Hopkins dermatology residents in various cosmetic dermatologic procedures, including sclerotherapy of telangiectatic and varicose leg veins, neurotoxin and filler injections, chemical peels and evaluation and management of patients with esthetic dermatologic concerns. Approximately 12 residents per year were supervised in the clinic.

2009-Present     Developed, program to teach UMD Dermatology residents to perform neurotoxin and fillers treatment on patients, with Dr. Karen Beasley, 2-5 Students.

---

---

## COMMITTEE SERVICE

---

---

- 1991-Present Board of Directors, North American Society of Phlebology (American College of Phlebology)
- 1992 Program Chairman, 8th Special Regional Symposium on the Modern Treatment of Telangiectatic and Varicose Veins
- 1992-1994 Program Chairman, North American Society of Phlebology
- 1993 Program Director, 6th Annual Congress, North American Society of Phlebology
- 1993-1994 Secretary, North American Society of Phlebology
- 1993-1994 Co-Chair for Derm Foundation Leaders Society
- 1993-Present Associate and Contributing Editor, Dermatologic Surgery
- 1994 Program Director, 7th Annual Congress, North American Society of Phlebology
- 1994 International Guest Faculty, Canadian Society of Phlebology
- 1994-2002 Associate Editor, International Venous Digest
- 1995 Assistant Program Director, 8th Annual Congress, North American Society of Phlebology
- 1995-1996 President Elect, North American Society of Phlebology
- 1996-1999 Member, Board of Directors, American Society for Dermatologic Surgery
- 1997 Guest Editor, Dermatologic Surgery (journal of the ASDS)
- 1997-1999 President, American College of Phlebology
- 1999-2003 Member, AAD, Telemedicine Task Force
- 2000-2001 Member, ASLMS, Safety Committee



- 2000-2003 Member, Sulzberger Institute for Dermatologic Education
- 2000-2003 Treasurer, American Society for Dermatologic Surgery
- 2001 Chair, American Society for Dermatologic Surgery, Silent Auction Task Force
- 2001-2004 Board of Directors, International Society for Dermatologic Surgery
- 2002 American Society for Dermatologic Surgery delegate to International Congress of Dermatology
- 2002-2003 Chairperson, Electronic Communications and Publications Committee for the American Society for Laser Medicine and Surgery, Inc.
- 2002-2007 Examination Committee, Part II, American Board of Dermatology
- 2002-Present Member, Test Committee for Examination in Clinical and Laboratory Dermatology (Part II A & B), American Board of Medical Specialties
- 2003 Member, Telemedicine Task Force, American Academy of Dermatology
- 2003 Program Chair, Union Internationale de Phlebologie Interim World Congress
- 2003-2004 Vice-Chair, Sulzberger Institute for Dermatologic Education
- 2003-2005 Member, AAD, Education Slide Series Task Force
- 2003-2005 Member, ASDS Committee on Enhancement of Resident Education
- 2003-Present Editorial Advisory Board, Aesthetic Trend and Technologies, Laguna Hills, CA
- 2003-2013 Editorial Advisory Board, Medical Insight Report, Mission Viejo, CA
- 2003-Present Clinical Assistant Professor of Dermatology, University of Pennsylvania, Philadelphia, PA
- 2005 Guest Editor, special issue Dermatologic Surgery (journal of the ASDS)
- 2005- Present Editorial Advisory Board, Lasers in Surgery and Medicine, Irvine, CA.

2006-2007 Vice President, American Society for Dermatologic Surgery

2006-2011 Member, Annual Meeting Evaluation Task Force, American Academy of Dermatology

2007-2008 President-Elect, American Society for Dermatologic Surgery

2008-2009 President, American Society for Dermatologic Surgery

2009-2010 Immediate Past President, American Society for Dermatologic Surgery

2009-2012 Board of Directors, Board Representative for Laser Medicine, ASLMS

2010 Guest Editor, Special Issue: Leg Veins, Phlebology, Dermatologic Surgery journal

2011-Present Member, Investment Committee, ASLMS

2011-2012 Chair, Audit Committee, ASLMS

2012-2013 Chair, Funding Task Force, ASLMS

2012 -2014 Founding Member, Intersocietal Accreditation Commission (IAC) - AAD Representative

2012-Present Member, Constitution and Bylaws Committee, ASLMS

2012-Present Member, Web Content Task Force, ASLMS

2013 Guest Editor: Special Issue: Dermatology and Plastic Surgery, Lasers in Surgery and Medicine journal

2013 Chair, Audit Committee, ASLMS

2013 Faculty, Controversies and Conversations

2013-Present Chair, Membership Task Force, ASLMS

2013-Present Vice President (elected position), Board of Directors, ASLMS

- 2014 Photographic Standards Task Force, ASDS
- 2015 The 2015 Galderma Maestro Summit, Barcelona, Spain
- 2015 President, American Society Laser Medicine and Surgery
- 2015 Industrial Advising Council, ASDS
- 2015 Member, American Dermatological Association
- 2015 Member, Intersocietal Accreditation Commission
- 2017 Board of Directors, American Academy of Dermatology

---

---

## RESEARCH EXPERIENCE

---

---

- 1993-1994 **DG-02-02-1292**, "A Multicenter, Single-blind Clinical Trial to Determine the Efficacy of Dermagraft™, A Living Dermal Replacement, in the Treatment of Chronic Venous Insufficiency Ulcers," Phase III study # - Advanced Tissue Sciences, La Jolla, CA
- 1993-1994 **MP # 46-93-2**, " A Randomized, Open-Label, Dose Definition Study to Compare the Safety and Tolerance of Six Administration Regimens of the 5-Fluorouracil-e Therapeutic Implant (5-FU-e TI MPI 5003) in the Treatment of Basal Cell Carcinoma," - Phase II study, Matrix Pharmaceutical, Inc, Palo Alto, CA
- 1993-1994 **CSF-503**, "A Multicenter, Open-Label Clinical Trial to Evaluate the Safety of Sandimmune in a Demographically Diverse Population of Patients with Severe Recalcitrant Plaque Psoriasis," Phase IV study, Sandoz Pharmaceuticals Corporation, East Hanover, NJ
- 1993-1995 "Efficacy of Cutinova Hydro Foam Compared with Allevyn in Treatment of Chronic Venous Insufficiency Ulcers," Phase IV study" - Jobst/Beiersdorf, Charlotte, NC
- 1994-1995 **MP#65-94-2**, "An Open-Label Study to Evaluate the Fluorouracil Injectable Gel (5-FU gel) in the Treatment of Basal Cell Carcinoma," Phase II study, Matrix Pharmaceutical, Inc, Palo Alto, CA
- 1994-1995 **Famciclovir BRL-42810**, "A Double-Blind, Randomized Study to Assess the Quality of Life and Cost of Disease in Patients with Herpes Zoster Treated with Famciclovir or Placebo," Phase III study, SmithKline Beecham Pharmaceuticals, King of Prussia, PA
- 1994-1995 **DE-109-203** "A Multicenter, Randomized, Parallel, Group Study to Assess the Influence of Lac-Hydrin 12% Lotion on the use of an Ultrapotent Topical Corticosteroid in Hand Dermatitis," - Phase IV study, Bristol-Myers Squibb Company, Buffalo, NY
- 1995-1996 **CV139-001** - "A Multi-Center, Double-Blind, Parallel Group Efficacy Safety Comparison of Ifetroban and Placebo in Patients with Venous Leg Ulcers," Phase III study, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ
- 1995-1996 "Phase II Multi-Center, Efficacy Study of Intense Pulsed Light for Leg and Facial Telangiectasias," ESC Medical, Needham, MA
- 1996-1997 "Phase II Multi-Center, Efficacy Study of Intense Pulsed Light for Long-Term Hair Removal," ESC Medical, Needham, MA

- 1997-1998 "Phase II Multi-Center, Efficacy Study of Erbium: YAG Laser for Facial Resurfacing," ESC Medical, Needham, MA
- 1998-1999 "Phase III Multi-Center, Efficacy Study of Vasculight® Long-pulsed Nd: YAG Laser for Leg Telangiectasias," ESC/Sharplan, Needham, MA
- 1999-2001 "Phase II Efficacy Study of Long-pulsed, Model 140 Cool Touch® 6-Watt Nd: YAG Laser System dynamically cooled Nd: YAG Laser for Le Telangiectasias", Laser Aesthetics, Auburn, CA - Device cleared for telangiectasias
- 1999-2001 "Phase III Clinical Investigation of the Laser Aesthetics, Inc. Model 130 Cool Touch® 6-Watt Nd: YAG Laser System for Treatment of Facial Rhytides", Laser Aesthetic, Auburn, CA - device cleared for treatment of peri-ocular actinic rhytids.
- 2000-2001 "Clinical Investigation of Cool Touch Corporation Cool Touch - V 30 Watt Nd: YAG Laser System for Treatment of Hair Removal", Auburn, CA - 20 patient Phase IV clinical study submitted to the FDA and device cleared for hair removal
- 2001-2002 "Non-Ablative Skin Rejuvenation Using Intense Pulsed Light (IPL)-Quantum SR, ESC Sharplan Ltd, Yokneam, Israel and Norwood, MA - Phase IV Clinical Study submitted to FDA - 20 patients treated in 6 month follow-up for actinic rhytids, FDA clearance obtained for this indication. ESC
- 2002-2003 A Single Center Phase II Open Label Study to Evaluate the Safety and Tolerability of the Varisolve Technique Using Varisolve PD Microfoam in the Management of Patients with Moderate to Sever Varicose Veins
- 2003- 2004 **IT-R-002** - A Phase III Double Blind, Randomized and Placebo-Controlled Study of Isolagen Injection for the Treatment of Contour Deformities. Isolagen
- 2004-2005 **IT-R-003** - A Phase III Double-Blind, Randomized and Placebo-Controlled Study of Isolagen Injection For The Treatment Of Contour Deformities. Isolagen
- 2004-2005 **D03-0313-03** A Phase II, Two- Part, Multicenter, Light Dose Escalation and Randomized, Evaluator-Blinded, Vehicle Controlled, Bilateral Comparison Study of the Safety and Efficacy of Broad Area Photodynamic Therapy (PDT) with Topical Aminolevulinic Acid HCL (ALA) vs. Treatment with Light and Vehicle Alone (VEH) in Subjects with Mild to Moderate Facial Photodamage. DUSA
- 2004-2005 **LUM-ABU-LUM1-070301** Evaluation and Optimization of the Technical and Clinical Performance of the Lumenis One Platform. Lumenis

- 2004-2005 **C-04-11** An evaluation of the 1.5 Medium Tip When Using the ThermoCool System in Facial Treatments. *Thermage*
- 2004-2006 **Y-97-52120-720** A Phase III, Open-Label, Multicenter Study to Assess the Long-Term Safety of Repeat Administrations of 52120 in the Treatment of Glabellar Lines. Inamed
- 2005-2005 **MA-04-002** A Multicenter, Randomized Trial to Determine the Influence of 1320nm ND: Yag Laser (Cooltouch), 1450 NM Diode Laser (Smoothbeam), Radiofrequency Skin Tightening (Thermacool TC) and Intense Pulsed Light (Lumenis) (IPL) Therapy When Administered Immediately After Treatment with Hyaluronic Acid (Restylane) for Tissue Augmentation of the Nasolabial Folds. *Medicis*
- 2005-2005 **CYN05-Spot1-W** 1440nm Photorejuvenation Investigation- to evaluate the potential benefits of using a 1440nm, distributed spot laser for treatment of photodamaged skin. *Cynosure*
- 2005-2005 **04-116** A Multicenter, Bilateral Comparison of the Efficacy and Safety of Auriderm vs. Vehicle on Bruising Associated with a naso-labial Fold Soft Tissue Augmentation Procedure. *Ferndale*
- 2005-2005 **AES-2005-01** Evaluation of the Aesthera PPx System for the Treatment of Vascular and pigmented lesions. *Aesthera*
- 2005-2005 **WEISS R. face-01** Investigations of Treatment Parameters for the Starlux Infracrational Handpiece for Skin Rejuvenation and Tightening in Facial Treatments. Palomar
- 2005-2005 **COL-101-Rose-301** A multicenter randomized double blind placebo controlled parallel group clinical trial to determine the effects of 40mg doxycycline monohydrate release capsules (COL-101) administered once daily versus a placebo control administered once daily for the treatment of rosacea. *Collagenix*
- 2005-2006 **DUSA CP0101** Phase II, 2 part, multicenter, light dose escalation and randomized evaluator blinded vehicle controlled bilateral comparison study of the safety and efficacy of broad area photodynamic therapy (PDT) with topical aminolevulinic acid HCL vs. treatment with light and vehicle alone in subjects with mild to moderated facial damage. *DUSA*
- 2005-2006 **LBS 2005-06** A Multicenter Randomized Phase II Gentle Waves Low Intensity Light Therapy (LILT) 4.0 to 9.2 milliWatts 660nm Light Emitting Diode (LED) System. *Light Bioscience*

- 2005-2007 **Y-97-52120-732** A Phase III Multicenter, Open-Label Extension Study to Assess the Long-term Safety of Repeat Administrations of Reloxin in the Treatment of Glabellar Lines. *Medicis*
- 2006-2006 **PAL-1540** Feasibility Investigation of Palomar Starlux 1540. *Palomar*
- 2006-2006 **CYN06-AFF1D-B 1440/1320-nm MultiPlex Deep Heating.** *Cynosure*
- 2006-2006 **LBS-FA-2006-01** Gentlewaves Low Intensity Light Therapy (LILT) 12-24 milliwatt 660+ 10nm Light Emitting Diode (LED) System for the treatment of facial acne. *Light Bioscience*
- 2006-2006 **Lum-AFXFraxel-0207.** Split-face Comparison Trial ActiveFX vs. Fraxel SR for Skin Resurfacing. *Lumenis*
- 2006-2006 **CYN07-AFF-WEI04** - Affirm Stretch Marks Investigation. *Cynosure*
- 2006-2006 **LuxGen 01**-Feasability Investigation of Combination LuxDeepIR + Lux 1540 for Facial Skin Laxity and Rejuvenation. *Palomar*
- 2006-2007 **IT-A-008** A Phase III Double-Blind, Randomized, Placebo-Controlled Trial of the Safety and Efficacy of Isolagen Therapy™ in the Treatment of Moderate to Severe Facial Acne Scarring. *Isolagen*
- 2008-2008 **EM-P-01-2008** Treatment of cellulite with SmoothShapes System. *Eleme Medical*
- 2008-2008 **CYN08-AFF-ERTIP01** Clinical Evaluation of the Affirm Erbium Yag, 2940nm Laser with Cap array Tip to Determine Optimal Treatment Parameters for the Treatment of Photo Aging. *Cynosure*
- 2008-2008 **ZA07-005** A Prospective Clinical Study of Non-Invasive Cooling of Subcutaneous Fat. *Zeltiq*
- 2008-2008 **LAL-01** Investigation of Palomar LAL System. *Palomar*
- 2008-2008 **LAL-03** Investigation of Palomar LAL System. *Palomar*
- 2008-2008 **GLI.04.SPR.US100100.** Evaluator-blinded, Randomized, Split-Face Study to Assess the Safety and User Satisfaction with Three New Formulations of Pliaglis™ Cream. *Galderma*
- 2008-2008 **US-0508-B** A Multicenter, Randomized, Controlled Study with Independent, Masked Assessment to Evaluate the Safety and Efficacy of the Ultrashape Contour Plus System,

for Non-Invasive abdominal Fat Reduction for the Purpose of Body Contouring-  
Ultrashape

- 2009-2009 **GLI.04.SPR.US10130** User – blinded, Randomized, Split-Face Study to Assess the Safety and User Preference with Four New Formulations of Pliaglis Cream. *Galderma*
- 2009-2009 **LAL-04** Palomar SlimLipo Laser Post Marketing Comparison Study. *Palomar*
- 2009-2009 **LAL-05** A Feasibility Investigation of Palomar Aspire System for Laser-Assisted Lipolysis, Skin Tightening, and Coagulation of Soft Tissue. *Palomar*
- 2009-2010 **MA-1100-001** A Randomized, Double-Blind Study Comparing Safety and Tolerability of Restylane with and without addition of 0.3% Lidocaine HCL During Correction of Nasolabial Folds. *Medicis*
- 2009-2010 **MA-1400-003** A Randomized, Double-Blind Study Comparing Safety and Tolerability of Perlane with and without addition of 0.3% Lidocaine HCL During Correction of Nasolabial Folds. *Medicis*
- 2009-2010 **LP-1100-01** A Randomized, Sham-Controlled Evaluation of the Safety and Effectiveness of Treatment of Adipose Tissue using a Focused Ultrasound Device. *Liposonix*
- 2009-2010 **MA-1300-15** A Randomized, Evaluator-Blinded, No-Treatment-Controlled Study of the Effectiveness and Safety of Restylane in the Augmentation of Soft Tissue Fullness of the Lips. *Medicis*
- 2009-2010 **LOI-15** Post Marketing Study to Evaluate Alternative Treatment Regiments for Improvement of Wrinkles, Skin Tone and Skin texture of the face. *Palomar*
- 2010-2010 **Asclera vs HS** . Treatment of Reticular and Telangiectatic Leg Veins: Double Blind Prospective Comparative Trial Between Asclera (Polidocanol) and Hypertonic Saline. *Bioform*
- 2010-2010 **DEC 2009** A non-interventional retrospective medical records review of patient outcome with bimatoprost ophthalmic solution 0.03% for the treatment of hypotrichosis of the eyelashes. *Allergan*
- 2010-2011 **RD.06.CIP. 18159** A pivotal USA randomized, evaluator-blinded, active- controlled, multi-center, split-face comparison study LDEEP versus Juvederm Ultra Plus in the treatment of moderate to severe facial wrinkles and folds. *Galderma*



- 2010-Present **VAP.VV016** A randomized, blinded, multicenter study to evaluate the efficacy and safety of Varisolve Polidocanol Endovenous Microfoam (PEM) 0.5% and 1% compared to vehicle for the treatment of saphenofemoral junction (SFJ) incompetence. *BTG*
- 2011-2011 **ULT-111** Evaluation of The Ulthera System for Obtaining a Reduction of Wrinkles Around the Eyes. *Ulthera*
- 2011-2011 CED2009 A non-interventional observational and medical records review of patient outcomes with bimatoprost ophthalmic solution 0.03% (Latisse) for the treatment of hypotrichosis of the eyelashes. *Allergan*
- 2011-2011 **GLI.04.SPR.US10183** Evaluation of Relapse, Efficacy and Safety of Long-term Treatment with Oracea® Capsules compared to Placebo after an initial 12 week treatment regimen with Oracea® and MetroGel® (metronidazole) Gel, 1% in Adults with Rosacea. *Galderma*
- 2011-2012 **SYN eTwo Sublime + SRF** Safety and efficacy evaluation of the eTwo™ system for Improvement of Skin Texture via Skin Resurfacing and Wrinkles Reduction. *Syneron/Candela*
- 2012-2012 **BTL-EXLA-2011** Clinical Evaluation of exilis radiofrequency device for the treatment of skin laxity and fat reduction. BTL Industries.
- 2012-2012 **MA-1400-05** A randomized, evaluator-blinded, no-treatment controlled study of the effectiveness and safety of Perlane-L in the correction of mid face volume deficit and/or midface contour deficiency. *Medicis*
- 2012-2012 **MA-1700-04** A randomized, evaluator-blinded, no-treatment controlled study of the effectiveness and safety of small particle hyaluronic acid plus lidocaine (SPHAL) in the augmentation of soft tissue fullness of the lips. *Medicis*
- 2012-2012 **P11004** Evaluation of the Alceara Acne Treatment System. *Palomar*
- 2012 **CP-01-1004** Pivotal Study of the Cabochon System for Improvement in the Appearance of Cellulite. *Cabochon*
- 2012-2012 **P11004** Evaluation of the Acleara Acne Treatment System. *Palomar*
- 2012-Present **MA-1400-05** A Randomized, evaluator-blinded, no-treatment-controlled study of the effectiveness and safety of Perlane-L in the correction of midface volume deficit and/or midface contour deficiency. *Medicis*

- 2012-Present **MA-1700-04** A Randomized, evaluator-blinded, no-treatment-controlled study of the effectiveness and safety of small particle hyaluronic acid plus lidocaine (SPHAL) in the augmentation of soft tissue fullness of the lips. *Medicis*
- 2013 **192024-043** Bimatoplast for the Treatment of Eyebrow Hypotrichosis. *Allergan,*
- 2013 **199201-002** Oxymetazoline HCl Cream for the Treatment of Erythema Associated with Rosacea. *Allergan,*
- 2013 **BTL01-12St** The Efficacy of a Treatment Protocol for the Tightening of Skin and Improvement in Appearance of Sagging Skin using the Exilis Radiofrequency Device. *BTL Industries*
- 2013 **CP-11101-01** Clinical Investigational Plan VenaSeal Sapheon Closure System vs Radiofrequency Ablation for Incompetent Greater Saphenous Veins. Saphenous Veins. *Sapheon, Inc.*
- Protocol: 199201-006 A long Term Safety and Efficacy Study of Oxymetazoline HCl Cream 1.0% in patients with Persistent Erythema associated with rosacea. Allergan
- Protocol: 225678-007A safety and efficacy study to compare Dapsone Gel with vehicle control in patients with Acne Vulgaris. Allergan
- Protocol: VOLBELLA-004 A multicenter, double-blind, randomized, controlled study of the safety and effectiveness of JUVEDERM VOLBELLA™ XC injectable gel for lip and perioral enhancement.
- 2014
- CYN14-PICO-LENS-RW Evaluation of the safety and efficacy for the pico laser with a specialized lens array for the treatment of wrinkles. Cynosure
- CYN-14-Pico-Striae-RW Evaluation of the safety and efficacy of the pico laser with a specialized lens array for the treatment of striae. Cynosure.
- SEB-0121 A randomized, prospective, multicenter, controlled study with blinded assessment to determine the safety and effectiveness of the Sebacia Acne Treatment System in the treatment of acne vulgaris.
- 2015 **ALV Validation Study – BTG-14-020-01** 2015
- A phase III, multi-center, randomized, double blind, placebo-controlled, single dose, trial to demonstrate the safety and efficacy of DWP-450 in adult subjects for treatment of moderate-to-severe glabellar lines **EVOLUS - CLIN001** - 2014
- Protocol: Oxymetazoline Hydrochloride (HCL) cream Allergan 199201-005- 2015

A multi-center, open label, multiple dose, phase II trial to demonstrate the safety of DWP-450 in adult subjects for treatment of moderate-to-severe glabellar lines  
EVOLUS - CLIN006 2015

Fibrocell Technologies, Inc., "A Biopsy Protocol for the Collection of Ethnic Skin Samples for In Vitro Studies" FI-POC-001 2015

Clinical Protocol Number ULT-144 Retrospective Evaluation Of Safety of Combination Treatment with the Ulthera System and Xeomin, Belotero Balance and Radiesse 2015

Clinical Study to Evaluate the Safety and Efficacy of the UltraShape Device Using the U-Sculpt/VDF Transducer for Thighs Fat and Circumference Reduction DHF17991 2015

Clinical Study to Evaluate the Safety and Efficacy of the UltraShape Device Using the U-Sculpt/VDF Transducer for Flanks Fat and Circumference Reduction DHF18001 2015

A Prospective controlled study to assess the safety and efficacy of the Picosure laser for the treatment of melasma on the face CYN15-PICO-MEL-US

A Phase 3, randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Multi-Center study to evaluate the Safety and Efficacy of RTT150 Topical Gel for the Treatment of Moderate to Severe Lateral Canthal Lines. Protocol No. RT001-CL038

2016

Clinical Study to Further Assess the SculpSure Laser: CYN16-Sculp Sure Multi

BTL Industries Limited/ "Long-Term Non-Invasive Reduction of Abdominal Fat with the BTL VANQUISH ME" BTL01.16VNQME

Non-Inferiority Study of the Safety and Efficacy of Ultherapy® Using Standard versus Simulines Transducers at a Reduced Energy Level for Patient Comfort ULT-146

A Double-Blind Clinical Investigation of the Efficacy and Safety of Sienna 810.1000 Used in Conjunction with Laser for Light-Hair Removal  
SL-LHR\_810.1000

### **Non-IRB Studies**

**9-07 AFFIRM T-350 AND T-450 TIP SPLIT FACE INVESTIGATION-** 10 patients to be treated.

**8-00 Cynosure V-Star pulsed dye laser new pulse durations** - 20 patients with facial telangiectasias are to be treated with a six and 10 msec pulse duration to determine efficacy and best fluence for minimal purpura on treatment. 20 patients with leg telangiectasias are also to be treated with similar parameters to investigate whether increased efficacy can be obtained with less purpura. Start date: September 2002.

**Lumenis B-Clear narrow band UVB light source** - 20 patients are to be treated for hypopigmented scars to determine whether this device approved for psoriasis can repigment - and hypo-pigmented traumatic, post-surgical and or acne scars. Study ongoing.

---

---

## UNITED STATES PATENT

---

---

July 29, 1999      US 6,451,007  
Thermal Quenching of Tissue  
Inventors: Robert A. Weiss

July 6, 2001      US 6,752,803  
Method and Apparatus for Applying Energy to Biological Tissue Including the  
Use of Tumescant Tissue Compression  
Inventors: Robert A. Weiss

July 10, 2001      US 6,258,084 B1  
Method for Applying Energy to Biological Tissue Including the Use of  
Tumescant Tissue Compression  
Inventors: Mitchel P. Goldman, Robert A. Weiss, Arthur W. Zikorus, James G.  
Chandler  
Assignee: VNUS Medical Technologies, Inc.

June 22, 2004      US 6,752,803 B2  
Method and Apparatus for Applying Energy to Biological Tissue Including the  
Use of Tumescant Tissue Compression  
Inventors: Mitchel P. Goldman, Robert A. Weiss, Arthur W. Zikorus, James G.  
Chandler  
Assignee: VNUS Medical Technologies, Inc.

Nov 4, 2004      US 10/982,504  
Endovenous Closure of Varicose Veins with Mid-Infrared Laser  
Inventors: Mitchel P. Goldman, Robert A. Weiss, Eric B. Taylor, Don Johnson,  
Ignacio Cespedes  
Assignee: CoolTouch Inc.

April 29, 2009      US 7, 524,316  
Endovenous Closure of Varicose Veins with Mid Infrared Laser  
Inventors: David R. Hennings, Mitchel P. Goldman, Robert A. Weiss, Eric B.  
Taylor, Don Johnson, Ignacio Cespedes  
Assignee: CoolTouch, Inc.

April 12, 2011

US 7,921,854

Endovenous Laser Treatment for Varicose Veins

Inventors: David R. Hennings, Mitchel P. Goldman, Robert A. Weiss, Eric B Taylor, Don Johnson

---

---

## MEDICAL TEXTBOOKS

---

---

**Weiss RA**, Feied C, and Weiss MA. *Vein Diagnosis and Treatment: A Comprehensive Approach*, McGraw-Hill Inc, New York, NY, 2001. Hardcover, 1<sup>st</sup> ed, 350pp **ISBN: 0070692017**

Rigel DS, **Weiss RA**, Lim HW, Dover JS. *Photoaging (Basic and Clinical Dermatology)* CRC Press, 2004. Hardcover 1<sup>st</sup> ed, 416 pp **ISBN-10: 0824754506**

**Weiss RA**, Goldman MP. *Advanced Techniques in Dermatologic Surgery*, Elsevier, Hardcover, 398pp **ISBN: 9780824754051**

**Weiss RA**, GuexJJ, Goldman M. *Sclerotherapy Expert Consult: Treatment of Varicose and Telangiectatic Leg Veins*, Saunders, 2011, Text with DVD, Online and Print, 5<sup>th</sup> ed, 416pp **ISBN: 9780323073677**

**Weiss RA**, Weiss MA, Beasley KL. *Sclerotherapy and Vein Treatment*. McGraw-Hill Inc, New York, NY, 2012. Hardcover, 2<sup>nd</sup> ed, 230pp **ISBN: 978007145425**

Goldman MP, Fitzpatrick RE, Ross VE, Kilmer SL, **Weiss RA**. *Lasers and Energy Devices for the Skin*, CRC Press, 2013. Hardcover 2<sup>nd</sup> ed, 400pp **ISBN-10: 1841849332**

Goldman MP, **Weiss RA**, Guex JJ, Partsch H, Perrin M, Ramelet AA, Ricci S, Maleti O, Lugli M, *Sclerotherapy Expert Consult: Treatment of Varicose and telangiectatic Leg Veins*, Elsevier, 2016, Hardcover, Online E-Book, 6<sup>th</sup> Ed, pp **ISBN: 9780323377263**

---

---

## BOOK CHAPTERS

---

---

**Weiss RA, Weiss MA.** Painful telangiectasias: Diagnosis and Treatment. In Bergan JJ and Goldman MP, eds. *Varicose Veins and Telangiectasias: Diagnosis and Treatment*, St. Louis, Mo: Quality Medical Publishers; 1993; 389 - 406.

**Weiss RA, Weiss MA.** The evaluation and treatment of telangiectatic and varicose leg veins. In Wheeland RG, ed. *Cutaneous Surgery*, Philadelphia, Pa: W.B. Saunders; 1994: 951-81.

**Weiss RA,** Phlebology and Sclerotherapy. In Arndt KA, LeBoit PE, Robinson JK, Wintroub BU. eds. *Cutaneous Medicine and Surgery*, W.B. Saunders, Inc, Philadelphia, 1996; 574- 583.

**Weiss RA.** Sclerotherapy. In Robinson JK, Arndt KA, LeBoit PE, Wintroub BU, eds, *Atlas of Cutaneous Surgery*, W.B. Saunders, Philadelphia, 1996, 263-279.

**Weiss RA, Weiss MA.** Ambulatory phlebectomy compared with sclerotherapy for the treatment of varicose veins: Indications and complications. In Dzubow L, ed, *Advances in Dermatology*, Mosby-Year Book, Inc, St. Louis, 1996:3 -16.

Weiss MA, **Weiss RA.** Sclerotherapeutic agents available in the United States and elsewhere. In Bergan JJ, Goldman MP, eds. *Ambulatory Treatment of Venous Disease*, Mosby-Year Book, Inc, St. Louis, 1996; 37-48.

**Weiss RA,** and Weiss MA. Sclerotherapy of Telangiectasia. In Gloviczki P, Yao JST, eds. *Handbook of Venous Disorders: Guidelines of The American Venous Forum*, Chapman and Hall Medical, London, 1996; 355-373.

**Weiss RA,** Goldman MP, and Fratila A. Phlebology. In: *Textbook of Dermatologic Surgery*, edited by J. L. Ratz, R. G. Geronemus, M. P. Goldman, M. E. Maloney, and R. S. Padilla, Philadelphia: Lippincott-Raven, 1998, p. 579-620.

**Weiss RA,** and Weiss MA. Treatment of Varicose and Telangiectatic Veins. In Dzubow LM, ed, *Cosmetic Dermatologic Surgery*, Philadelphia, Lippincott-Raven Publishers, 1998; 205-222.

**Weiss RA,** Weiss MA. Painful telangiectasias: Diagnosis and Treatment. In Goldman MP, and Bergan JJ, eds. *Varicose Veins and Telangiectasias: Diagnosis and Treatment*, 2nd edition, St. Louis, Mo: Quality Medical Publishers; 1999; 498-517.



**Weiss RA**, Goldman MP. Controlled radiofrequency-Mediated Endovenous Shrinkage and Occlusion. In Goldman MP, and Bergan JJ, eds. *Varicose Veins and Telangiectasias: Diagnosis and Treatment*, 2nd edition, St. Louis, Mo: Quality Medical Publishers; 1999; 217-224.

Goldman MP and **Weiss RA**. Treatment of Leg Telangiectasias with Laser and High-Intensity Pulsed Light. In Goldman MP, and Bergan JJ, eds. *Varicose Veins and Telangiectasias: Diagnosis and Treatment*, 2nd edition, St. Louis, Mo: Quality Medical Publishers; 1999; 470-497.

**Weiss RA**, and Weiss MA. Sclerotherapy for Varicose and Telangiectatic Veins. In: Fitzpatrick's *Dermatology in General Medicine*, 5<sup>th</sup> Edition, edited by IM Freedberg, AZ Eisen, K Wolff, KF Austen, LA Goldsmith, SI Katz and TB Fitzpatrick, McGraw-Hill, 1999, pp. 2959-2967.

Goldman MP, **Weiss RA**, and Bergan JJ. editors. *Varicose Veins and Telangiectasias: Diagnosis and Treatment*, 2nd edition, St. Louis, Mo: Quality Medical Publishers; 1999.

**Weiss RA**, Weiss MA. Noncoherent Filtered Flashlamp Intense Pulsed Light Device (Photoderm VL). In Keller GS, LaCombe VC, Lee PK, and Watson JP, eds. *Lasers in Aesthetic Surgery*, New York, Stuttgart: Thieme; 2001; 195-203.

**Weiss RA**, Weiss MA. Hair Removal with the Epilight IPL System. In Keller GS, LaCombe VC, Lee PK, and Watson JP, eds. *Lasers in Aesthetic Surgery*, New York, Stuttgart: Thieme; 2001; 230-237.

**Weiss RA**, and Weiss MA. Sclerotherapy of Telangiectasia. In Gloviczki P, Yao JST, eds. *Handbook of Venous Disorders*, 2<sup>nd</sup> edition: Guidelines of The American Venous Forum, Arnold, New York, 2001; 267-277.

**Weiss RA**. Photorejuvenation and Subsurface Resurfacing. In Arndt KA, and Dover JS, eds. *Controversies and Conversations in Cutaneous Laser Surgery*, AMA Press, Chicago, 2002; 77-81.

**Weiss RA**. Treatment of Leg Veins With Lasers and Intense Pulsed Light. In Arndt KA, and Dover JS, eds. *Controversies and Conversations in Cutaneous Laser Surgery*, AMA Press, Chicago, 2002; 175-179.

**Weiss RA**, Weiss MA. Therapy Of Telangiectasia and Varicose Veins And Their Complications. In Baran R, and Maibach HI, eds. *Textbook of Cosmetic Dermatology*, Martin Dunitz and Parthenon Publishing, London, 2004; 381-390.

Rigel DS, **Weiss RA**, Lim Henry W, and Dover Jeffrey S. eds. *Photoaging*, Marcel Dekker Inc. New York, NY, 2004.

**Weiss RA**, Weiss MA, Munavalli GS. Intense Pulsed Light for Full Facial Rejuvenation. In Bosniak S, and Cantisano-Zilkha Marian, eds. Minimally Invasive Techniques of Oculofacial Rejuvenation, Thieme Medical Publishers, Inc, New York, 2005; 9-13.

**Weiss RA**, and Goldman MP. Cosmetic Dermatology. Marcel Dekker, Inc, New York, NY, 2006.

**Weiss RA**, Munavalli G. Nonablative Techniques for Photorejuvenation of Facial Skin. In Hirsh R, Sadick N, and Cohen J, eds. Aesthetic Rejuvenation, McGraw Hill, New York, 2009; 54-59.

**Weiss RA**, Beasley KL. Leg Rejuvenation. In Hirsh R, Sadick N, and Cohen J, eds. Aesthetic Rejuvenation, McGraw Hill, New York, 2009; 173-189

**Weiss RA**, Munavalli G. Presentations of Venous Disease. In Murad A , Sirunya S, Treatment of Leg Veins, 2<sup>nd</sup> Edition. Saunders Elsevier 2011; 11-22

**Weiss RA**. Patient Evaluation: History and Physical Examination. In Murad A, Sirunya S, Treatment of Leg Veins, 2<sup>nd</sup> Edition. Saunders Elsevier 2011; 23-30

BeasleyKA, **Weiss RA**. Lasers and Energy Devices for the Skin 2<sup>nd</sup> Edition. Nonablative Fractional Lasers, CRC Press, Taylorand Francis Group, published 2013; 178-191

Falto-Aizpurua LA, ARora H, **Weiss RA**. Laser Treatment for Spider Vein. In Nouri K, Handbook of Lasers in Dermatology. Springer-Verlag London, 2014; 77-93

Falto-Aipurua LA, HalvorsonCR, **Weiss RA**. Intense Pulse Light Therapy. In Nouri K, Handbook of Lasers in Dermatology. Springer-Verlag London, 2014; 263-278

Beasley KL, **Weiss RA**. Sclerotherapy. In Avram M, Avram M, Ratner D, Procedural Dermatology. McGraw-Hill, New York, 2015; 520

Beasley KL, **Weiss RA**. Minimally Invasive Treatment of Varicose Veins. In Avram M, Avram M, Ratner D, Procedural Dermatology. McGraw-Hill, New York, 2015; 527

---

---

## PUBLICATIONS

---

---

Bank, G Mears, **RA Weiss**, J O'Donnell and C Natta: Preferential binding of beta-sickle globin chains associated with stroma in sickle cell disorders. *J Clin Invest* 54: 805, 1974.

Weiss RA and Provost TT: Clinical use and limitations of the lupus band test in diagnosing and evaluating systemic lupus erythematosus. *Int Med* 3: 32-47, 1982.

Hood AF, Farmer ER and **Weiss RA**: Kaposi's Sarcoma. *Johns Hopkins Medical Journal* 151: 222-230, 1982.

**Weiss RA**: Systemic Lupus Erythematosus: Diagnostic tests and clinical correlation. *Dermatol Allergy* 6: 33-41, 1983.

**Weiss RA**, Guillet GYA, Small EA, Weiss MA, Freedberg IM, Farmer ER and Sun TT: The use of monoclonal antibody to keratin in human epidermal disease: Alterations in immunohistochemical staining pattern. *J Invest Dermatol* 81: 224-230, 1983.

**Weiss RA**, Synkowski DR, Mogavero H and Provost TT: Diagnosis and evaluation of systemic lupus erythematosus Update 1983. *Annals Allergy* 51: 135-148, 1983.

Sun TT, Eichner R, Nelson WG, Tseng SCG, **Weiss RA**, Jarvinen M and Woodcock-Mitchell J: Keratin classes: molecular markers for different types of epithelial differentiation. *J Invest Dermatol* 81: 109-115, 1983.

**Weiss RA**, Eichner R and Sun TT: Monoclonal antibody analysis of keratin expression in epidermal diseases: A 48- and 56- kdalton keratin as molecular markers for hyperproliferative keratinocytes. *J Cell Biol* 98: 1397-1406, 1984.

Sun TT, Eichner R, Cooper D, Schermer A, Nelson WG and **RA Weiss**: Classification, expression, and possible mechanisms of evolution of mammalian epithelial keratins: A unifying model. In *The Cancer Cell, Vol I, The Transformed Phenotype*. Eds. A Levine W, Topp E, VandeWoude and Watson JD. Cold Spring Harbor Lab, N.Y, pp. 169-176, 1984.

Sun TT, Eichner R, **Weiss RA** and Freedberg IM: Structural proteins of the epidermis: I.Keratin. *Prog in Dermatol* 18: 1- 3, 1984.

Sun TT, Tseng SCG, Huang AJW, Cooper D, Schermer A, Lynch MH, **Weiss RA** and Eichner R: Monoclonal antibody studies of mammalian epithelial keratins: a review. In *Intermediate Filaments*. Eds. E Wang, D Fischman, RKH Liem and TT Sun. *Annals New York Academy Sciences* 455: 307-329, 1985.

Eto H, Hashimoto K, Kobayashi H, Matsumoto M, Kanazaki T, Mehregan AH and **Weiss RA**: Monoclonal antikeratin antibody: Production, characterization, and immunohistochemical application. *J Invest Dermatol*: 84, 404-409, 1985.

**Weiss RA** and Weiss MA: Resolution of pain associated with varicose and telangiectatic leg veins after compression sclerotherapy. *J Dermatol Surg Oncol* 16; 4:333-336, 1990.

**Weiss RA** and Weiss MA: Incidence of side effects in the treatment of telangiectasias by compression sclerotherapy: Hypertonic saline vs. polidocanol. *Dermatol Surg Oncol* 16:9; 800-804, 1990.

Weiss MA, **Weiss RA**, Goldman MP. How minor varicosities cause leg pain. *Contemporary Ob/Gyn* 1991; 36:113-125.

**Weiss RA**. Treatment of cosmetic leg veins. In *Phlebologia Houston 91*, PRM Editions, Dallas, TX, 1991, 171-188.

**Weiss RA**, Heagle CR, Raymond-Martimbeau P. The Bulletin of the North American Society of Phlebology: Insurance Advisory Committee Report. *Phlebology* 1992. *J Dermatol Surg Oncol* 1992 18(7): 609-16.

Weiss MA, **Weiss RA**, Goldman MP. Negative physician perception of sclerotherapy for venous disorders: Results of a survey and a review of 7-year American experience with modern sclerotherapy. *Southern Med J* 1992; 85: 1101-1106.

**Weiss RA**, Weiss MA. Doppler ultrasound findings in reticular veins of the thigh subdermic lateral venous system and implications for sclerotherapy. *J Dermatol Surg Oncol* 1993; 19; 947-951.

**Weiss RA**. Vascular studies of the legs for venous or arterial disease. In Rapini, R.P, ed. *Dermatologic Clinics*, Philadelphia, PA: W.B. Saunders; 1994: 12 (1); 175-190.

Goldman MP, **Weiss RA**, Bergan JJ. Diagnosis and treatment of varicose veins: A review. *J Am Acad Dermatol* 1994; 31: 393-413.

**Weiss RA**, Weiss MA. Continuous wave venous doppler examination for pretreatment diagnosis of varicose and telangiectatic veins. *Dermatol Surg* 1995; 20: 58-62.

Staudinger P, **Weiss RA**. Compression therapy: low or short stretch bandage and graduated compression stockings for leg edema *Dermatol Surg* 1995; 20: 106.

**Weiss RA**. Polidocanol, the perfect "solution" [editorial; comment]. *J Dermatol Surg Oncol* 20(7): 465, 1994.

**Weiss RA**, Goldman MP. Guest Editors, The role of the American dermatologist in phlebology revisited [editorial]. *Dermatol Surg* 1995; 21(1): 17.

Goldman MP, Sadick NS, **Weiss RA**. Cutaneous necrosis, telangiectatic matting and hyperpigmentation following sclerotherapy: etiology, prevention and treatment. [Review] *Dermatol Surg* 1995; 21: 19-29.

Weiss MA, **Weiss RA**. Sclerotherapy in the U.S. Past, Present and Future. *Dermatol Surg* 1995; 21(5): 393-6.

**Weiss RA**. Video-guided CHIVA treatment [comment]. *Dermatol Surg*. 1995; 21(7): 626.

Cornu-Thenard A, de Cottreau H, **Weiss RA**. Sclerotherapy. Continuous wave Doppler-guided injections. *Dermatol Surg*. 1995; 21(10): 867-70.

**Weiss RA**, Goldman MP. Advances in sclerotherapy. [Review] *Dermatol Clin*. 1995; 13(2): 431-45.

**Weiss RA**, Weiss MA. Promising results found with new interpenetrating polymer network. *Cosmetic Dermatol* 1995; 8 (10): 31-32.

Weiss MA, **Weiss RA**. An argon laser with robotic delivery system provides cost-efficient alternatives. *Cosmetic Dermatol* 1995; 8(11): 44- 45.

**Weiss RA**, Weiss MA. New treatment for telangiectasias and venulectases: Status of intense pulsed light. *Dermatol Surg* 1996; 5: 7.

**Weiss, R.A**, and Weiss, M.A. Hemodynamics in spider veins influenced by feeder veins: Strategy for good therapeutic results. *Phlebology Digest* 1996; 8(2): 4-9.

**Weiss RA**, Weiss MA, Ford RW. Randomized comparative study of Cutinova foam and Allevyn with Jobst UlcerCare stockings for the treatment of venous stasis ulcers. *Phlebology* 1996(1); 14 -16.

Raulin C, Goldman MP, Weiss MA, and **Weiss RA**. Treatment of adult port-wine stains using intense pulsed light therapy (PhotoDerm VL): brief initial clinical report [letter]. *Dermatol.Surg.* 23 (7): 594-597, 1997.

Raulin C, Hellwig S, **Weiss RA**, Shoenermark MP. Treatment of essential telangiectases with an intense pulsed light source (Photoderm VL), *Dermatol Surg*, 23 (10): 941-945, 1997.

Weiss MA, **Weiss RA**. Sclerotherapy. *Current Opinion in Dermatology*. Dahl M.V, Zachary CB eds, Philadelphia: Rapid Science Publishers. (4): 169-174, 1997.

**Weiss RA**, Goldman MP. Transillumination mapping prior to ambulatory phlebectomy. *Dermatol. Surg*, 24: 447-450, 1998.

**Weiss RA, Weiss MA.** Early Clinical Results with a Multiple Synchronized Pulse 1064 NM Laser for Leg Telangiectasias and Reticular Veins. *Dermatol Surg*, 25: 399-402, 1999.

Raulin C, Schroeter CA, **Weiss RA**, Keiner M, Werner S. Treatment of port-wine stains with a noncoherent pulsed light source: a retrospective study. *Arch Dermatol Jun*; 135(6): 679-83, 1999.

**Weiss RA**, Harrington AC, Pfau RC, Weiss MA, Marwaha S. Periorbital skin resurfacing using high-energy erbium: YAG laser: results in 50 patients. *Lasers Surg Med*; 24(2): 81-6, 1999.

**Weiss RA**, Weiss MA, Marwaha S, Harrington AC. Hair removal with a non-coherent filtered flashlamp intense pulsed light source. *Lasers Surg Med*; 24(2): 128-32, 1999.

**Weiss RA**, Sadick NS, Goldman M, Weiss MA. Post-sclerotherapy compression: controlled comparative study of duration of compression and its effects on clinical outcome. *Dermatol Surg* 25(2): 105-8, 1999.

Goldman MP, Sadick NS, **Weiss RA**. Treatment of spider veins with the 595 nm pulsed-dye laser. *J Am Acad Dermatol*. 2000 May; 42(5 Pt 1): 849-50.

Bergan JJ, **Weiss RA**, Goldman MP. Extensive tissue necrosis following high-concentration sclerotherapy for varicose veins. *Dermatol Surg*. 2000 Jun; 26(6): 535-41; discussion 541-2.

Goldman MP, Sadick NS, **Weiss RA**. The history of dermatology in American phlebology. *Dermatol Surg*. 2000 Jul; 26(7): 616-21.

**Weiss RA**, Goldman MP, Weiss MA. Treatment of poikiloderma of Civatte with an intense pulsed light source. *Dermatol Surg*. 2000 Sep; 26(9): 823-7; discussion 828.

**Weiss RA**, Sadick NS. Epidermal Cooling Crystal Collar Device for Improved Results and Reduced Side Effects on Leg Telangiectasias Using Intense Pulsed Light. *Dermatol Surg*. 2000 26(11): 1015-1018.

Sadick NS, **Weiss RA**, Shea CR, Nagel H, Nicholson J, Prieto VG. Long-term photoepilation using a broad-spectrum intense pulsed light source. *Arch Dermatol*. 2000 Nov; 136(11): 1336-40.

Dauplaise TL, **Weiss RA**. Duplex-guided Endovascular Occlusion of Refluxing Saphenous Veins. *Journal of Vasc Tech*. 2001 25 (2) 79-82.

Goldman MP, **Weiss RA**. Treatment of poikiloderma of Civatte on the neck with an intense pulsed light source. *Plast Reconstr Surg*. 2001 107(6): 1376-81.

**Weiss RA**, Goldman MP. Interpenetrating polymer network wound dressing versus petrolatum following facial CO2 laser resurfacing: a bilateral comparison. *Dermatol Surg*. 2001 27(5): 449-51.

**Weiss RA.** Endovenous techniques for elimination of saphenous reflux: a valuable treatment modality. *Dermatol Surg.* 2001 27(10): 902-5.

**Weiss RA,** Dover JS. Laser surgery of leg veins. *Dermatol Clin.* 2002 20(1): 19-36.

Sadick NS, **Weiss RA,** Goldman MP. Advances in laser surgery for leg veins: bimodal wavelength approach to lower extremity vessels, new cooling techniques, and longer pulse durations. *Dermatol Surg.* 2002 28(1): 16-20. Review

**Weiss RA,** Weiss MA. Controlled radiofrequency endovenous occlusion using a unique radiofrequency catheter under duplex guidance to eliminate saphenous varicose vein reflux: a 2-year follow-up. *Dermatol Surg.* 2002 28(1): 38-42.

**Weiss RA,** Ramelet AA. Removal of blue periocular lower eyelid veins by ambulatory phlebectomy. *Dermatol Surg.* 2002 28(1): 43-5.

**Weiss RA.** Comparison of endovenous radiofrequency versus 810 nm diode laser occlusion of large veins in an animal model. *Dermatol Surg.* 2002 28(1): 56-61.

Fatemi A, Weiss MA, **Weiss RA.** Short-Term Histologic Effects of Nonablative Resurfacing: Results with a Dynamically Cooled Millisecond-Domain 1320 nm Nd: YAG Laser. *Dermatol Surg.* 2002 28(2): 172-6.

**Weiss RA,** Dover JS. Leg vein management: sclerotherapy, ambulatory phlebectomy, and laser surgery. *Semin Cutan Med Surg.* 2002 21(1): 76-103.

**Weiss RA,** and Weiss MA, Sclerotherapeutic Agents Used For Treatment of Spider and Varicose Veins: Update 2002. *J Drugs in Dermatol.* 2002 (1) 53-9.

**Weiss RA,** Weiss MA, Beasley KL. Rejuvenation of photoaged skin: 5 year results with intense pulsed light of the face, neck and chest. *Dermatol Surg.* 2002 28 (12): 1115-9.

Beasley KL, **Weiss RA,** Weiss MA. New parameters for Intense Pulsed Light rejuvenation with thermoelectrically chilled crystal delivery system. *Cosmetic Dermatol.* 2002 (15)7 14-16.

**Weiss RA,** McDaniel DH, Geronemus RG. Review of nonablative photorejuvenation: reversal of the aging effects of the sun and environmental damage using laser and light sources. *Semin Cutan Med Surg.* 2003 22(2): 93-106. Review

Hsu TS, **Weiss RA.** Foam sclerotherapy: a new era. *Arch Dermatol.* 2003 139 (11): 1494-6.

**Weiss RA**, Weiss MA, Geronemus RG, McDaniel DH. A novel non-thermal non-ablative full panel LED photomodulation device for reversal of photoaging: digital microscopic and clinical results in various skin types. *J Drugs Dermatol*. 2004 3(6):605-10.

**Weiss RA**, McDaniel DH, Geronemus RG, Weiss MA. Clinical trial of a novel non-thermal LED array for reversal of photoaging: clinical, histologic, and surface profilometric results. *Lasers Surg Med*. 2005 36(2):85-91.

**Weiss RA**, Weiss MA, Beasley KL, Munavalli G, Our approach to non-ablative treatment of photoaging. *Lasers Surg Med*. 2005 37 (1):2-8.

Goldman MP, **Weiss RA**. To the Editor: Re: Endovascular laser procedures and deep vein thrombosis. *Dermatol Surg*. 2005 31(5):610.

Goldman MP, **Weiss RA**, Weiss MA. Intense pulsed light as a nonablative approach to photoaging. *Dermatol Surg*. 2005 31 (9 Pt 2): 1179-87.

**Weiss RA**, McDaniel DH, Geronemus RG, Weiss MA, Beasley KL, Munavalli GS, Bellew SG. Clinical experience with light emitting diode (LED) photomodulation. *Dermatol Surg*. 2005 31 (9 Pt 2):1199-205.

Bellew SG, Lee C, Weiss MA, **Weiss RA**. Improvement of atrophic acne scars with a 1320-nm Nd:YAG laser: A retrospective study. *Dermatol Surg*. 2005 31 (9 Pt 2):1218-21.

Munavalli GM, **Weiss RA**, Halder RM. Photoaging and nonablative photorejuvenation in ethnic skin. *Dermatol Surg*. 2005 31(9 Pt2):1250-60.

Goldman MP, **Weiss RA**. Regarding "Ultrasound findings after radiofrequency ablation of the great saphenous vein". *J Vasc Surg*. 2005 41(5):914-5

Bellew SG, Weiss MA, **Weiss RA**. Medical pearl: rinse-free instant hand sanitizer for use as dermoscopy fluid. *J Am Acad Dermatol*. 2005 52(5):893-4.

Bellew SG, Carroll KC, Weiss MA, **Weiss RA**. Sterility of stored non-animal, stabilized hyaluronic acid gel syringes after patient injection. *J Am Acad Dermatol*. 2005 52(6):988-90.

Bellew SG, Weiss MA, **Weiss RA**. Comparison of intense pulsed light to 595-nm long-pulsed pulsed dye laser for treatment of hypertrophic surgical scars: A prospective clinical study. *J Drugs Dermatol*. 2005 (4)4 448-452.

**Weiss RA**, Munavalli GM. Endovenous ablation of truncal veins. *Semin Cutan Med Surg*. 2005 24(4):193-9



Fadowski J, Cole SR, Hwang W, Fiorenza J, **Weiss RA**, Gerson A, Furth SL. Changes in physical and psychosocial functioning among adolescents with chronic kidney disease. *Pediatr Nephrol*. 2006 21(3):394-9.

Munavalli GS, **Weiss RA**. Complications of sclerotherapy. *Semin Cutan Med Surg*. 2006 26(1):22-8.

Munavalli, G.S, **Weiss RA**. Advances in Techniques for Endovenous Ablation of Truncal Veins. *Skin Therapy Letter*. 2006 11 (3) 4-7

Dunn CW, Kabnick LS, Merchant RF, Owens R, **Weiss RA**. Endovascular radiofrequency obliteration using 90 degrees C for treatment of great saphenous vein. *Ann Vasc Surg*. 2006 20(5):625-9.

**Weiss RA**, Weiss MA, Munavalli G, Beasley KL. Monopolar radiofrequency facial tightening: a retrospective analysis of efficacy and safety in over 600 treatments. *J Drugs Dermatol*. 2006 5(8):707-12.

**Weiss RA**, Gold M, Bene N, Biron JA, Munavalli G, Beasley K. Prospective clinical evaluation of 1440-nm laser delivered by microarray for treatment of photoaging and scars. *J Drugs Dermatol*. 2006 5(8):740-4.

**Weiss RA**, Weiss MA, Beasley KL, Munavalli G. Autologous cultured fibroblast injection for facial contour deformities: a prospective, placebo-controlled, Phase III clinical trial. *Dermatol Surg*. 2007 33(3):263-8.

Bogle MA, Ubelhoer N, **Weiss RA**, Mayoral F, Kaminer MS. Evaluation of the multiple pass, low fluence algorithm for radiofrequency tightening of the lower face. *Lasers Surg Med*. 2007 39(3):210-7.

Munavalli GS, **Weiss RA**. Complications of sclerotherapy. *Semin Cutan Med Surg*. 2007 26(1):22-8.

Munavalli GS, **Weiss RA**. Evidence for laser-and light-based treatment of acne vulgaris. *Semin Cutan Med Surg*. 2008 (3):207-11.

Dodson JL, Gerson AC, Hsiao CJ, Kaskel FJ, **Weiss RA**, Furth SL. Parent perspectives of health related quality of life in adolescents with chronic kidney disease due to underlying urological disorders: an assessment using the Child Health Questionnaire-Parent Form 50. *J Urol*. 2008 180(4):1700-4; 1704.

Fremaux-Bacchi V, Miller EC, Liszewski MK, Strain L, Blouin J, Brown AL, Moghal N, Kaplan BS, **Weiss RA**, Lhotta K, Kapur G, Matto T, Nivet H, Wong W, Gie S, Hurault De Ligny B, Fischbach M, Gupta R, Hauhart R, Meunier V, Loirat C, Dragon-Duey MA, Fridman WH, Jassen BJ, Goodship TH, Atkinson JP. Mutations in complement C3 predispose to development of atypical hemolytic uremic syndrome. *Blood*. 2008 15; 112(13):4949-52.

Nijsten T, Van Den Bos RR, Goldman MP, Kockaert MA, Proebstle TM, Rabe E, Sadick NS, **Weiss RA**, Neumann MH. Minimally invasive techniques in the treatment of saphenous varicose veins. *J Am Acad Dermatol*. 2009 60(1):110-9.

Beasley KL, Weiss MA, **Weiss RA**. Hyaluronic acid fillers: a comprehensive review. *Facial Plast Surg*. 2009 25(2):86-94. 2009 May 4.

Kapur R, Aakalu VK, August CZ, **Weiss RA**. Mucormycosis infection of the lacrimal sac. *Ophthal Plast Reconstr Surg*. 2009 25(6):494-6.

Dover J, Burns AJ, Coleman S, Fitzpatrick R, Garden J., Goldberg D, Geronemus R, Kilmer S, Mayoral F, **Weiss R**, Zelickson B, Tanzi E. A prospective clinical study of noninvasive cryolipolysis for subcutaneous fat layer reduction-interim report of available subject data. *Laser Surg Med* 2009; 33:482-488.

Beasley KL, Weiss MA, **Weiss RA**. Soft tissue augmentation using a two-way connector to supplement hyaluronic acid filler with 1% lidocaine hydrochloric acid with epinephrine 1:100,000: our experience and observations. *Dermatol Surg* 2010 36(4):524-6.

Weiss MA, **Weiss RA**. Adding sclerotherapy to your practice. *Dermatol Surg*. 2010 36 2:1034-9.

McDaniel DH, **Weiss RA**, Geronemus RG, Mazur C, Wilson S, Weiss MA. Varying ratios of wavelengths in dual wavelength LED photomodulation alters gene expression profiles in human skin fibroblasts. *Lasers Surg Med*. 2010 42(6):540-5.

Trelles MA, **Weiss RA**, Moreno-Moragas J, Romero C, Velez M, Alvarez X. Treatment of leg veins with combine pulsed dye and Nd: YAG lasers: 60 patients assessed at 6 months. *Lasers Surg Med*, 2010 42(9):609-14.

Gold MH, Khatri KA, Hails K, **Weiss RA**, Fournier N. Reduction in thigh circumference and improvement in the appearance of cellulite with dual-wavelength, low-level laser energy and massage. *J Cosmet Laser Ther*. 2011 13(1):13-20.

**Weiss RA**, Voigts R, Howell DJ. Absence of concentration congruity in six compounded polidocanol samples obtained for leg sclerotherapy. *Dermatol Surg*. 2011 37(6):812-5. doi: 10.1111/j.1524-4725.2011.01906.x.

**Weiss RA**, Deland MM, Geronemus RG, McDaniel DH. Letter: Light-emitting diode photomodulation and radiation dermatitis. *Dermatol Surg*. 2011 37(6):885-6. doi: 10.1111/j.1524-4725.2011.01988.x.

Rohrich RJ, Hanke CW, Busso M, Carruthers A, Carruthers J, Fagien S, Fitzgerald R, Glogau R, Greenberger PE, Lorenc ZP, Marmur ES, Monheit GD, Pusic A, Rubin MG, Rzany B, Sclafani A, Taylor S, Weinkle S, McGuire MF, Pariser DM, Casas LA, Collishaw KJ, Dailey RA, Duffy SC, Edgar EJ, Greenan BL, Haenlein K, Henrichs RA, Hume KM, Lum F, Nielsen DR, Poulsen L, Schoaf L, Seward W, Begolka WS, Stanton RG, Svedman KJ, Thomas JR, Sykes JM, Wargo C, **Weiss RA**. Facial soft-tissue fillers conference: assessing the state of the science. *Plastic Reconstr Surg*. 2011 127(4):22S-S.

Jewell ML, Baxter RA, Cox SE, Donofrio LM, Dover JS, Glogau RG, Kane MA, **Weiss RA**, Martin P, Schlessinger J. Randomized sham-controlled trial to evaluate the safety and effectiveness of a high-intensity focused ultrasound device for noninvasive body sculpting. *Plast Reconstr Surg*. 2011 128(1):253-62.

Hanke CW, Rohrich RJ, Busso M, Carruthers A, Carruthers J, Fagien S, Fitzgerald R, Glogau R, Greenberger PE, Lorenc ZP, Marmur ES, Monheit GD, Pusic A, Rubin MG, Rzany B, Sclafani A, Taylor S, Weinkle S, McGuire MF, Pariser DM, Casas LA, Collishaw KJ, Dailey RA, Duffy SC, Edgar EJ, Greenan BL, Haenlein K, Henrichs RA, Hume KM, Lum F, Nielsen DR, Poulsen L, Shoaf L, Seward W, Begolka WS, Stanton RG, Svedman KJ, Thomas JR, Sykes JM, Wargo C, **Weiss RA**. Facial Soft-Tissue Fillers: Assessing the State of the Science conference-Proceedings report. *J Am Acad Dermatol*. 2011 64(4):S53-65.

Hanke CW, Rohrich RJ, Busso M, Carruthers A, Carruthers J, Fagien S, Fitzgerald R, Glogau R, Greenberger PE, Lorenc ZP, Marmur ES, Monheit GD, Pusic A, Rubin MG, Rzany B, Sclafani A, Taylor S, Weinkle S, McGuire MF, Pariser DM, Casas LA, Collishaw KJ, Dailey RA, Duffy SC, Edgar EJ, Greenan BL, Haenlein K, Henrichs RA, Hume KM, Lum F, Nielsen DR, Poulsen L, Shoaf L, Seward W, Begolka WS, Stanton RG, Svedman KJ, Thomas JR, Sykes JM, Wargo C, **Weiss RA**. Facial Soft-Tissue Fillers conference: Assessing the State of the Science. *J Am Acad Dermatol*. 2011 64(4):S66-85, S85.e1-136.

**Weiss, RA**, Ross, E. V, Tanghetti, E. A, Vasily, D. B, Childs, J. J, Smirnov, M. Z. and Altshuler, G. B. Characterization of an optimized light source and comparison to pulsed dye laser for superficial and deep vessel clearance. *Lasers in Surgery and Medicine*, 2011 43(2):92-98.

Peterson JD, Goldman MP, **Weiss RA**, Duffy DM, Fabi SG, Weiss MA, Guiha I. Treatment of Reticular and Telangiectatic Leg Veins: Double-Blind, Prospective Comparative Trial of Polidocanol and Hypertonic Saline. *Dermatol Surg*. 2012 doi: 10.1111/j.1524-4725.2012.02422

Glogau R, Bank D, Brandt F, Cox S, Donofrio L, Dover J, Grekin S, Lawrence I, Lin X, Nestor M, Shamban A, Stewart D, **Weiss RA**, Gately RA, Theisen M, Smith S. Randomized, Evaluator-Blinded, Controlled Study of the Effectiveness and Safe of Small Gel Particle Hyaluronic Acid for Lip Augmentation. *Dermatol Surg*. 2012; 38:1180- 1192.

Jewell ML, **Weiss RA**, Baxter RA, Cox SE, Dover JS, Donofrio LM, Glogau RG, Kan MC, Martin P, Lawrence ID, Schlessinger J. Safety and tolerability of high-intensity focused ultrasonography for noninvasive body sculpting: 24-week data from a randomized, sham-controlled study. *Aesthet Surg J*. 2012 32(7):868-76. doi: 10.1177/1090820X12455190.

Koyle MA, Kirsch AJ, Barone CJ 2<sup>nd</sup>, Elder JS, Shifrin D, Skoog SJ, Snodgrass WT, **Weiss RA**. Challenges in childhood urinary tract infection/vesicoureteral reflux investigation and management calming the storm. *Urology*. 2012 80(3):503-8.

William Hanke C, Narins RS, Brandt F, Cohen JL, Donofrio LM, Downie J, Heinz M, Harrington L, McDaniel DH, Nestor M, Schlessinger J, Schlöbe A, Taub A, **Weiss RA**. A Randomized, Placebo-Controlled, Double-Blind Phase III Trial Investigating the Efficacy and Safety of Incobotulinumtoxin A in the Treatment of Glabellar Frown Lines Using a Stringent Composite Endpoint. *Dermatol Surg*. 2013 18. doi: 10.1111/dsu.12160.

Munavalli GS, Smith S, Maslowski JM, **Weiss RA**. Successful Treatment of Depressed, Distensible Acne Scars Using Autologous Fibroblasts: A Multi-Site, Prospective, Double Blind, Placebo-Controlled Clinical Trial. Multicenter, Randomized, Phase III Study of a Single Dose of Incobotulinumtoxin A, Free Complexing Proteins, in the Treatment of Glabellar Frown Lines, *Dermatol Surg*. 2013, 8. doi: 10.1111/dsu.12204.

Carruthers A, Carruthers J, Coleman WP 3<sup>rd</sup>, Donofrio L, Flynn T, Gold M, Heinz M, Harrington L, Jones D, McDaniel D, Rohrer T, Schlöbe A, Solish N, **Weiss RA**. Multicenter, Randomized, Phase III Study of a Single Dose of Incobotulinumtoxin A, Free from Complexing Proteins, in the Treatment of Glabellar Frown Lines. *Dermatol Surg*. 2013 39(4):551-8. doi: 10.1111/dsu.12100.

**Weiss RA**. Noninvasive Radio Frequency for Skin Tightening and Body Contouring, *Seminars in Cutaneous Medicine and Surgery*, 2013 32:9-17.

**Weiss RA**, Weiss MA, Beasley KL, Vrba J, Bernardy J. Operator Independent Focused High Frequency ISM Band for Fat Reduction: Porcine Model. *Lasers Surg Med*, 2013;45(4):235-9.

Beasley K L, **Weiss RA**, Radiofrequency in Cosmetic Dermatology. *Advances in Cosmetic Dermatology*, 2014;32:79-90.

Malskat WS, Poluektova AA, van der Geld CW, Neumann HA, **Weiss RA**, Bruijninx CM, van Gemert MJ. Endovenous laser ablation (EVLA): a review of mechanisms, modeling outcomes, and issues for debate. *Lasers Med Sci*. 2014 Mar;29(2):393-403.

McDaniel D, **Weiss R**, Weiss M, Mazur C, Griffin C. Two-Treatment Protocol for skin laxity using 90-watt dynamic monopolar radiofrequency device with real-time impedance monitoring. *J Drugs in Dermatol*. 2014;13(9):611-616.

**Weiss RA**, Weiss MA. Evaluation of a novel anti-aging topical formulation containing cycloastragenol, growth factors, peptides, and antioxidants. *J Drugs in Dermatol*. 2014 Sep 1;13(9):1135-9.

**Weiss RA**, Weiss MA, Eimpunth S, Wheeler S, Udompunturak S, Beasley KL. Comparative outcomes of different endovenous thermal ablation systems on great and small saphenous vein insufficiency: Long-term results. *Lasers Surg Med*. 2015 Feb;47(2)

KaminerMS, ColemanWP 3<sup>rd</sup>, **Weiss RA**, Robinson DM, Coleman WP 4<sup>th</sup>, Hornfeldt C. Multicenter Pivotal study of vacuum -assisted precise tissue release for the treatment of cellulite. *Dermatol Surg*. 2015 Mar;41(3):336-47.

Ibrahimi OA, **Weiss RA**, Weiss MA, Halvorson CR, Mayoral F, Ross EV, Cohen JL. Treatment of Acne Scars with High Intensity Focused Radio Frequency. *J Drugs Dermatol*. 2015 Sep;14(9):1065-8.

Gold AH, Pozner J, **Weiss RA**. A Fractionated Bipolar Radiofrequency Device combined with a Bipolar Radiofrequency and Infrared Light Treatment for Improvement in facial Wrinkles and Overall Skin Tone and Texture. *Aesthetic Surgery Journal*. 2016 July;10:1-10.

---

---

## ABSTRACTS

---

---

**RA Weiss**, MA Weiss, IM Freedberg, ER Farmer and TT Sun: The use of monoclonal antibody to keratin in human disease - analysis of normal and pathologic keratinization. Clin Res 30s: 489, 1982.

**RA Weiss** and TT Sun: A 48kd and 56kd keratin as molecular markers of epidermal hyperproliferation: Monoclonal antibody analysis. J Invest Dermatol 80s: 337, 1983.

TT Sun, R Eichner, **RA Weiss**, WG Nelson and D Cooper: Immunological Characterization and Functional Significance of Mammalian Epithelial Keratins. J Cell Biol 97s 372, 1984.

**RA Weiss**, T Gaither and TJ Lawley: Induction of complement receptors on cultured human umbilical vein endothelial cells. J Invest Dermatol 82s: 427, 1984.

**RA Weiss**, A Torres and R Eichner: Induction of psoriasis-like keratin expression in normal epidermis by tape-stripping. J Invest Dermatol 84s: 346, 1985.

**RA Weiss**, MA Weiss: Incidence of side effects in the treatment of telangiectasias by compression sclerotherapy: Hypertonic saline vs. polidocanol. J Dermatol Surg Oncol 16s: 92, 1990.

MA Weiss, **RA Weiss**: Efficacy and side effects of 0.1% sodium tetradecyl sulfate in compression sclerotherapy of telangiectasias: Comparison to 1% polidocanol and hypertonic saline. J Dermatol Surg Oncol 17s: 90-91, 1991.

**RA Weiss**, MA Weiss: Use of the human umbilical vein as an in vitro human model for studying the action of sclerosing solutions. J Dermatol Surg Oncol 17s: 91, 1991.

**Weiss RA**, Weiss MA. Doppler ultrasound findings in reticular veins of the thighs. J Dermatol Surg Oncol, 18s: 62, 1992.

**Weiss RA**, Weiss MA. Reflux in the lateral venous system: Cause of painful telangiectasias. In Phlebologie 92. Eds P. Raymond-Martimbeau, R. Prescott, M. Zummo. John Libbey Eurotext, Paris, p.305, 1992.

Weiss MA, **Weiss RA**. Lateral venous system sclerotherapy - the key to rapid resolution of thigh telangiectases. J Dermatol Surg Oncol, 19s: 52, 1993.

**Weiss RA**, Weiss MA. Abnormal photoplethysmography examination is not predicted by age. J Dermatol Surg Oncol, 20s: 65- 66, 1994.

**Weiss RA**, Weiss MA, Ford RW. Randomized comparative study of Cutinova Foam and Allevyn with Jobst UlcerCare Stockings for the treatment of venous stasis ulcers. *Dermatol Surg* 22s: 395, 1996.

**Weiss RA**, Weiss MA. Photothermal sclerosis of telangiectatic leg veins resistant to sclerotherapy using the Photoderm VL. *Dermatol Surg*. 22s: 403-404, 1996.

**Weiss RA**, Weiss MA, Goldman MP. Photothermal sclerosis of resistant telangiectatic leg and facial veins using the Photoderm VL. *Lasers Surg Med* 8s: 40-41, 1996.

**Weiss RA** and Weiss MA. Combination intense pulsed light and sclerotherapy: A synergistic effect. *Dermatol. Surg.* 23s: 969, 1997.

**Weiss RA** and Weiss MA. Combination ambulatory phlebectomy with sclerotherapy of distal branches: Compatible techniques. *Dermatol. Surg.* 23s: 969, 1997.

**Weiss RA** and Weiss MA. Intense pulsed light revisited: progressive increase in pulse durations for better results on leg veins. *Dermatol. Surg.* 23s: 969-970, 1997.

**Weiss RA**, Weiss MA, Marwaha S, and Harrington AC. Non-coherent filtered flash lamp intense pulsed light source for leg telangiectasias: Long pulse durations for improved results. *Lasers Surg. Med.* 10s: 32, 1998.

**Weiss RA**, Weiss MA, Marwaha S, and Harrington AC. Periorbital skin resurfacing using an erbium: YAG 350  $\mu$  sec pulse: Results in 50 patients. *Lasers. Surg. Med.* 10s: 34, 1998.

**Weiss RA**, Weiss MA, Marwaha S, and Harrington AC. Hair removal with a non-coherent filtered flashlamp pulsed light source. *Lasers Surg Med* 10s: 40, 1998.  
Harrington AC,

**Weiss RA**, Pfau R, and Weiss MA. Detailed histologic analysis of a new combination laser delivering simultaneous Erbium: YAG and low dose CO<sub>2</sub>. *Lasers Surg Med* 11s:16, 1999.

**Weiss RA**, Weiss MA. Epidermal crystal cooling collar (E3C) device for improved results on leg veins using intense pulsed light. *Lasers Surg Med* 11s: 20, 1999.

Sadick NS, **Weiss RA**, and Goldman MP. The utilization of a new Nd: YAG pulsed laser for the treatment of varicose veins. *Lasers Surg Med* 11s: 21, 1999.

**Weiss RA, Weiss MA.** Initial Results with a new synchronized pulsed 1064nm laser for larger leg telangiectasias. *Lasers Surg Med* 11s: 21, 1999.

**Weiss RA, Harrington AC, Pfau R, Weiss MA.** Comparison of Er: YAG alone with Er: YAG with simultaneous low energy CO2 for perioral resurfacing. *Lasers Surg Med* 11s: 21, 1999.

**Weiss MA, Weiss RA, Marwaha S, Harrington AC.** Intense pulsed light for hair removal: Results at 1.5 years. *Lasers Surg Med* 11s: 21, 1999.

**Weiss RA, Weiss MA, and Sadick NS.** One-year results with the long pulsed 1064nm laser for leg telangiectasias. *Lasers Surg Med* 12s: 29, 2000.

**Weiss MA, Weiss R, Harrington AC, Turner M and Costarangos C.** Intense pulsed light for non-ablative scar revision: Retrospective analysis of 50 patients. *Lasers Surg Med* 12s: 53, 2000.

**Weiss RA, Weiss MA, and Goldman MP.** Comparison of 1064nm laser systems for treatment of leg telangiectasias. *Lasers Surg Med* 12s: 63, 2000.

**Weiss RA, Weiss MA, Nestor MS, and Turner M.** Nonablative dynamic cryogen spray cooled laser treatment of facial acne scars. *Lasers Surg Med* 12s: 63, 2000.

**Weiss RA, Weiss MA, and Costarangos C.** Long term clinical results at 4 years using intense pulsed light (IPL) for treatment of actinic changes including poikiloderma, telangiectasias and blotchy pigmentation. *Lasers Surg Med* 13s: 19, 2001.

Sadick NS and **Weiss R.** A new yellow light laser for the treatment of class 1 red telangiectasias. *Lasers Surg Med* 13s: 25, 2001.

**Weiss RA** and Dauplaise TL. Endovascular radiofrequency (RF) occlusion of refluxing saphenous veins. *Lasers Surg Med* 13s: 49, 2001.

**Weiss RA** and Weiss MA. Subsurface resurfacing using a cryogen spray cooled 1320nm laser. *Lasers Surg Med* 13s: 64, 2001.

**Weiss RA** and Weiss MA. Facial laser hair removal using 1064nm Nd: Yag: A comparison of two different cooling methods. *Lasers Surg Med* 13s: 64, 2001.

McDaniel DH, **Weiss R,** Geronemus R, Ginn L, and Newman J. Light tissue interaction II: Photothermolysis vs. Photomodulation clinical applications. *Lasers Surg Med* 14s: 25, 2002.



**Weiss RA** and Weiss MA. Dynamically cooled millisecond domain 1064nm Nd: Yag laser hair removal in skin types IV-VI. *Lasers Surg Med* 14s: 26, 2002.

Fatemi Afschin, Weiss MA and **Weiss RA**. Short-term histologic effects of non-ablative resurfacing: Results with a dynamically cooled millisecond domain 1320nm Nd: Yag laser. *Lasers Surg Med* 14s: 32, 2002.

**Weiss RA**. Comparison of endovenous radiofrequency versus 810nm diode laser occlusion of large veins in an animal model. *Lasers Surg Med* 14s: 38, 2002.

Beasley KL, **Weiss RA** and Weiss MA. New parameters and results for IPL Photorejuvenation with a thermoelectrically chilled crystal and redesigned delivery head. *Lasers Surg Med* 14s: 55, 2002.

**Weiss RA** and Weiss MA. Treatment of severe post-sclerotherapy hyperpigmentation with Q-switched ruby laser. *Lasers Surg Med* 14s: 55, 2002.

**Weiss RA** and Weiss MA. Long pulsed dye laser (LPDL) treatment of resistant telangiectatic matting of the legs. *Lasers Surg Med* 14s: 86, 2002.

McDaniel DH, Newman J, Geronemus R, **Weiss RA**, Weiss MA. Non-Ablative Non-Thermal LED Photomodulation-A Multicenter Clinical Photoaging Trial, *Lasers Surg Med*, 15s: 22, 2003.

McDaniel DH, Newman J, Geronemus R, **Weiss RA**, Weiss MA. Non-Ablative LED Photomodulation-Light Activated Fibroblast Stimulation Clinical Trial. *Lasers Surg Med*, 15s: 22, 2003.

McDaniel DH, Newman J, Geronemus R, **Weiss RA**, Weiss MA. Comparison of Non Ablative Fibroblast Photoactivation with and without Application of Topical Cosmeceutical Agents. *Lasers Surg Med*, 15s: 23, 2003.

Sadick N, Prieto V, Shea C, **Weiss RA**, Kilmer S, Bitter P. Results of Non-Ablative Skin Rejuvenation with an Intense Pulsed Light Source: A Multi-Center Study. *Lasers Surg Med*, 15s: 23, 2003.

**Weiss RA**, Weiss MA, Beasley KL. Dermal Response to a Novel Non-Ablative Scanned 1319nm Laser with Controlled Skin Temperature and Variable Pulse Duration. *Lasers Surg Med*, 15s: 24, 2003.

McDaniel DH, Geronemus R, **Weiss RA**, Weiss MA, Newman J. LED photomodulation reverses acute UV induced skin damage. *Lasers Surg.Med.* 16s: 30, 2004.

**Weiss RA**, McDaniel DH, Geronemus R, Weiss MA, Newman J. Non-ablative, non-thermal light emitting diode (LED) phototherapy of photoaged skin. *Lasers Surg.Med.* 16s: 31, 2004.

Munavalli G, Weiss MA, Beasley KL, Bellew SG, **Weiss RA**. Intensified pulsed light vs. 10mm spot 532nm KTP green for photorejuvenation: A split face comparison pilot study. *Lasers Surg Med* 17s: 66, 2005

Geronemus R, McDaniel DH, **Weiss RA**, Weiss MA. Led photomodulation reverses acute UV induced matrix enzyme expression. *Lasers Surg Med* 17s: 77, 2005.

**Weiss RA**, McDaniel DH, Geronemus R, Weiss MA. Led photomodulation induced hair growth stimulation. *Lasers Surg Med* 17s: 84, 2005.

**Weiss RA**, Munavalli G, Bellew SG, Beasley KL. Comparison of endovenous saphenous vein obliteration techniques: 810nm vs. 1320nm vs. radiofrequency. *Lasers Surg Med* 17s: 102, 2005.

Munavalli G, Weiss MA, Beasley KL, **Weiss RA**. A novel pulse format for a 595nm pulsed dye laser to reduce purpura: Clinical results with facial and leg telangiectasia – video of technique. *Lasers Surg Med* 17s: 250, 2005.

**Weiss RA**, Weiss MA, Munavalli G, Beasley KL. 532nm Nd:Yag green for photorejuvenation: Video demonstration of green light 90 second photofacial. *Lasers Surg med* 17s: 251, 2005.

Bellew SG, Munavalli G, Weiss MA, Beasley KL, **Weiss RA**. A novel pulse format within a 595nm pulsed dye laser to reduce purpura: Clinical results with facial and leg telangiectasias. *Lasers Surg Med* 17s: 261, 2005.

**Weiss RA**, McDaniel DH, Geronemus RG, Weiss MA, Beasley KL, Munavalli GM, Bellew SG. Clinical experience with light emitting diode (LED) photomodulation. *Dermatol Surg.* 31s: 1199-205, 2005.

Bene NI, Weiss MA, Beasley KL, Munavalli G, **Weiss RA**. Comparison of histological features of 1550 nm fractional resurfacing and microlens array scattering of 1440 nm. *Lasers Surg Med.* 38s: 18, 2006.

Bene NI, Weiss MA, Beasley KL, Munavalli G, **Weiss RA**. Effects on small red vessels of variation of pulse duration with dual mode IPL filtration, *Lasers Surg. Med.* 38s: 20-21, 2006

McDaniel DH, Geronemus RG, Weiss MA, **Weiss RA**. LED photomodulation accelerates wound healing of acute skin injury. *Lasers Surg. Med.* 38s: 35, 2006.

**Weiss RA**, Munavalli G, Beasley KL, Weiss MA. Monopolar radiofrequency for skin tightening – changing parameters and clinical safety. American Society for Laser Medicine and Surgery. 38s: 63, 2006.

Bogle MA, Upelhoer N, **Weiss RA**, Mayoral F, Kaminer MS. Evaluation of the multiple pass, low fluence algorithm for radiofrequency tightening of the lower face. Lasers Surg. Med. 38s: 93, 2006.

**Weiss RA**, Bene N.I. Weiss MA, Beasley K.L. Prospective clinical trial of a fixed array novel 1540 fractional erbium laser for scars and rhytids. Lasers Surg Med 39s: 15, 2007.

**Weiss RA**, Weiss MA, Beasley K.L. Prospective clinical trial of a fixed spacing array computer scanned fractional Co2 laser for rhytids. Lasers Surg Med 39s: 16, 2007.

McDaniel DH, Geronemus RG, **Weiss RA**, Weiss MA. Led photomodulation for acne. Lasers Surg Med 39s: 27, 2007.

Munavalli Girish, **Weiss RA**. The novel use of dynamic, cryogen cooled, large spot pulsed light device for the treatment of non-facial photoaged skin. Lasers Surg Med 39s: 30, 2007.

Tanghetti Emil, **Weiss RA**. Multicenter study of microthermal laser treatment of acne scars. Lasers Surg Med, 39s: 33, 2007.

**Weiss RA**, Bene N.I, Weiss MA, Beasley KL. Long term clinical trial of 1440nm combined apex pulse array laser for treatment of scars and rhytides. Lasers Surg Med, 39s: 82, 2007.

Deland MM, **Weiss RA**, McDaniel DH, Geronemus RG. Treatment of radiation-induced dermatitis with light-emitting diode (LED) photomodulation. Lasers Surg Med. 39s: 164-8, 2007.

**Weiss RA**, Bene N.I. Weiss MA, Beasley K.L. Prospective clinical trial of a fixed array novel 1540 fractional erbium laser for scars and rhytids. Lasers Surg Med 46s:15, 2007.

Weiss RA, **Weiss MA**, Beasley K.L. Prospective clinical trial of a fixed spacing array computer scanned fractional Co2 laser for rhytids. Lasers Surg Med 49s:16, 2007.

Munavalli Girish, **Weiss RA**. Rapid acne regression using photopneumatic (PPX) therapy. Lasers Surg Med 68s: 22, 2007.

McDaniel DH, Geronemus RG, Weiss RA, **Weiss MA**. Led photomodulation for acne. Lasers Surg Med 82s: 27, 2007.

**Weiss RA, Weiss MA, Beasley KL.** Deep infrared light for skin tightening combined with 1540nm fractional resurfacing split face study. *Lasers Surg Med*, 01s: 37, 2008

**Weiss, RA, Weiss MA, Beasley KL.** Long term experience with fixed array 1540 fractional erbium laser for acne scars. *Lasers Surg Med*, 40s: 27, 2008.

**Weiss, RA, Weiss MA, Beasley KL.** Prospective split-face trial of a fixed spacing array computer scanned fractional CO2 laser vs. hand scanned 1550nm fractional for rhytides. *Lasers Surg Med*, 40s: 31, 2008.

**Weiss RA, Weiss MA, Beasley KL.** Deep infrared light for skin tightening combined with 1540nm fractional resurfacing split face study. *Lasers Surg Med*, 40s: 37, 2008.

**Weiss RA, Weiss MA, Beasley KL.** Laser Lipolysis: Skin contraction effect of 1320nm. *Lasers Surg Med*, 40s: 40, 2008.

**Weiss RA.** Laser lipolysis: Comparison of effects of 2 wavelengths: 1320nm vs 1064nm. *Lasers Surg Med*, 40s: 82, 2008.

**Weiss RA, Weiss MA, Beasley KL.** Split face clinical and histologic comparison of microarray lens diameters using fractional 1440nm combined apex pulse array laser for treatment of scars and rhytides. *Lasers Surg Med*, 40s: 85, 2008.

**Weiss, RA, Weiss MA, Beasley KL.** Long term experience with fixed array 1540 fractional erbium laser for acne scars. *Lasers Surg Med*, 68s: 27, 2008.

**Weiss RA, Weiss MA, Beasley KL.** Laser Lipolysis: Skin contraction effect of 1320nm. *Lasers Surg Med*, 109s: 40, 2008.

**Weiss RA, Weiss MA, Beasley KL.** Split face clinical and histologic comparison of microarray lens diameters using fractional 1440nm combined apex pulse array laser for treatment of scars and rhytides. *Lasers Surg Med*, 284s: 85, 2008.

**Weiss RA, Seckel B, Doherty S, Weiss MA, Beasley KL.** Enhanced tissue retraction with a novel lipid- and water-selective device for laser-assisted liposuction. *Lasers Surg Med*, 41s: 44, 2009

Dover J, Burns JA, Coleman Syd, Fitzpatrick R, Garden J, Goldberg D, Geronemus R, Kilmer S, Mayoral F, **Weiss R**, Zelickson B, Tanzi E. A Prospective Clinical Study of Noninvasive Cryolipolysis

for Subcutaneous Fat Layer Reduction-Interim Report of Available Subject Data. *Lasers Surg Med*, 41s: 45, 2009.

**Weiss RA**, Beasley K. Laser-assisted liposuction using a novel blend of lipid- and water-selective wavelengths. *Lasers Surg Med*. 41s: 760-6, 2009.**Weiss, RA**. Ten year experience with endovenous ablation: RF and laser. *International Angiology*. 28s: 59, 2009

**Weiss, RA**. Novel-temperature monitoring during laser assisted lipolysis. *Lasers Surg Med*, 42s: 15, 2010.

**Weiss, RA**, Michael Gold, Khalil Khatri, Kelley Hails, Nathalie Fournier, Multi-Center Study of Smoothshapes System for Reduction of Thigh Circumference, *Lasers Surg Med*, 42s: 19, 2010.

**Weiss, RA**, Long Term Experience with 924 nm for Laser Assisted Lipolysis, *Lasers Surg Med*, 42s: 21, 2010.

McDaniel DH, Mazur C, Wilson S, Geronemus RG, **Weiss RA**, Weiss MA. LED photomodulation I: effects of pulsed and continuous wave modes on procollagen products of human skin fibroblasts. *Lasers Surg Med*, 42s: 55, 2010

McDaniel DH, Mazur C, Wilson S, Geronemus RG, **Weiss RA**, Weiss MA. LED photomodulation II: effect of energy fluence on procollagen products of human skin fibroblasts. *Lasers Surg Med*, 42s: 55, 2010.

McDaniel DH, Mazur C, Wilson S, Geronemus RG, **Weiss RA**, Weiss MA. LED photomodulation III: effect of wavelengths and ratio of wavelengths of gene expressions in human skin fibroblasts. *Lasers Surg Med*, 42s: 57, 2010

McDaniel DH, Mazur C, Wilson S, Geronemus RG, **Weiss RA**, Weiss MA. LED photomodulation: effects of different wavelengths and delivery modes on selected human cell types in vitro. *Lasers Surg Med*, 42s: 59, 2010.

**Weiss, RA**, Fredic Brandt, Alex Cazzaniga, James Spencer, David Vasily, Mary Cerino, Brooke Seckel, Multi-Center Clinical Study of Combined In-Office/ At-Home Protocol of Total Facial Rejuvenation, *Lasers Surg Med*, 43s: 34, 2010.

**Weiss RA**, Angobaldo J, Doherty S, Seckel B. Comparison of laser-assisted lipolysis and liposuction: histology and split-body clinical results. *Lasers Surg Med*, 43s: 928, 2011.

Mayoral F, Kaminer M, Kilmer S, **Weiss RA**, Zelickson B. Effect of multiple cryolipolysis treatments on the abdomen. *Lasers Surg Med*, 44s: 32-33, 2012.

Weiss MA, **Weiss RA**, Beasley KL, Non-Ablative Fractional Technique with Micro-Compression Optics for Deep Heating and Remodeling of Surgical Scars: 2 Year Review. *Lasers Surg Med*, 45s: 3-4, 2013.

**Weiss RA**, Doherty S. Clinical Study of a Physician-Directed Home-Use Non-Ablative Fractional Device for Treatment of Pigmented Lesions. *Lasers Surg Med*, 45s: 11, 2013.

Beasley KL, **Weiss RA**, Weiss MA, Dynamic Monopolar RF Reduction of Arm Fat by Duplex Ultrasound Imaging and 3D Imaging, *Lasers Surg Med*, 45s: 20-21, 2013.

**Weiss RA**, Ross EV, Tanghetti EA, Vasily DB, Childs JJ, Smirnov MZ, Altshuler GB. Characterization of an optimized light source and comparison to pulsed dye laser for superficial and deep vessel clearance. *Lasers Surg Med*, 43s: 92-98, 2013.

**Weiss RA**, Geronemus RG, Weiss MA, Beasley KL. Operator Independent Focused High Frequency ISM Band for Fat Reduced: Porcine Model. *Lasers Surg Med*. 45s: 23, 2013

**Weiss RA**. Noninvasive Radio Frequency for Skin Tightening and Body Contouring. *Semin Cutan Med Surg*, 32s: 9-17, 2013.

**Weiss RA**, Weiss MA, Beasley KL, Combination IPL and Non-Ablative fractional micro -compression optics for skin rejuvenation. *Lasers Surg Med*, 46s: 8-9, 2014.

**Weiss RA**, Weiss MA, Beasley KL, Picosecond laser for reduction of wrinkles. *Lasers Surg Med*, 46s: 9-10, 2014

McDaniel D, **Weiss RA**, Weiss MA, Efficacy for sagging skin using a 90 watt dynamic monopolar radiofrequency device-clinical and histologic study. *Lasers Surg Med*, 46s: 14, 2014

**Weiss RA**, Furdeckaja E, Field array RF for reduction of abdominal fat: pilot study. *Lasers Surg Med*, 46s: 20, 2014.

**Weiss RA**, Weiss MA, Wheeler S, Eimpunth S, Long-term (13years) comparative outcomes of different endovenous thermal ablation systems on great and small saphenous vein insufficiency. *Lasers Surg Med*, 46s: 21-22, 2014

Morrison Nick, Gibson Kathleen, McEnroe Scott, Goldman Mitchell, King Ted, **Weiss Robert**, Cher Danie, Jones Andrew, Randomized trial comparing cyanoacrylate embolization and radiofrequency ablation for incompetent great saphenous veins (VeClose). *Journal of Vascular Surgery*, 11:71,2014

Beasley Karen, **Weiss Robert**, Radiofrequency in Cosmetic Dermatology. *Dermatol Clin*, 32 (1): 79-90, 2014.

**Weiss R**, Weiss M, Trageser M, Lorden F, Beasley K. Treatment of resistant tattoos with Picosecond Alexandrite laser. *Lasers Surg Med*. 47s:20, 2015.

Weiss M, **Weiss R**, Lorden F, Trageser M, Beasley K. Picosecond laser for reduction of wrinkles: long term results. *Lasers Surg Med*. 47s:24, 2015.

Kaminer MS, Coleman WP 3<sup>rd</sup>, **Weiss RA**, Robinson DM, colemanWP 4<sup>th</sup>, Hornfeldt C. Multicenter Pivotal study of vacuum-assisted precise tissue release for the treatment of cellulite. *Derm Surg*. 2015 Mar; 41(3): 336-47.

Ibrahimi OA, **Weiss RA**, Weiss MA, Halvorson CR, Mayoral F, Ross EV, Cohen JL. Treatment of Acne Scars with High Intensity Focused Radio Frequency. *JDrugs Dermatol*. 2015 Sep; 14(9):1065-8.

Fabi SG, GoldmanMP, Mills DC, Werschler WP, Green JB, Kaufman J, **Weiss RA**, Hornfeldt CS. Combining Microfocused Ultrasound with Botulinum toxin and Temporary and Sem-Permanent Dermal Fillers: Safety and Current Use. *Dermatol Surg*. 2016 May; 42 Suppl 2-S168-76.

**Weiss RA**, Moradi A, Bank D, Few J, Joseph J, Dover J, Lin X, Nogueira A, Mashburn J. Effectiveness and Safety of Large Gel Particle Hyaluronic Acid with Lidocaine for Correction of Midface Volume Deficit or Contour Deficiency. *Dermatol Surg*. 2016 Jun; 42(6) :699-709.

Waldman A, Arndt KA, Avram MM, Brown MR, Dover JS, Fabi SG, Friedman DP, Geronemus RG, Goldberg DJ, Godman MP, Green JB, Ibrahimi OA, Jones DH, Kilmer SL, McDaniel Dh, Obagi S, Ortiz AE, Rohrer TE, Taylor MB, Torres A, Weinkle SH, Weiss MA, Weiss ET, **Weiss RA**, Poon E, Alam M. ASDS Cosmetic Dermatologic Surgery Fellowship Milestones. *Dermatol Surg*. 2016 Oct; 42 (10): 1164-73.

Kaminer MD, Coleman WP 3<sup>rd</sup>, **Weiss RA**, Grossman J. Tissue Stabilized-Guided Subcision for the Treatment of Cellulite; A Multicenter Pivotal Study with two-Year Follow-up. *Dermatol Surg*. 2016 Oct; 42(10): 1213-6.

Coleman WP 3<sup>rd</sup>, Coleman W4<sup>th</sup>, **Weiss RA**, Kenkel JM, Ad-El DD, Amir R. A. Multicenter Controlled Study to Evaluate Multiple Treatments with Nonthermal Focused Ultrasound for Noninvasive Fat Reduction. *Dermatol Surg*. 2017 Jan;43(1):50-57.

**Weiss RA**, McDaniel DH, Weiss MA, Mahoney AM, Beasley KL, Halvorson CR. Safety and efficacy of a novel diffractive lens array using a picosecond 755nm alexandrite laser for the treatment of

wrinkles. Lasers Surg Med. 2016 Sep;29.



---

---

## OTHER BRIEF COMMUNICATIONS

---

---

**Weiss RA.** Dermatoses of Pregnancy, From the collections of Robert A. Weiss, MD, Johns Hopkins University School of Medicine; William A. Crutcher, MD, Napa, CA; Thomas J. Russell, MD, Medical College of Wisconsin; Margaret A. Weiss, MD, Johns Hopkins University School of Medicine 1997

**Weiss RA.** Morphologic Findings in Black Skin: From the collections of Robert A. Weiss, M.D, Johns Hopkins University School of Medicine; Kenneth J. Tomecki, M.D, Cleveland Clinic Foundation 1999

**Weiss RA.** Large Vein Foam Sclerotherapy video, Minimizing Complications of Treatment of Large Veins video, Ambulatory Phlebectomy video, Combined Annual Meeting, American Society for Dermatologic Surgery, American College of Mohs Micrographic Surgery and Cutaneous Oncology, 2001

---

---

## WEB BASED JOURNAL ARTICLES

---

---

Feied C, **Weiss RA**, Hashemiyoon RB. Venous Insufficiency. *eMedicine Dermatology*. 2004. <http://www.emedicine.com/derm/topic474.htm>

**Weiss RA**, Feied C, Weiss MA. Varicose Veins Treated with Radiofrequency Ablation Therapy. *eMedicine Dermatology*, 2004. <http://www.emedicine.com/derm/topic751.htm>

Munavalli GM, **Weiss RA**. Laser Treatment of Leg Veins. *eMedicine Dermatology*, 2004. <http://www.emedicine.com/derm/topic754.htm>

Feied C, **Weiss RA**, Hashemiyoon RB. Varicose Veins and Spider Veins. *eMedicine Dermatology*, 2004. <http://www.emedicine.com/derm/topic475.htm>

Feied C, Min R, **Weiss RA**, Hashemiyoon RB. Varicose Vein Treatment with Endovenous Laser Therapy. *eMedicine Dermatology*, 2005. <http://www.emedicine.com/derm/topic750.htm>

**Weiss RA**, Ramelet A.A. Varicose Veins Treated with Ambulatory Phlebectomy. *eMedicine Dermatology*, 2004. <http://www.emedicine.com/derm/topic748.htm>

---

---

## EXHIBITS AND POSTERS

---

---

**Weiss RA.** Nonablative Dynamic Cryogen Spray Cooled Laser Treatment of Facial Acne Scars, 20<sup>th</sup> Annual Meeting of the American Society for Laser Medicine and Surgery, Reno, NV. 2000

**Weiss RA.** Endovenous RF Occlusion for Saphenous Reflux and Varicose Veins: Two Year Experience, A Randomized Retrospective Study of Low Dose Safety and Efficacy of Sodium Tetradecyl Sulphate Injection in the Treatment of Telangiectasias and Reticular Veins, Short Term Histologic Effects of Non-Ablative Resurfacing: Results with a Dynamically Cooled Millisecond Domain 1320nm Nd: YAG Laser, Functional Anatomy: Understanding Doppler and Duplex Before Performing Ambulatory Phlebectomy or Endovenous Procedures, Facial Hair Removal in Type V and VI Skin with 1064nm Laser with Dynamic Cooling: One Year Results, Three Year Results with the Long Pulsed ND:YAG 1064nm Laser for Leg Telangiectasias, Facial Hair Removal in Type V and VI Skin with 1064nm Laser with Dynamic Cooling: One Year Results, Combined Annual Meeting, American Society for Dermatologic Surgery, American College of Mohs Micrographic Surgery and Cutaneous Oncology, Dallas, TX. 2001

---

---

## PUBLISHED MULTIMEDIA

---

---

**Weiss RA.** Cosmetic Procedures in Dermatologic Surgery I: From the collections of Robert A. Weiss, MD, and Margaret A. Weiss, MD, Johns Hopkins University School of Medicine; Mitchel P. Goldman, MD, UCSD Medical Center, San Diego; Harold Brody, MD, Emory University School of Medicine, Atlanta, GA; Eliot Battle, MD, Harvard Medical School, Boston, MA. Sold by American Academy of Dermatology as Teaching Materials, 1999

**Weiss RA.** Cosmetic Procedures in Dermatologic Surgery II: From the collections of Robert A. Weiss, MD, and Margaret A. Weiss, MD, Johns Hopkins University School of Medicine; Mitchel P. Goldman, MD, UCSD Medical Center, San Diego; Harold Brody, MD, Emory University School of Medicine, Atlanta, GA; Eliot Battle, MD, Harvard Medical School, Boston, MA. Sold by American Academy of Dermatology as Teaching Materials, 1999

**Weiss RA.** Cosmetic Procedures in Dermatologic Surgery III: From the collections of Robert A. Weiss, MD, and Margaret A. Weiss, MD, Johns Hopkins University School of Medicine; Mitchel P. Goldman, MD, UCSD Medical Center, San Diego; Harold Brody, MD, Emory University School of Medicine, Atlanta, GA; Eliot Battle, MD, Harvard Medical School, Boston, MA, Neil Sadick, MD, University of Cornell School of Medicine, New York City; Alastair Carruthers, MD, University of British Columbia, Vancouver, Sold by American Academy of Dermatology as Teaching Materials, 1999

**Weiss RA.** "Advances in Dermatologic Surgery Techniques – The Face" From the collections of Robert A. Weiss, MD, and Margaret A. Weiss, Baltimore, Maryland, Richard Glogau, MD, San Francisco, California, John Skouge, MD, Baltimore, Maryland, Alastair Carruthers, MD, Vancouver, British Columbia. Topics include: The Aging Face Laser Resurfacing CO2 Erbium Combination Erbium/CO<sub>2</sub> Microdermabrasion Botulinum Toxin Filler substances Fat Injection Collagen Injection. Sold by American Academy of Dermatology as Teaching Materials, 2000

**Weiss RA.** "Advances in Dermatologic Surgery Techniques – The Body" From the collections of Robert A. Weiss, MD, Baltimore, Maryland, Patrick Lillis, MD, Loveland, Colorado, Richard Scher, MD, New York, New York, Nowell Solish, MD, Toronto, Ontario, Canada, Walter Unger, MD, Toronto, Ontario, Canada. Topics include: Tumescant Liposuction Vein Treatment Sclerotherapy Ambulatory Phlebectomy Endovenous Radio Frequency Occlusion Botulinum Toxin for Axillary Hyperhidrosis Hair Transplant Dystrophic Nail Diagnosis. Sold by American Academy of Dermatology as Teaching Materials, 2000

**Weiss RA.** Intro to Doppler and Photoplethysmography (video), Sclerotherapy of the Reticular Veins (video), American College of Phlebology- San Francisco, CA Sold by American Academy of Dermatology as Teaching Materials, 2005

**Weiss RA.** Basics of Duplex Examination (Video), American Academy of Dermatology, San Francisco, CA. 2006

**Weiss RA.** Basics of Duplex Examination (Video), American Academy of Dermatology, Washington, DC. 2007

McDaniel DH, **Weiss RA**, Weiss MA. Picosecond Tattoo Laser for Photorejuvenation: Clinical and Laboratory Correlations, American Society for Dermatologic Surgery, San Diego, CA. 2014

---

---

## LOCAL ACADEMIC LECTURES

---

---

**Weiss RA.** Plastic Surgery Grand Rounds, Johns Hopkins University School of Medicine, Baltimore, MD. 1993

**Weiss RA.** Guest Speaker, Treatment of Superficial Fungal Infection, Novartis Pharmaceuticals, Charleston, SC. 1997

**Weiss RA.** Lasers and Intense Pulsed Light for Blood Vessels, Johns Hopkins Department of Dermatology, 2000

**Weiss RA.** Endovascular Occlusion of Saphenous Veins Using the VNUS Closure Catheter, Johns Hopkins Department of Vascular Surgery, Baltimore, MD. 2000

**Weiss RA.** Modern Concepts of Non-Ablative Skin Rejuvenation, Live Patient Laser Demonstration, 79<sup>th</sup> Annual Atlantic Dermatological Conference, Baltimore, MD. 2002

**Weiss RA.** "What's new in lasers"? Elsevier Baltimore Derm Conference-Baltimore, MD. 2005

**Weiss RA.** Advancing your injection techniques with hyaluronic acid dermal fillers. USF Health, Baltimore, MD. 2007

**Weiss RA.** Novel approach to treating cutaneous pigmentation and melanoma. Atlantic Dermatology Conference, Baltimore, MD. 2016

---

---

## NATIONAL ACADEMIC LECTURES

---

---

**Weiss RA.** Spontaneous regression of Kaposi's Sarcoma - American Academy of Dermatology, Atlanta, GA. 1981

**Weiss RA.** The use of monoclonal antibody to keratin in human epidermal disease - American Academy of Dermatology, San Francisco, CA. 1982

**Weiss RA.** The use of monoclonal antibody to keratin in human epidermal disease -American Federation for Clinical Research, 1982

**Weiss RA.** A 48kd and 56kd keratin as molecular markers of hyperproliferation: Monoclonal antibody analysis -Society for Investigative Derm, Washington, DC. 1983

**Weiss RA.** Induction of complement receptors on cultured human umbilical vein endothelial cells - Society for Investigative Derm, Washington, DC. 1984

**Weiss RA.** Induction of psoriasis-like keratin expression in tape-stripped epidermis -Society for Investigative Dermatology, Washington, DC. 1985

**Weiss RA.** Relief of pain in telangiectasias and varicosities by sclerotherapy - Second Annual Congress of the North American Society of Phlebology, New Orleans, LA. 1989

**Weiss RA.** A new atraumatic technique for the rapid removal of milia by alpha-hydroxy acids -World Congress on Chemical Peel, Dermabrasion and Liposuction sponsored by the American Academy of Cosmetic Surgery, Washington, DC. 1989

**Weiss RA.** Symptomatology of Varicose and Telangiectatic Leg Veins, 49<sup>th</sup> Annual Meeting, American Academy of Dermatology, Atlanta, GA. 1990

**Weiss RA.** Incidence of side effects in the treatment of telangiectasias by compression sclerotherapy: hypertonic saline vs. polidocanol, 6<sup>th</sup> Special Regional Symposium on the Modern Treatment of Varicose Veins, North American Society of Phlebology, Philadelphia, PA. 1990

**Weiss RA.** Introduction to Doppler and PPG, Microsclerotherapy, International Congress of the North American Society of Phlebology, Orlando, Fl. 1991

**Weiss RA.** Introduction to Doppler and PPG, Microsclerotherapy, Symposium of the North American Society of Phlebology, San Diego, CA. 1991

- Weiss RA.** Advanced Cutaneous Surgery Course, Sclerotherapy Symposium, American Academy of Dermatology, Dallas, TX. 1991
- Weiss RA.** Asst. Program Director, Treatment of Cosmetic Veins, International Congress of the North American Society of Phlebology, San Francisco, CA. 1991
- Weiss RA.** Sclerotherapy symposium, American Society for Dermatologic Surgery. Scottsdale, AZ. 1991
- Weiss RA.** World Congress of Union International de Phlebology, Montreal, Canada Pacific Dermatology Association, Palm Springs, CA. 1991
- Weiss RA.** Advances in sclerotherapy, Use of the Doppler, Epidemiology of varicose veins and their perception by physicians, Minimizing complications of sclerotherapy. American Academy of Dermatology, San Francisco, CA. 1991
- Weiss RA.** Initial patient evaluation, Introduction to Doppler and PPG, Microsclerotherapy Efficacy and side effects of 0.1% sodium tetradecyl sulfate in compression sclerotherapy of telangiectasias: Comparison to 1% polidocanol and hypertonic saline - Fourth Annual Congress of the North American Society of Phlebology, Baltimore, MD. 1991
- Weiss RA.** Complications of Sclerotherapy, Doppler Ultrasound Findings in Reticular Veins of the Thighs, The Fifth Annual Congress of The North American Society of Phlebology, San Francisco, CA. 1992
- Weiss RA.** Use of human saphenous vein as an in-vitro human model for studying the action of sclerosing solutions - 19th Annual Clinical and Scientific Meeting, American Society for Dermatologic Surgery, Advances in Sclerotherapy forum. Epidemiology of varicose veins and their perception by physicians. American Academy of Dermatology, Dallas, TX. 1992
- Weiss RA.** Director of Sclerotherapy Symposium, Advances in surgery Enhancing result of sclerotherapy by non-invasive diagnostic techniques: Doppler and Duplex ultrasound, Sclerotherapy of Varicose and Telangiectatic Leg Veins, American Academy of Dermatology, Washington, DC. 1993
- Weiss RA.** Sclerotherapy and Future Trends, 20<sup>th</sup> Annual Clinical and Scientific Meeting, American Society for Dermatologic Surgery, Charleston, SC. 1993
- Weiss RA.** Program Director, Phlebology Review, North American Society of Phlebology, Orlando, FL. 1993



**Weiss RA.** Lateral venous system sclerotherapy - the key to rapid resolution of thigh telangiectases - Sixth Annual Congress of the North American Society of Phlebology Enhancing Results of Sclerotherapy by Non-invasive diagnostic techniques: Doppler and Duplex ultrasound. American Academy of Dermatology, Washington, DC. 1993

**Weiss RA.** Sclerotherapy Forum, Abnormal photoplethysmography examination is not predicted by age - Seventh Annual Congress of the North American Society of Phlebology-Doppler ultrasound findings in reticular veins of the thigh subdermic lateral venous system an implications for sclerotherapy - 24th Annual Meeting of the American Society for Dermatologic Surgery, San Diego, CA. 1994

**Weiss RA.** Program Chairman, Phlebology Review, Congress of the North American Society of Phlebology, Maui, HI. 1994

**Weiss RA.** Director of Sclerotherapy Symposium, Basic Anatomy and Physiology for understanding Doppler, PPG and Duplex, American Academy of Dermatology, New Orleans, LA. 1994

**Weiss RA.** Advances in Wound Healing and Wound Management, The Use of Silon for Wound Care and Scar Management, International Medical Services, Maui, Hawaii, 1994

**Weiss RA.** Chairman, Venous Duplex Imaging, 6<sup>th</sup> Annual Meeting, American Venous Forum, Wailea, Maui, Hawaii, 1994

**Weiss RA.** Director of Sclerotherapy Symposium, Argon laser with robotic delivery system provides cost-efficient alternatives Comparison of wound dressings after dermabrasion and laser resurfacing: a new interpenetrating polymer network Sclerotherapy Treatment of Varicose and Telangiectatic Leg Veins, 25<sup>th</sup> Anniversary, American Society for Dermatologic Surgery, Hilton Head, NC. 1995

**Weiss RA.** Director of Sclerotherapy Symposium, American Academy of Dermatology, Washington, DC. 1995

**Weiss RA.** Program Committee: Techniques for Treating Varicose & Reticular Veins, Lecture & Video, Sclerotherapy & Surgery, Sclerotherapy vs Surgery Round Table Questions & Answers with the Experts, 8<sup>th</sup> Annual Congress, North American Society of Phlebology, Fort Lauderdale, FL. 1995

**Weiss RA.** Basic Anatomy and Physiology for Understanding Doppler, PPG and Duplex, AAD, New Orleans, LA. 1995

**Weiss RA.** Non-invasive diagnostic update: Doppler, D-PPG Duplex ultrasound (video). Surgical Complications forum. American Academy of Dermatology, Washington DC. 1996

**Weiss RA.** Program Chairman (ex-officio), Examination of the Venous System, Randomized comparative study of Cutinova foam and Allevyn with Jobst UlcerCare stockings for the treatment of venous stasis ulcers, Photothermal sclerosis of telangiectatic leg veins resistant to sclerotherapy using the Photoderm VL - 9th Annual Congress of the NASP, San Diego, CA. 1996

**Weiss RA.** Photothermal sclerosis of resistant telangiectatic leg and facial veins using the Photoderm VL - 16<sup>th</sup> Annual Meeting of the American Society for Laser Medicine and Surgery, Inc. Orlando, FL. 1996

**Weiss RA.** Director of Sclerotherapy Symposium, Ambulatory Phlebectomy, Improving Results of Sclerotherapy, Improving the results of sclerotherapy, Photothermal sclerosis of cosmetic facial telangiectasias resistant to argon and FLPDL laser using the Photoderm VL, Transillumination mapping prior to ambulatory phlebectomy, 23<sup>rd</sup> Annual Meeting of the American Society for Dermatologic Surgery, Palm Desert, CA. 1996

**Weiss RA.** Photothermal Sclerosis of Resistant Telangiectatic Leg and Facial Veins Using the Photoderm, 16<sup>th</sup> Annual Meeting, ASLMS. Lake Buena Vista, FL. 1996

**Weiss RA.** Symposium A: Treatment for Treating Reticular Veins: The Lateral Subdermal Complex-Lecture and Video, Duplex Ultrasound, Symposium B: PPG/ APG, Intense Pulsed Light (Photoderm<sup>TM</sup> PL) Treatment of Postsclerotherapy Hyperpigmentation: Preliminary Report, Treatment of Varicose Vein Disease, Modern Techniques for Treating Telangiectasias and Varicose Veins, Transillumination Mapping Prior to Ambulatory Phlebectomy, Symposium II: Photoderm VL & Sclerotherapy - A Combined Therapy, Scleroresistant Lesions, Ambulatory Phlebectomy, 10<sup>th</sup> Annual Congress of the North American Society of Phlebology, Washington, DC. 1996

**Weiss RA.** Symposium Director, Academy 96: Summer Session of American Academy of Dermatology, Orlando, FL. 1996

**Weiss RA.** Program Chairman, Sclerotherapy Techniques for Varicose and Reticular Veins, Sclerotherapy Symposium, North American Society of Phlebology, San Francisco, CA. 1996

**Weiss RA.** Sclerotherapy, Laser & Intense Pulsed Light, Ambulatory Phlebectomy, Program Committee, Congress of the North American Society of Phlebology, Palm Springs, CA. 1996

**Weiss RA.** Director of Sclerotherapy Symposium, Ambulatory Phlebectomy, American Society for Dermatologic Surgery, Boston, MA. 1996

**Weiss RA.** Symposium Director, Academy 97: Summer Session of American Academy of Dermatology, New York, NY. 1997

**Weiss RA.** Vein and Hair Removal by Intense Pulsed Light, American Society for Aesthetic Plastic Surgery, Boston, MA. 1997

**Weiss RA.** Annual Congress, Course on Ambulatory Phlebectomy, American Academy of Cosmetic Surgery New Orleans, LA. 1997

**Weiss RA.** Lasers and Pulsed Light for Facial Veins, International Symposium on Cosmetic Laser Surgery, Orlando, FL. 1997

**Weiss RA.** Annual Meeting, talks in Advanced Cosmetic Surgery Course, Treatment for Veins Symposium, Sclerotherapy Symposium, Assoc. of Surgical Faculty, American Academy of Dermatology, Orlando, FL. 1997

**Weiss RA.** Laser and Non-Coherent Pulsed Light Source Treatment of Leg Veins, 12<sup>th</sup> Special Regional Symposium of the Modern Treatment of Telangiectatic and Varicose Veins, North American Society of Phlebology, Chicago, IL. 1997

**Weiss RA.** Wound Management, Art & Science of Wound Management Symposium, sponsored by GBMC, Tucson, AZ. 1997

**Weiss RA.** "The Arrow Sign" to locate injection points into telangiectatic webs, Duplex guided sclerotherapy: Indications, technique, results. Transillumination to differentiate anatomy of spider veins, Scanned CO2 laser pearls for rapid healing of verrucae, Director of Sclerotherapy Symposium, American Academy of Dermatology, Summer, San Francisco, CA. 1997

**Weiss RA.** 11<sup>th</sup> Annual Congress of the North American Society of Phlebology, Palm Springs, CA. 1997

**Weiss RA.** Combination Intense Pulsed Light and Sclerotherapy Intense Pulsed Light - Longer Durations for Improved Results Ambulatory Phlebectomy, Treatment of Facial Telangiectasia Endovenous RF Shrinkage of Truncal Varicose Veins to Reduce Reflux, North American Society of Phlebology, Palm Desert, CA. 1997

**Weiss RA.** State of the art treatment for varicose and telangiectatic veins. A logical approach to leg telangiectasia; Sclerotherapy. American Academy of Dermatology. Orlando, FL. 1998

**Weiss RA.** Guest Speaker, Aesthetic Laser Technology Forum Laser Hair Removal Expert Panel "Long pulse durations for intense pulsed light in treatment of leg veins" "Periorbital skin resurfacing with Er: YAG laser" "Hair removal with intense pulsed light", 18<sup>th</sup> Annual Meeting of the American Society for Laser Medicine and Surgery, San Diego, CA. 1998

**Weiss RA.** "Leg veins: A comparison of old and new treatment options, Treatment of leg veins with sclerotherapy, ambulatory phlebectomy, laser and intense pulse light. AAD Summer, Chicago, IL. 1998

**Weiss RA.** Sclerotherapy Symposium Director, Ambulatory Phlebectomy Session "New laser for leg veins 1064nm" Long term follow-up for intense pulsed light hair removal" American Society for Dermatologic Surgery - 25th Annual Meeting, Portland, OR. 1998

**Weiss RA.** Laser Hair Removal Expert Panel, American Society for Aesthetic Plastic Surgery, Annual Meeting, Los Angeles, CA. 1998

**Weiss RA.** Guest Lecturer, Lasers, Vein Treatments, Georgia Society of Dermatology, Sea Island, GA. 1998

**Weiss RA.** Photoderm Treatment of Leg Veins, ES Hair Removal, Advanced Lasers and Innovations in Cosmetic Facial Surgery (Skin and Aging Journal), Laser for telangiectasias & hair removal, Dallas, TX. 1998

**Weiss RA.** Ambulatory Phlebology (All Levels), 14<sup>th</sup> Annual Scientific Meeting, American Academy of Cosmetic Surgery, New Orleans, LA. 1998

**Weiss RA.** Laser Treatment of Leg Veins, Skin and Aging Symposium of Journal of Skin & Aging, San Francisco, CA. 1998

**Weiss RA.** Guest Lecture of Laser Resurfacing, Laser hair removal and spider vein removal by laser and sclerotherapy, 23<sup>rd</sup> Annual Hawaii Dermatology Seminar, Maui, HI. 1999

**Weiss RA.** Fundamentals of Cosmetic Surgery, Treatment of Leg Veins, Association of Surgical Faculty, American Academy of Dermatology, Annual Meeting, New Orleans, LA. 1999

**Weiss RA.** "Initial Results with a new synchronized pulse 1064nm laser for large leg telangiectasia" "Intense pulsed light for hair removal at 1.5 years" "Histology of Erbium: YAG resurfacing" "Comparison of Erbium: YAG alone with Erbium: YAG plus defocused CO<sub>2</sub>" Epidermal Crystal Cooling Collar for Improved Results on Leg Veins with Intense Pulsed Light" Instructor Course on Laser Treatment of Leg Veins and Instructor Laser Hair removal, American Society for Laser Medicine and Surgery - 19<sup>th</sup> Annual Meeting, Orlando, FL. 1999

**Weiss RA.** Presentations on resurfacing lasers, hair removal, laser for vascular Guest Lectureship, Contemporary Treatment for Veins, Columbia University, New York, 1999

**Weiss RA.** Laser Resurfacing, Hair Removal and Vein Treatment Expert Panel, American Society for Aesthetic Plastic Surgery & the Aesthetic Surgery Education and Research Foundation, Annual Meeting, Dallas, TX. 1999

**Weiss RA.** Annual Clinical & Scientific Meeting, Laser Treatment of Leg Veins Epidermal Cooling Collar for IPL new device, New laser 1064nm for leg Veins, Erbium plus CO2 for resurfacing, Endoluminal RF occlusion for greater saphenous vein treatment, American Society for Dermatologic Surgery, Miami Beach, FL. 1999

**Weiss RA.** Large vein treatment techniques, Symposium on Non-ablative laser resurfacing, Update on new treatments for leg veins, Dermatology Update for American Academy of Dermatology, Summer Session, New York, NY. 1999

**Weiss RA.** Guest lecturer on Lasers for Leg Veins, Controversies in Cutaneous Laser Surgery (Harvard University Symposium), Napa Valley, CA. 1999

**Weiss RA.** Medium vessel sclerotherapy and ambulatory phlebectomy." "Panel Discussion: How I begin sclerotherapy." "1064nm long pulse Nd: YAG laser for reticular and spider veins." "Advances in treatment of leg veins forum." American Academy of Dermatology - New Orleans, LA. 1999

**Weiss RA.** Hair Remover Lasers, Sclerotherapy and Ambulatory Phlebectomy, 3<sup>rd</sup> Course in Minimally Invasive Aesthetic Surgery, University of California San Francisco CA. 1999

**Weiss RA.** Guest lecturer on Leg Vein Lasers, 3<sup>rd</sup> Pacific Vascular Symposium, Hawaii, 1999

**Weiss RA.** Laser and Intense Pulsed Light Treatment, Clinical Use of Radiofrequency Occlusion of Varicose Veins (VNUS Closure System), (video), Successful Treatment of Post-Sclerotherapy Resistant Matting Using A Dual Polarizing Light Device (DPL) for Microsclerotherapy, Controlled RF Endovenous Occlusion Using A Unique RF Catheter Under Duplex Guidance to Eliminate Saphenous Reflux, Addition of a Static Cooling Device to Synchronized Pulse 1064nm Laser Delivery Enhances Treatment of Leg Veins, Advanced Photothermal Treatment of Veins: Pearls and Pitfalls, 13<sup>th</sup> Annual Congress, American College of Phlebology, Scottsdale, AZ. 1999

**Weiss RA.** Grand Rounds, George Washington University School of Medicine 4<sup>th</sup> International Symposium on Aging Skin, Fort Lauderdale, FL. 2000

**Weiss RA.** Indications for Sclerotherapy and Lasers in Venous Disease, 12<sup>th</sup> Annual Meeting, American Venous Forum, Annual Congress American Academy of Dermatology, Phoenix, AZ. 2000

**Weiss RA.** Annual Meeting, Sclerotherapy, "Erbium: YAG/Co2 Laser, Medium Vessel Sclerotherapy and Ambulator phlebectomy, The Importance of Reticular Veins, State of the Art Elimination of

**Varicose and Telangiectatic Veins Focus session, Advances in Treatment of Leg Veins Forum, Phlebology, American Academy of Dermatology, San Francisco, CA. 2000**

**Weiss RA.** Instructor, Courses on laser treatment of vascular lesions, laser hair removal, American Society of Lasers in Medicine and Surgery, New York, NY. 2000

**Weiss RA.** Advanced Photothermal Treatment of Veins: Pearls and Pitfalls (instructor), Symposium #3: Laser and Light Treatment of Leg Veins: The Coolest and the Hottest, Regional Symposium American College of Phlebology, Delray Beach, FL. 2000

**Weiss RA.** IPL Photorejuvenation Non-invasive Rejuvenation, Surgace Resurfacing with 1320nm, Pulse Light and Microdermabrasion – What Can We Expect? Harvard Controversies and Conversations in cutaneous Laser Surgery, Woodstock, VT. 2000

**Weiss RA.** Combined Particle Resurfacing with Non-Ablative 1320nm Resurfacing for Acne Scars, Facial Hair Removal in Type V and VI Skin with 1064nm Laser Using Both Contact and Dynamic Cooling, Integrated Dynamically Cooled 1320nm for Non-Ablative Resurfacing in Peri-Orbital Rhytides, Annual Meeting, American Society for Dermatologic Surgery, Denver, CO. 2000

**Weiss RA.** Laser/Light Therapy, Advanced Photothermal Treatment of Veins: Pearls and Pitfalls, Lasers for Larger Violaceous Leg Veins, 14<sup>th</sup> Annual Congress, American College of Phlebology, Atlanta, GA. 2000

**Weiss RA.** Ambulatory Phlebectomy, Annual Congress, American College of Phlebology, Palm Springs, CA. 2001

**Weiss RA.** Long-Pulse 1064nm Nd: YAG Laser for Treatment of 0.4mm to 2mm Leg Telangiectasia Update 2001, The Closure RF Procedure vs Vein Stripping and Ligation Surgery: Update 2001, American Academy of Cosmetic Surgery, San Diego, CA. 2001

**Weiss RA.** Sclerotherapy: Long & Short Term Strategies Controversies, New Approaches to Treatment of Leg Veins: Long Term Strategies, She's Got Legs: Increasing Efficiency in Ambulatory Phlebectomy, Skin Resurfacing: The Art & Science, Varicose Veins, Digital Photography, 59<sup>th</sup> Annual Meeting, American Academy of Dermatology, Washington, DC. 2001

**Weiss RA.** Ambulatory Phlebology, 18 Regional Symposium on The Advanced Contemporary Evaluation and Treatment of Varicose and Telangiectatic Veins, Baltimore, MD. 2001

**Weiss RA.** Instructor, Long-Term Clinical Results at 4 Years Using Intense Pulsed Light for Treatment of Actinic Changes Including Poikiloderma, Telangiectasias and Blotchy Pigmentation,

Non-Ablative Laser Treatment: My Approach and Perspective, Endovascular Radiofrequency Occlusion of Refluxing Saphenous Veins, Courses on Vascular Lasers and Lasers for Hair Removal, 21<sup>st</sup> Annual Meeting, American Society for Lasers in Surgery and Medicine, New Orleans, LA. 2001

**Weiss RA.** Skin Care & Laser Update, Mastering Shape & Cosmetic Surgery-The Next Step, Annual Meeting, of ASAPS & ASERF, New York, NY. 2001

**Weiss RA.** Photo rejuvenation and Lasers, 16th Annual Dialogues in Cosmetic Dermatology, Orlando, FL. 2001

**Weiss RA.** Aging Skin, Live Patient Demonstrations & Surgeries, Photorejuvenation, Vascular Considerations: Multiple Techniques, Including Leg Veins, 5<sup>th</sup> Annual International Symposium, Coronado, CA. 2001

**Weiss RA.** Controversies and Conversations in Cutaneous Laser Surgery: Vail Valley, CO. 2001

**Weiss RA.** Newest Methods of Treatment of Venous Disease, New Developments in Lasers and Pulsed Light, Update on Treatment of Leg Veins, 20<sup>th</sup> Anniversary Fall Clinical Dermatology Conference, American Academy of Dermatology, Las Vegas, NV. 2001

**Weiss RA.** Dermatology Update 2001, American Academy of Dermatology, New York, 2001

**Weiss RA.** Duplex - Guided Sclerotherapy Anatomy and Doppler, Large Vein Foam Sclerotherapy, Complication of Larger Vein Sclerotherapy: How to minimize and Treat, Endovenous RF Occlusion (Closure) for Saphenous Reflux and Varicose Veins: 2 Year Experience, Annual Meeting, American Society for Dermatologic Surgery, Dallas, TX. 2001

**Weiss RA.** "Laser Therapy- patient selection; Allied Health Symposium, Laser/Light Therapy, Controlled RF Endovenous Occlusion using a Unique RF Catheter Under Duplex guidance to Eliminate Saphenous Reflux: Two Year follow up, Treatment of the lesser or short saphenous vein with RF Endovenous occlusion, Long Pulsed Dye Laser Treatment of Resistant Telangiectatic Matting of the Veins, Introduction to Doppler and Photoplethysmography, Sclerotherapy of the Reticular Veins, Transillumination in Ambulatory Phlebectomy, American College of Phlebology, La Quinta, CA. 2001

**Weiss RA.** "Newest methods of treatment of venous disease: The hottest and the coolest, New Approaches to treatment of leg veins: Long term strategies, Increasing Efficiency in Ambulatory Phlebectomy, Non-ablative resurfacing with intense pulsed light, Varicose Veins Focus session, Digital photography. American Academy of Dermatology, Washington, DC. 2001

**Weiss RA.** "Endovenous RF occlusion for saphenous reflux and varicose veins: Two year experience, A randomized retrospective study of low dose safety and efficacy of sodium tetradecyl sulphate injection in the treatment of telangiectasias and reticular veins, Ambulatory Phlebectomy, Functional anatomy: Understanding Doppler and duplex before performing ambulatory phlebectomy or endovenous procedures, Large vein foam sclerotherapy, Minimizing complications of treatment of large veins, New Parameters for IPL photorejuvenation with a thermoelectrically chilled crystal, Short term histologic effects of non-ablative resurfacing: Results with a dynamically cooled millisecond domain 1320 nm Nd: yag laser, Endovenous radiofrequency ablation and laser ablation of veins, Facial Hair removal in Type V and VI skin with 1054nm laser with dynamic cooling: One year results, Three year results with long pulsed ND: yag 1064nm laser for leg telangiectasias. ASDS/ACMMSCO, Dallas, TX. 2001

**Weiss RA.** "Venous Pearls; Advances in Venous Disease; Enhanced Imaging Tools to Assist treatment; Tricks for Increasing Satisfaction of the Cosmetic Leg Vein Patient; Non-ablative rejuvenation with an Infrared Light Source". American Society for Dermatologic Surgery, Chicago, IL. 2002

**Weiss RA.** "Laser and light therapy; Laser and Intense Pulsed light source; Endovenous Closure; Endovenous procedures- Laser and RF ablation". American College of Phlebology, Ft. Lauderdale, FL. 2002

**Weiss RA.** "Sclerotherapy; Botulinum Toxin; Advanced Cosmetic Surgery; Aging Skin; Cosmetic Surgery; Fundamentals of Cosmetic Surgery; Treatment of Leg Veins, Digital Endovenous Radiofrequency Closure vs. Laser for Varicose Veins, Photography, Non-Ablative Rejuvenation: Facts & Fantasy: Advances in the Treatment Leg Veins, Medium Vessel Sclerotherapy and Ambulatory Phlebectomy, American Academy of Dermatology, New Orleans, LA. 2002

**Weiss RA.** Laser and Light Source Hair Removal Expert Panel, Light-Tissue Interactions I: Photothermolysis vs Photomodulation- Laboratory Findings, Light-Tissue Interactions II: Photothermolysis vs Photomodulation- Clinical Applications, Dynamically Cooled Millisecond Domain 1064nm Nd:YAG Laser Hair Removal in Skin Types IV-VI, Ablative and Non-Ablative Skin Rejuvenation Expert Panel, Comparison of Endovenous Radiofrequency Versus 810nm Diode Laser Occlusion of Large Veins in an Animal Model, American Society of Lasers in Surgery and Medicine, Atlanta, GA. 2002

**Weiss RA.** Annual Meeting, American Society for Aesthetic Plastic Surgery, Las Vegas, NV. 2002

**Weiss RA.** Live Patient Workshop on Non-Ablative Lasers and Botox, Atlantic Dermatology Conference, Cosmetic Symposium, 2002



**Weiss RA.** Weiss, RA. Endovenous Ablation: Radiofrequency vs Lasers: What is the evidence?, Medium and Large Vessel Sclerotherapy, RF Occlusion (Closure) at 3 years: Baltimore Experience, The revolution in Vein Treatments in Dermatology: Radiofrequencies, Foams and Fiber Optics, Henry Ford Hospital, Invited Physician, Detroit, MI. 2002

**Weiss RA.** Weiss, RA. Leg Veins, Sclerotherapy vs Intense Pulse Light & 1064nm Lasers, Sixth International Symposium on Aging Skin, Chicago, IL. 2002

**Weiss RA.** Guest Speaker, update on treatment of venous disease, Pennsylvania Academy of Dermatology, Hershey, PA. 2002

**Weiss RA.** Annual Meeting, Endovenous RF Occlusion for Treatment of Saphenous Reflux and Associated Varicose Veins: Three Year Experience, Comparison of Continuous Endovenous Radiofrequency Energy vs. Pulsed and Continuous 810nm Diode Laser in Clinical and Animal Models, Photothermolysis vs Photomodulation-Effects on Collagen Synthesis, American Society for Dermatologic Surgery, Chicago, IL. 2002

**Weiss RA.** Endovenous procedures and foam sclerotherapy, American College of Phlebology, Annual Congress, Ft. Lauderdale, FL. 2002

**Weiss RA.** New Techniques for Leg Veins from Lasers to RF, Non-Ablative Lasers: Combinations for Success, General Session: Hair Removal and Leg Vein Therapy, General Session: Non-Ablative and Ablative Skin Rejuvenation, 11<sup>th</sup> International Symposium on Cosmetic Laser Surgery, New York, New York, 2002

**Weiss RA.** Management and Treatment of Varicose and Spider Veins, Faculty, A Woman's Journey, Johns Hopkins Medicine, Baltimore, MD. 2003

**Weiss RA.** Visiting Professor Lecture, Advances in Vein Treatment and Modern Concepts in Non-Ablative Photorejuvenation, invited by Chairman, Dr. David Leffell, Yale University, New Haven, Connecticut, 2003

**Weiss RA.** Advances in Venous Disease, Leg Veins: Sclerotherapy, Ambulatory Phlebectomy and Endovenous Techniques-Part One, Radiofrequency Closure (video), Endovascular Laser vs. Radiofrequency Closure, Radiofrequency (Thermacool 10) Mediated Skin Contraction of the Lower Face: Study of 121 Patients, LED Photomodulation Reverses Acute UV Induced Matrix Enzyme Expression, Digital Technology in Dermatologic Surgery, Pearls and Other Shiny Objects: How to Your PowerPoint Improve Your PowerPoint Skills, Endovenous Ablation, Non-Ablative LED Skin Rejuvenation-A Multicenter Photoaging Trial, Non-Ablative, Non-thermal Light Emitting Diode (LED) Phototherapy of Photoaged Skin, New Pulsed Cooling Algorithms With 1320nm for Increased

Comfort and Improved Treatment of Wrinkles, Comparative Analysis of Endovenous Occlusion Techniques: Radiofrequency, 81nm Diode Laser and 1320 nm, ASDS-ACMMSO, New Orleans, LA. 2003

**Weiss RA.** Skin and Aging Meeting, Vascular Leg Vein Treatments, Miami, FL. 2003

**Weiss RA.** "Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions Workshop; Lasers and Light for Anti-Aging: The Science Versus multiple Wavelength Conundrum; Non-ablative, non-thermal LED Photomodulation - A multicenter clinical photoaging trial; Non-ablative LED photomodulation- light activated fibroblast stimulation clinical trial; Comparison of non-ablative fibroblast photoactivation with and without application of topical cosmeceutical agents; Results of non-ablative skin rejuvenation with an intense pulsed light source, A multi-center; Dermal response to a novel non-ablative scanned 1319nm laser with controlled skin temperature and variable pulse duration; Laser and light source treatment of vascular lesions expert panel; Monopolar radiofrequency mediated skin contraction of the lower face: Study of 35 patients". 23<sup>rd</sup> Annual Meeting of the American Society for Laser Medicine and Surgery, Anaheim, CA. 2003

**Weiss RA.** Endovenous Techniques: "How I do it videos", Sclerotherapy of other body sites, Ambulatory Phlebectomy, Leg Veins, The Quiet Revolution. 61<sup>st</sup> Annual Meeting, American Academy of Dermatology, San Francisco, CA. 2003

**Weiss RA.** Non-Ablative Skin Rejuvenation: Update 2003, New Developments and Review of Non-Ablative Technology and Practice: IPL, LED and Lasers, 22<sup>nd</sup> Fall Clinical Dermatology Conference Las Vegas, NV. 2003

**Weiss RA.** 1320nm endovenous laser with a 280 micro fiber: A substitute for phlebotomy? Foam sclerotherapy. Union Internationale De Phlebologie, World Congress, San Diego, CA. 2003

**Weiss RA.** Laser Treatment of Vascular Lesions Including Leg Veins Course, Leg Vein Expert Panel, Treatment of Post-sclerotherapy Hyperpigmentation with a Novel Q-Switched combination 532/1064nm: Nd: Yag laser, Correlation of 1064nm Nd: Yag Treatment of Leg Veins with Digital Microscopy, Patient preference evaluation of thermage standard treatment tip against reduced cycle time treatment tip, Non-ablative, non thermal light emitting diode phototherapy of photoaged skin. 24<sup>th</sup> Annual Meeting of the American Society for Laser Medicine and Surgery, Dallas, TX. 2004

**Weiss RA.** Surgical Pearls, Cutaneous Tumors; Cosmetic Surgery; Advanced Lasers; Aging Skin; Leg Veins; Sclerotherapy. Advanced Lasers; Leg Veins, Treatment Algorithms for Use of Non-Ablative Lasers & Light Sources for Photoaging, Cosmetic Surgery; Endovenous Techniques for Incompetent Venous Disease, 62<sup>nd</sup> Annual Meeting, Aging Skin Symposium Director, American Academy of Dermatology, Washington, DC. 2004

**Weiss RA.** Vein Treatment, Sclerotherapy, Advances in Endovascular Techniques To Treat Varicose Veins, ASDS-ACMMSCO, Combine Annual Meeting, San Diego, CA. 2004

**Weiss RA.** Weiss, RA. Endovenous Ablation: The Good, the Bad and the Ugly, New Vein and Rejuvenation Techniques, South Beach Symposium, Florida Society of Dermatology and Dermatologic Surgery, Miami, FL. 2004

**Weiss RA.** Visiting Professor Lectureship and guest speaker Ohio Dermatologic Association, University of Cincinnati College of Medicine, invited by Chairman Dr. Diya Mutassem, Cincinnati, OH. 2004

**Weiss RA.** Non-Ablative Skin Rejuvenation with Gentle Waves LED Photomodulation, Laser and Device Based Treatment of Leg Veins, Lumenis One Progress Report, American Academy of Dermatology, New York, NY. 2004

**Weiss RA.** Making 50 the new 40 with Fraxel Laser Treatment, Guest lecturer, Reliant Technologies, Inc. Washington, DC. 2005

**Weiss RA.** Liposuction, Lipofilling and Liposhifting, presented by American Academy of Cosmetic Surgery, Washington, DC. 2005

**Weiss RA.** "Acute UV induced Matrix enzyme expression reversed by 590nm LED photomodulation." "Common patterns of venous disease: Important Anatomy". "Basics of Doppler examination." "Large Veins: Role of ambulatory phlebectomy and endovenous techniques." "Led devices: Will they become over-the-counter?" "Radiofrequency versus 1320nm for saphenous vein reflux: Which makes more sense?" "Aging skin: A dermatologic disorder." "Photodynamic therapy is skin cancer." "Leg veins." 63<sup>rd</sup> Annual Meeting American Academy of Dermatology - New Orleans, LA. 2005

**Weiss RA.** Emerging Technologies in Lasers in Plastic Surgery and Dermatology, Laser treatment of vascular lesions including leg veins, "Laser treatment of vascular lesions including leg veins- course." "Skin rejuvenation-course." "Emerging technologies in Lasers in Plastic Surgery and Dermatology-Workshop." "Intense pulsed light vs. 10mm spot 532 KTP green for photorejuvenation: A split face comparison pilot study." "Led photomodulation reverses acute UV induced matrix enzyme expression." Led photomodulation induced hair growth stimulation." "Photorejuvenation expert panel." "A novel pulse format for 595nm pulsed dye laser to reduce purpura: clinical results with facial and leg telangiectasia - video of technique." "532nm Nd:Yag green for photorejuvenation: video demonstration of green light 90 second photofacial." "Comparison of Endovenous saphenous vein obliteration techniques: 810nm vs. 1320 nm vs. radiofrequency." American Society for Laser Medicine and Surgery- Lake Buena Vista, Florida, 2005

**Weiss RA.** "Advances in Lasers in Dermatology". "Workshops- Session III (Photodynamic Therapy in the Clinical Setting)". "New approaches in Vein Therapy". 24<sup>th</sup> Fall Clinical Derm- Las Vegas, NV. 2005

**Weiss RA.** "The Aesthetic Leg". "Off the Face Rejuvenation Lecture on PDT". "Photodynamic Therapy in Non-facial regions". "Endovenous Occlusion Techniques". Recognizing UVA Photodamage, American Society for Dermatologic Surgery - Atlanta, GA. 2005

**Weiss RA.** "Instructional Course- Treatment other than legs". "Interactive Session Lasers". 19<sup>th</sup> Annual Congress, American College of Phlebology- San Francisco, CA. 2005

**Weiss RA.** What's new in lasers, Advanced Fillers update & Demonstration. East Coast Dermatology Seminar- Baltimore, MD. 21205

**Weiss RA.** "Point: Exciting LED Innovations". "Leg Veins". "Common Patters of Venous Disease: Important Anatomy". "Photodynamic Therapy in the tx of AK and skin cancer". "Foam sclerotherapy: Present and Future". "Large Veins: Role of AP and Endovenous Techniques". "Micro lens Array Delivery of Infrared Laser for Scars and Wrinkles". "Latest Techniques for Endovenous Laser Surgery". "What lasers do I need for a cosmetic derm practice". "Micro-Ablative, Fractional and Macro Ablative Resurfacing". American Academy of Dermatology- San Francisco, California, 2006

**Weiss RA.** "Skin Rejuvenation- my approach". "Endovenous". "Laser treatment of vascular lesions including leg veins (panel discussion)". "Emerging Technologies Dermatoplastic Surgery". "Effects on small red vessels of variation of pulse duration with dual mode IPL filtration". "Endovenous Ablation Expert Panel", Director, "Comparison of Histological features of 1550nm fractional resurfacing and micro lens array scattering of 1440nm". "Pilot Study of fractional infrared light for skin tightening". Prospective clinical trial of 1440 nm laser delivered by micro array lenses for tx of scars and rhytids". "Evaluation of the multiple pass, low fluence algorithm for radiofrequency tightening of the lower face". "LED photomodulation accelerates wound healing of acute skin injury". ASLMS, Boston, MA. 2006

**Weiss RA.** "Long term experience with 1320nm endovenous ablation. ACP, Ponte Vedra Beach, FL. 2006

**Weiss, RA.** Laser Assisted Lipolysis, Smoothshapes 2009, Radiofrequency: technique Enhancements to Improve Results and Predictability, Toning Tightening, Ultrashape 2009, Florida Society of Dermatology and Dermatologic Surgery, South Beach Symposium, Miami, FL. 2006

**Weiss RA.** Allergan Aesthetic Leadership Program, 2006

**Weiss RA.** Advances in Photoprotection & Photoaging, Intense Pulse Light & Lasers for Facial Rejuvenation, American Academy of Dermatology, San Diego, CA. 2006

**Weiss RA.** New Fractional Skin Resurfacing Technology, The Perfect Leg, A Novel 1440 nm Delivered by Microarray Lenses for Treatment of Scars and Rhytides: Prospective Clinical Trial, The Novel Use of a Dynamic Cooled, Large Spot Pulsed Light Device for the Treatment of Nonfacial Photoaged Skin, American Society for Dermatologic Surgery, Palm Desert, CA. 2006

**Weiss RA.** Non traditional acne treatments: Lasers, lights and PDT: Why don't they work better, Controversies and Conversations in Laser and Cosmetic Surgery, Carlsbad, CA. 2006

**Weiss RA.** Led Photomodulation for Acne, The Novel Use of a Dynamic, Cryogen Cooled, Large Spot Pulsed Light Device for the Treatment of Non-Facial Photoaged Skin, Multicenter Study of Microthermal Laser Treatment of Acne Scars, Rapid Acne Regression Using Photopneumatic (PPX) Therapy, Prospective Clinical Trial of a Fixed Array Novel 1540 Fractional Erbium Laser for Scars and Rhytides, Long Term Clinical Trial of 1440nm Combined Apex Pulse Array Laser for Treatment of Scars and Rhytides, American Society for Laser Medicine and Surgery, Grapevine, TX. 2007

**Weiss RA.** Treatment and Scaring; How Do all the New Technologies Stack Up, PPX and Pneumatic Skin Flattening, Why all the Excitement Suction, Controversies and Conversations in Laser and Cosmetic Surgery and Advance Symposium, Lake George, NY. 2007

**Weiss RA.** Endovenous Treatment: The Replacement for Vein Stripping, Nonfacial Fractionated Resurfacing and Tissue Tightening, Laser Assisted Liposuction and Laser Lipolysis, Pre-treatment with Deeper Dermal Infrared Improves Clinical Results with Fractional Resurfacing. American Society for Dermatologic Surgery, Chicago, IL. 2007

**Weiss RA.** Laser Pearls; Director, Common patterns of venous disease: Important Anatomy, Foam sclerotherapy: Present and Future, Large veins: Role of ambulatory phlebectomy and endovenous techniques, Micro-ablative, fractional and macro-ablative resurfacing, Laser pearls forum, Looking at wrinkles: Combining procedures, Light emitting diode: Assessing the evidence, Endovenous lasers, It's not madness for reticular veins, The Key to Happiness in Treating Leg Telangiectasia; Fractional Resurfacing Made Whole: Trick to Enhance Results; Foaming at the Mouth of a Syringe: It's not Madness for Reticular Veins, Improving facial telangiectasias and background erythema. 65<sup>th</sup> Annual Meeting, American Academy of Dermatology, Washington, DC. 2007

**Weiss RA.** Laser Lipolysis: Skin Contraction Effect of 1320nm, Cutaneous Laser Surgery Session, Skin Rejuvenation Course: Non-Ablative Fractional Resurfacing, ASLMS, Kissimmee, FL. 2008

**Weiss RA.** Laser Assisted Lipolysis, Slim Lipo versus Smart Lipo, American Society of Cosmetic Dermatology and Aesthetic Surgery, Las Vegas, NV. 2008

**Weiss RA.** Master Class: Laser and Light Based Technologies (moderator), Off Leg Pearls - Expanding Your Horizons - Treatment of Scalp, Periorbital,, Chest and Hand Veins, Compare Fractionated Ablative Lasers: What Does the Data Show? American Society for Dermatologic Surgery, Annual Meeting, Orlando, FL. 2008

**Weiss RA.** Endovenous Lasers, Fractional Technology for Skin Rejuvenation, Lasers Pearls: Why I Use Fractional Resurfacing Fractional with Non-Fraxel Devices, American Academy of Dermatology, San Antonio, TX. 2008

**Weiss RA.** Joint Annual Meeting, A Multicenter Clinical Study of a Novel Laser System Utilizing Two Wavelengths and Mechanical Manipulation for Circumferential Thigh Reduction, Why We Need Industry and How We Can Work Together, Best of Our Literature - Dermatologic Surgery, How Endovenous Techniques Have Changed My Practice, Laser-assisted Liposuction, Ablative Fractional Laser Resurfacing and Discussion, Visible Cosmetic Improvement with Cryolipolysis: Photographic Evidence, ASDS & ASCDAS, Phoenix, AZ. 2009

**Weiss RA.** "Laser assisted lipolysis". Orlando Derm Aesthetic and Clinical Conference, Orlando, FL. 2009

**Weiss RA.** 7<sup>th</sup> Annual, Advanced Technique Live Patient Workshop Advanced Laser, Light, Radio Frequency Workshop on New and Updated Devices, South Beach Symposium, Miami, Florida, 2009

**Weiss RA.** "Resurfacing and contouring: Combining the concepts". "Lasers and light sources Treatments for Leg Veins". "Invasive Laser Lipolysis". "Enhanced Tissue retraction with a novel lipid and water selective device for laser assisted liposuction". Examining the Science of Laser Body Sculpting, Invasive Laser Lipolysis, Lasers and Light Source for Leg Veins, American Society for Laser Medicine and Surgery, Washington, DC. 2009

**Weiss RA.** "Laser Assisted Liposuction", "Combining procedures: Botulinum Toxin and Laser". Sclerotherapy". "Laser Pearls". American Academy of Dermatology. San Francisco, CA. 2009

**Weiss RA.** "The real deal regarding topical Botulinum Toxin, Radiofrequency laser, Lasers for Lipolysis, Biophysical basics of selective fat cell destruction using focused, controlled depth ultrasound energy, Ultrasound based approach to dermal and subcutaneous tissue imaging for assessment of aesthetic surgery applications. ASDS/ASCDAS, Chicago, IL. 2010

**Weiss RA.** How Endovenous Techniques have changed my Practice of Phlebology, Sclerotherapy and Endovenous Laser, Fractional Technologies Workshop: Fractional Radiofrequency, Laser Lipolysis, Laser & Aesthetic Skin Therapy, Boston, MA. 2010

**Weiss RA.** Skin Tightening: Outside In or Inside Out; Non Surgical vs Surgical? Controversies and Conversations in Laser and Cosmetic Surgery, An Advanced Symposium, Carlsbad, CA. 2010

**Weiss RA.** “Multi-center study of smoothshapes system for reduction of thigh circumference, Long term experience with 924nm for laser assisted lipolysis, LED photomodulation I: Effects of pulsed and continuous wave modes on procollagen products of human skin fibroblasts, LED photomodulation II: Effect of energy fluence on procollagen products of human skin fibroblasts, LED photomodulation III, Effect of wavelengths and ratio of wavelengths on gene expression in human skin fibroblasts, Multicenter, clinical study of combined in office/ at home protocol for total facial rejuvenation, LED photomodulation: Effects of different wavelengths and delivery modes on selected human cell types in vitro. ASLMS, Phoenix, AZ. 2010

**Weiss RA.** Sclerotherapy, 68<sup>th</sup> Annual Meeting, American Academy of Dermatology, Miami Beach, FL. 2010

**Weiss RA.** Fat, Cellulite: Laser, Cooling, Ultrasound, Radiofrequency, and Mesotherapy, Sclerotherapy and Endovenous Laser, Laser & Aesthetic Skin Therapy, Boston, MA. 2011

**Weiss RA.** “Resurfacing and Contouring: Update non-invasive facial and body shaping, Treatment of leg telangiectases, Laser Lipolysis, Optimized spectral output and pulse shapes for vascular treatments. 31<sup>st</sup> ASLMS Annual Conference, Grapevine, TX. 2011

**Weiss RA.** Live Patient Demonstrations: Application of Our Aesthetic Toolbox for the Treatment of Medical and Dermatologic Disorders, Sclerotherapy; The Old Gray’s Anatomy Ain’t What I Used to Be, But There’s Still Some Things You Should Know, Nothing Compares to Watching Video of How to Perform Sclerotherapy, Only Detergent Solutions Can Foam: How This Technique is Changing Vein Treatments, What About Those Ugly Chest and Hand Veins: Non-Leg Sclerotherapy, Advanced Cosmetic Surgery and Aesthetics, Advanced Techniques in Leg Vein Therapy. American Academy of Dermatology, 69<sup>th</sup> Annual Meeting. New Orleans, LA. 2011

**Weiss RA.** Laser Lipolysis, What Does This Add to Traditional Liposuction? Social Media in the Dermatologic Surgery Practice, Patient Demonstrations: Advanced Sclerotherapy and Other Vein Treatments. American Society for Dermatologic Surgery, Washington, DC. 2011

**Weiss RA.** Advanced Technique Live Patient Workshop Advanced Laser, Light, Radio Frequency Workshop on New and Updated Devices. South Beach Symposium, Jacksonville, FL. 2011

**Weiss RA.** Sclerotherapy, What's New and What's True in Lasers, Invasive Laser-Assisted Fat Removal. American Academy of Dermatology, San Diego, CA. 2012

**Weiss RA.** Leg Vein Therapy: What You Need to Know in Your Practice Setting, Practical Approaches To Patient Management, *Fall Clinical Dermatology Conference*, Las Vegas, NV. 2012

**Weiss RA.** Sclerotherapy and Endovenous Laser, Challenging Questions Cases from the Audience, Question and Discussions, American Dermatology Association, Washington, DC. 2012

**Weiss RA.** Non-Invasive Body Contouring-My Approach, Treatment of Leg Veins, Devices for Body Contouring, Laser Lipo Assisted Complications, Real-Time Melanin Measurements to Optimize Treatment Settings and Avoid Complications, Laser Medicine: Complacency is never a Strategy, Dual-Pulse Treatment of Vascular Lesions with an Optimized Pulsed-Light Device, Endovenous Laser Ablation Expert Panel – Sun C, Effect of Multiple Cryolipolysis Treatments on the Abdomen Overview of Radiofrequency and Ultrasound Treatment of Non-Invasive Fat Removal, Getting to the Bottom of Fractional Skin Rejuvenation: Optical Compression. American Society of Lasers in Surgery and Medicine, Kissimme, FL. 2012

**Weiss RA.** Managing Social Media: Your Online Reputation, Don't Operate in Vain: Avoidance and Management of Sclerotherapy and Other Vein Treatment Complications, Hands-on Mini-workshop: Fillers and Neuromodulators Master Class: A Practicum. American Society for Dermatologic Surgery, Atlanta, GA. 2012

**Weiss RA.** Mastery of Lasers for Optimal Patients Results, Faculty Advisor Demonstration, American Society for Dermatologic Surgery, Washington, DC. 2012

**Weiss RA.** Fat, Cellulite: Laser, Cooling, Ultrasound, Radiofrequency, and Mesotherapy, Sclerotherapy and Endovenous Laser, Laser & Aesthetic Skin Therapy, Seventh Annual Meeting, Boston, MA. 2012

**Weiss RA.** Sclerotherapy Course: Venous Anatomy You Must know, Q & A, Devices: Economic Considerations, Questions and Answers Panel Discussion, American Academy of Dermatology, Miami Beach, FL. 2013

**Weiss RA.** Removing Fat with Devices: Is There Any Science? Clinical Study of a Physician-Directed Home-Use Non-Ablative Fractional Device for Treatment of Pigmented Lesions, Operator



Independent Focused High Frequency ISM Band for Fat Reduction: Porcine Model. Endovenous Laser Ablation Expert Panel, Facial Rejuvenation, Treatment of Leg Veins, Devices for Body Contouring Cellulite, Non-Invasive Fat Removal Complications, Fractional Rejuvenation, Non-Invasive Body Contouring-My Approach, Dynamic Monopolar RF Reduction of Arm Fat by Duplex Ultrasound Imaging and 3D Imaging, Controversies in Laser Energy Devices, American Society of Lasers in Surgery and Medicine, Boston, MA. 2013

**Weiss RA.** Innovations in Toning and Tightening, Innovations in Body Sculpting, Dermatology Mini MBA: Symposium II, The Economics of a Cosmetic Practice, Tips and Panel Discussion, Advanced Techniques Live Patient Workshop Devices in Aesthetics, Treatment of Leg veins, Sclerotherapy Techniques Live Patient Treatments, South Beach Symposium . Miami Beach, FL. 2013

**Weiss RA.** Beyond Skin Deep Meeting; My Approach to Teaching Leg Veins. 2<sup>nd</sup> Mastering Advances in Dermatology, Carey, NC. 2013

**Weiss RA.** Incorporating Melanin Measurement in Your Practice, Optimizing non ablative, ablative, and combination fractional treatments, New Strategies for Photo Rejuvenation, Palomar Symposium, Boca Raton, FL. 2013

**Weiss RA.** Incorporating Cosmetic Phlebology (Leg Spider Vein) into your Practice, New Strategies for Rejuvenation the Neck and Chest, Clinical Benefits of Mono-Polo RF, Autologous Fibroblast Injection – Update on Clinical Experience, Multi-Specialty Aesthetic Conference, The 9<sup>th</sup> Annual Vegas Cosmetic Surgery & Aesthetic Dermatology, Las Vegas, NV. 2013

**Weiss RA.** Treatment of Reticular Vein: What is the Evidence, XVII World Meeting, Internatinal Union De Phlebologie World Congress, Boston, MA. 2013

**Weiss, RA.** Aesthetic Safe Training for Safe & Effective Outcomes with Facial Injectables, Global Education Group, Los Angeles, CA. 2013

**Weiss RA.** Skin Tightening: Impressed Yet? Practice Pearls: Office Nuts and Bolts, recipes for Success East Coast Marketing the Business of Aesthetics, American Society for Dermatologic Surgery, Chicago, IL. 2013

**Weiss RA.** Advanced Sclerotherapy Techniques, Targeted Lipolysis II, Treatment of Leg Veins, Leg Vein Anatomy and Treatment of Varicosities/Live Patient Treatments, South Beach Symposium, Miami Beach, FL. 2014

**Weiss RA.** Advanced Practice Management: Mini MBA, State of the Art Treatments for Veins, American Academy of Dermatology, Denver, CO. 2014

**Weiss RA.** Tech Connect: Body Contouring, Optomechanical Coupling, Microsecond Pulse 1064nm, Field RF, Picosecond Laser, Focused Ultrasound Technologies, Endovenous Laser Ablation Expert Panel, Body contouring Devices. How well do they work and what works best? Large Field RF, Non-Thermal Focused Ultrasound, Sub-Nanosecond Pulsing for Ultraviolet Altered Collagen, ASLMS, Phoenix, AR. 2014

**Weiss RA.** Picosecond lasers for Tattoo removal, Combining technologies for contouring, What laser and energy device should I buy? Calculating ROI of bringing new technologies into your practice, Why I never have skin resurfacing complications and how I manage your, 11<sup>th</sup> International Symposium of Facial Plastic Surgery, New York, NY 2014

**Weiss RA.** Non-Invasive fat removal and cellulite: Maximizing results without a scalpel, Laser-assisted liposuction: Tips to maximize fat removal & skin tightening, Sclerotherapy, laser & endovenous ablation for leg veins: Maximizing your results with new techniques and pearls, Acne: How to maximize results with new treatments, including lasers, energy-based devices & photodynamic therapy, Masters of Aesthetics, San Diego, CA, 2014

**Weiss RA.** Fat & Cellulite: Laser, Cooling, Ultrasound, Radiofrequency, Laser Lipolysis, Injectables and Mesotherapy, Sclerotherapy and Endovenous Ablation, 9<sup>th</sup> Annual Laser & Aesthetic Skin Therapy: What's the Truth?, Boston, MA 2014

**Weiss RA.** Moderator, Patient Demonstrations: Advanced Sclerotherapy and Vein Techniques, Clinical Evaluation of Non Thermal focused Ultrasound Device for Non-Invasive Body Contouring; Ask me Anything, American Society for Dermatological Surgery, San Diego, CA 2014.

**Weiss RA.** New Treatments for Cellulite, Fillers and Toxins I: Advanced Technique Live Patient Workshop, Devices in Aesthetics Live Patient Workshop, Special Symposium: Lip Enhancement Advanced Live Patient Treatments, Toxins and Fillers III: Advanced Live Patient Treatments, Advanced Sclerotherapy Techniques: Live Patient Treatments, South Beach Symposium, Miami Beach, FL. 2015

**Weiss RA.** Pico Technology beyond Tattoos Treating Photoaging, Scars and Striae, Tech Connect: Devices Without Which I could Not Do/ Q & A., Treatment of resistant tattoos with Pico Second Alexandrite Laser, Fat Reduction by large field RF Non-Thermal Focused Ultrasound, Body contouring devices, many devices, What to Do?, ASLMS, Kissimmee, FL. 2015

**Weiss RA.** Sclerotherapy and Endovenous Ablation, Ask the Experts: Questions and Discussion, Laser and Aesthetic Skin Therapy, Boston, MA. 2015

**Weiss RA.** What I do for Tissue Tightening, Core: Curriculum in Cosmetic Dermatology: Veins, Hands on Mini Workshop: Soft Tissue Filler and Neuromodulator Techniques, Large Particle HA-L For Midface Shape and Definition: A Pivotal Study, ASDS, Chicago, IL. 2015

**Weiss RA.** Skin Tightening 2015, Controversies: Pico Pearls, Non-Surgical Body contouring: Optimizing Outcomes, Controversies and Conversations Laser and Cosmetic Surgery, An Advanced Symposium, Napa, CA. 2015

**Weiss RA.** Face, Neck and Chest Rejuvenation – Role of energy based devices, Optimizing clinical-3D Photography in your practice, Co-Chair Virgin Derm, US Virgin Islands. 2016

**Weiss RA.** Hands on: Varicose and Telangiectatic Leg Veins 2 sessions, AAD, Washington DC. 2016

**Weiss RA.** Non Ablative and Ablative Fractional Skin Rejuvenation: Treatment of Scars, Light Bases Devices Combined with other modalities to treat the face, Pico body contouring, RF devices for body contouring, Ultrasound finding in fat following a 1060nm noninvasive diode laser – correlation with Anatomic findings, Clinical evaluation of fat reduction treatment of flanks and abdomen with noninvasive 1060nm diode laser a multicenter study, Cruise-celfina registry under investigation of safety and efficacy, Multi-center Pivotal study of the safety and effectiveness a a retrospective safety Study of combining micro-focused ultrasound with visualization (MFU-V)with neurotoxins and fillers (HA and CAHA), Cutaneous applications abstract session- in isolated micro needle RF treatment of acne scars, Pearls and secret recipe for picosecond photorejuvenation. ASLMS, Boston, MA. 2016

**Weiss RA.** Novel Approach to treating “Cutaneous Pigmentation and Melasma”. Atlantic Derm, Baltimore, MD. 2016

**Weiss RA.** “Non Surgical” Skin Tightening: Endymed, Infini, Profound, Thermage, Thermi RF, Ulthera. Controversies and Conversations, Beaver Creek, CO. 2016

**Weiss RA.** “What’s the truth”. 10<sup>th</sup> Annual Laser & Aesthetic Skin Therapy, New Orleans, LA. 2016

Weiss RA. Tenth annual Iron Surgeon Competition, My Experience with a Non-contact 1064 Laser and What’s New on the Horizon in Body Contouring, Shark Tank: Entrepreneurs Among Us- Take a risk or get out of the water, Commentator Panel,

---

---

## INTERNATIONAL ACADEMIC LECTURES

---

---

**Weiss RA.** "Monoclonal Antibodies and the Epidermis" - Co-chairman of workshop on intermediate filaments, European Society for Dermatologic Research, 1984

**Weiss RA.** Guest Lecturer on Keratins in Human Epidermal Disease, International Society for Dermatologic Research, Amsterdam, Netherlands, 1984

**Weiss RA.** International Society of Dermatologic Surgery, Paris, FR. 1991

**Weiss RA.** Post-Sclerotherapy Pigmentation, Ulceration and Telangiectatic Matting, Union Internationale De Phlebologie XI World Congress, Montreal, Canada, 1992

**Weiss RA.** International Society for Dermatologic Surgery, Toronto, Canada, 1994

**Weiss RA.** Anatomy of the Subcuticular Venous System and Its Relationship to Pattern of Telangiectasia, Canadian Symposium on Venous Disease and Thromboembolic Disorders, Montreal, Canada, 1994

**Weiss RA.** Telangiectasias, Reticular Veins and Doppler Imaging, French Society of Phlebology, Paris, France, 1994

**Weiss RA.** Diagnosis and Treatment of Varicose Veins: A Review, Canadian Society of Phlebology, Montreal, Canada, 1994

**Weiss RA.** Invited Speaker, German Society for Phlebology, Berlin, Germany, 1995

**Weiss RA.** Varicose Vein Symposium, Japanese Society of Phlebology, Fukushima Japan, 1995

**Weiss RA.** Randomized comparative study of Cutinova foam and Aevyn with Jobst UlcerCare stockings for the treatment of venous stasis ulcers, International Union of Phlebology, World Congress, London, England, 1995

**Weiss RA.** Photosclerosis of Leg Telangiectasia and Reticular Veins, Microdermabrasion: Therapeutic Revolution in Esthetics, Workshop on Intense Pulsed Light, Canadian Society of Phlebology, Toronto Canada, 1995

**Weiss RA.** Invited Speaker, German Society for Sexually Transmitted Disease, Rostock, Germany, 1996

**Weiss RA.** New Treatment of Telangiectasia and Venulactasia, Actual State of IPL Therapy, Monterrey, N.L. Mexico, 1996

**Weiss RA.** Speaker, Intense Pulsed Light Symposium & Treatment Workshop, European Society of Dermatology and Venereology, Lisbon, Portugal, 1996

**Weiss RA.** Treatment of Facial and Leg Veins, Toronto, Toronto Dermatologic Society and University of Toronto, Canada, 1996

**Weiss RA.** Treatment of Leg Veins Symposium, Deutsche Dermatologische Gesellschaft, Karlsruhe, Germany, 1997

**Weiss RA.** Treatment of Leg Veins, World Congress of Dermatology, Sydney, Australia, 1997

**Weiss RA.** Phlebology Today: Treatment of Leg Veins, International Society for Dermatologic Surgery, Amsterdam, Netherlands, 1997

**Weiss RA.** "Clinical Experience with Intense Pulsed Light", Aesthetic Surgery at the Red Sea Congress, Eilat, Israel, 1998

**Weiss RA.** Laser treatment of facial and leg veins, Laser hair removal – hands-on workshop, International Aesthetic and Plastic Laser Society, Berlin, Germany, 1998

**Weiss RA.** Representative of The American College of Phlebology and guest lecturer Hands-on demonstration of sclerotherapy, Lectures on Patterns of Varicose Veins, use of lasers and radiofrequency to treat veins, A novel 1064NM laser for leg veins", "Endovenous RF occlusion a new technique" International Union of Phlebology, International Union of Phlebology, Sydney, Australia, 1998

**Weiss RA.** Annual Meeting, Guest lecturer for 3 days on all topics in Phlebology (treatment of veins by surgery, lasers, RF, sclerotherapy w ultrasound), Argentine Phlebology and Lymphology Society, Buenos Aires, Argentina, 1998

**Weiss RA.** Guest lecturer on lasers, hair removal and vein treatments, Phlebology: Sclerotherapy and Vein Surgery, International Society for Dermatologic Surgery, 19<sup>th</sup> Annual Meeting, Bahia, Brazil, 1998

**Weiss RA.** Annual Congress, Guest lecturer on lasers and vein treatments – hands-on workshop, American College of Phlebology, San Juan, Puerto Rico, 1998

**Weiss RA.** 20<sup>th</sup> Annual Congress, Guest speaker on Laser treatment for tattoos, pigmented and vascular lesions, Non-ablative laser skin rejuvenation and micro-abrasion, International Society for Dermatologic Surgery, Athens, Greece, 1999

**Weiss RA.** Annual Meeting, Guest for live demonstration of sclerotherapy, European Union of Phlebology, Bremen, Germany, 1999

**Weiss RA.** Annual Meeting, Phlebology Symposium lecture on lasers for leg veins, European Academy of Dermatology, Amsterdam, Netherlands, 1999

**Weiss RA.** Live Laser Surgery Workshop, Wound Healing, American Academy of Cosmetic Surgery, Vancouver, BC. 2000

**Weiss RA.** International Society for Dermatologic Surgery, Annual Congress, Toronto, Canada, 2000

**Weiss RA.** Phlebology-Varicose Veins: State of the Art: Lasers for Leg Veins: Do They Work? 9<sup>th</sup> European Academy of Dermatology in Geneva, Switzerland, 2000

**Weiss RA.** Light-Based Mechanism for Vein Ablation: Newest Concepts for Improved Results, Laser Therapy for Reticular and Telangiectatic Leg Veins, Non Ablative Resurfacing Retexturing Procedures, Vein Surgery – The American Dermatology Way: VNUS Closure & Ambulatory Phlebectomy, Live Cosmetic Surgery Symposium, Darmstadt, Germany, 2000

**Weiss RA.** Intense Pulsed Light Photorejuvenation: Newest Approaches and Perspectives Live Cosmetic Symposium, Heidelberg, Germany, 2001

**Weiss RA.** International Society for Dermatologic Surgery, Madrid, Spain, 2000

**Weiss RA.** Laser Hair Removal, Japanese Hair Removal Society, Tokyo, Japan, 2001

**Weiss RA.** Hair Removal in Type V and VI Skin: Cool Touch Varia 1064nm, Millisecond Pulsed Laser, Non Ablative Lasers: Newest Approach and Perspectives, Lasers in Dermatology, Philippine Society of Cutaneous Medicine, Manila, Philippines, 2001

**Weiss RA.** A randomized retrospective study of low dose safety and efficacy of Sodium Tetradecyl Sulphate (Fibrovein) injection in the Treatment of Telangiectasias and Reticular Veins, RF Occulsion

(Closure) at 2 years: Baltimore experience, 14<sup>th</sup> World Congress of Union Internationale De Phlebologie, Rome, Italy, 2001

**Weiss RA.** A randomized retrospective study of low dose safety and efficacy of Sodium Tetradecyl Sulphate (Fibrovein) injection in the Treatment of Telangiectasias and Reticular Veins, RF Occulsion (Closure) at 2 years: Baltimore experience, 14<sup>th</sup> World Congress of Union Internationale De Phlebologie, Rome, Italy, 2001

**Weiss RA.** International Society for Dermatologic Surgery, Guadalajara, Mexico, 2001

**Weiss RA.** Diagnosis and Management of Lymphocele Following Venous Treatments, 20<sup>th</sup> World Congress of Dermatology, Phlebology and lymphatic disorders, lasers and light sources, Paris, FR. 2002

**Weiss RA.** Guest Speaker, Lasers and light sources for skin rejuvenation and vascular lesions, Leg Veins: RF Ablation of Saphenous Veins, Annual Meeting, Society of Dermatology and Venereology, Hong Kong, 2002

**Weiss RA.** Live surgery workshop and guest lecturer on vein and facial rejuvenation techniques, Canadian Laser and Aesthetic Surgery Society (CLASS), Toronto, Canada, 2002

**Weiss RA.** Use of IPL and Other Non-Ablative Devices for Rejuvenation Devices for Rejuvenation – Experience Since 1995, Canadian Laser and Aesthetic Surgery Society, Vancouver, Canada, 2003

**Weiss RA.** New Developments and Review of Non-Ablative Technology & Practices: IPL, LED and Lasers, International Society for Dermatologic Surgery, Berlin, Germany, 2003

**Weiss RA.** American Dermatologic Association, induction lecture on non-ablative skin rejuvenation, Kona, Hawaii, 2003

**Weiss, RA.** Non- Ablative rejuvenation: What's the state of the art for dermal enhancement? Controversies and Conversation in Cutaneous Laser Surgery an Advanced Symposium, Quebec Canada, 2004

**Weiss RA.** 1320nm Laser Ablation of Saphenous Veins – CTEV A substitute for stripping, Laser and Device Based Treatment of Leg Veins, 16<sup>th</sup> Regional Conference of Dermatology, Singapore, Japan, 2004

**Weiss RA.** Old Laser Wavelengths – New Indications, Comparison fo Endovenous Laser Techniques for obliteration of Saphenous Vein: 810 nm versus 1320nm (CTEV) Versus Radiofrequency, A novel device for delivery of 595nm Pulsed Dye Laser Plus 1320nm Laser to Reduce Photoaging and Wrinkles, European Academy of Dermatology and Venereology, Italy, 2004

**Weiss RA.** Rejuvenation of Photo-aged skin with energy based devices, Use of IPL and Other Non-Ablative Devices for Rejuvenation – Experience Since 1995, “Contracting skin with energy based devices thermage, fraxel etc”. Botox, Fillers and More – Vancouver, British Columbia, 2005

**Weiss RA.** “Non-Ablative Lasers for Telangiectasias and Pigmentation”. “Radiofrequency Tissue Tightening”. “Microfocusing Techniques of Non-ablative Lasers for wrinkling and Scar Collagen Remodeling - Different Approaches”. 2nd Regional Conference in Dermatological Laser and Facial Cosmetic Surgery - Hong Kong, 2006

**Weiss RA.** Lasers in Aesthetic Dermatology: Present and Future Trends, 25<sup>th</sup> Annual Meeting of the Japanese Society of Aesthetic Dermatology, Yokohama, Japan, 2007

**Weiss RA.** “Laser and radiofrequency treatment of leg veins. New treatment paradigms utilizing monopolar radiofrequency devices”. 21<sup>st</sup> World Congress of Dermatology. Buenos Aires, Argentina, 2007

**Weiss RA.** “Laser for the treatment of cellulite and localized fat”. “Laser assisted lipolysis and non-invasive fat removal”. Fractional resurfacing (1440nm and 1540nm)”. “Updates in ablative and non-ablative laser skin resurfacing”. “Advances in treatment for vascular lesion.”3<sup>rd</sup> Regional Conference in Dermatological Laser and Facial Cosmetic Surgery. Hong Kong, 2008

**Weiss RA.** The Science of the Body Sculpture Laser, VIII Congreso Bienal De Dermatologia, Benito Juarez, Mexico, 2009

**Weiss, RA.** What’s New in both ablative & non-ablative fractional technologies, International Pan Arab League of Dermatologist, Sharm, Egypt, 2009

**Weiss, RA.** 10 year Experience with Endovenous Ablation, 25 year retrospective review of safety and efficacy of STS and POL for treatment of telangiectasias and reticular veins, Laser and Light Sources for Leg Veins, 16<sup>th</sup> World Congress Union Internationale De Phlebologie, Monaco, 2009

**Weiss, RA.** Laser and Light Applications in Dermatology – Today and Toward the Future, Lasers for Lipolysis, Japanese Dermatology Association, Sendai, Japan, 2010



**Weiss RA.** Laser Assisted Lipolysis Does Wavelength Make a Difference? Modern Concepts of Facial Rejuvenation using Lasers and Light Sources, IMCAS, Hong Kong, China, 2010

**Weiss RA.** “Minimal invasive lipolysis and cellulite treatments, Changing the contour of the arms, abdomen and legs using the newest devices, Advances in skin rejuvenation and laser assisted lipolysis, New trends in bont-a, Radio frequency, photodynamic therapy & intense pulsed light, Spider veins of the legs: lasers vs sclerotherapy, Superficial veins: Fractional resurfacing - scars & striae, Neck & chest rejuvenation-neck & chest: toning & tightening. IMCAS, Singapore, 2011

**Weiss RA.** Selective cryopoylsis: a novel method of non-invasive fat removal, Taiwanese Dermatological Association, Taiwan, 2011.

**Weiss RA.** Role of Ambulatory Phlebotomy and Endovenous Techniques, The ABC of superficial leg vein anatomy, Philippine Society of Cutaneous Medicine, Lasers and Vein Treatment, Philippines, 2011

**Weiss RA.** Focus Ultrasound for Fat Reduction, Autologous Fibroblast Injection, What’s New in Vein Treatment and Laser, Vascular Diseases-Laser Treatment, Monopolar Radiofrequency for Face and Body Contouring, IMCAS, China, 2012

**Weiss RA.** No Needle Mesotherapy: Electroporation, The 12<sup>th</sup> Congress of Korean Association for Dermatology and Trichology, Korea, 2012

**Weiss RA.** Laser Treatment of Photoaging Ultrasound for Non-Invasive Fat Cell Destruction & Body Contouring, Contouring Body Focus Ultrasound for Body Contouring (Ultrashape V) Asian Dermatological Congress 9<sup>th</sup> Asian Dermatological Congress, Hong Kong, China, 2013

**Weiss RA.** Symposium on RF Technology for Fat Reduction, Perth, Australia 2015.

**Weiss RA.** Cynoacrylate of treatment of GSV reflux 2 years results, Sclerotherapy, 23<sup>rd</sup> World Congress of Dermatology, Vancouver, BC 2015.

**Weiss RA.** Non Invasive laser lipolysis by using 1060nm diode laser technology (SculpSure), Cutting Edge Technology with Picosure, New body contouring technique – noninvasive 1060nm diode laser lipolysis, Pico laser debate, 4<sup>th</sup> Taiwan Dermatology Aesthetic Conference, Kaohsiung, Taiwan 2016.

