

Girish (Gilly) S. Munavalli, MD, MHS, FAAD, FACMS

Curriculum Vitae

Office:

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Charlotte, NC 28207
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UNDERGRADUATE & GRADUATE EDUCATION

MOREHOUSE SCHOOL OF MEDICINE, Atlanta, GA

- Degree Received: Doctor of Medicine, Cum Laude; May 1994 - June 1998.

JOHNS HOPKINS UNIVERSITY | Bloomberg School of Public Health, Baltimore, MD

- Degree Received: Master of Health Sciences - Immunology and Infectious Disease; May 1993 – May 1994.

UNIVERSITY OF NORTH CAROLINA-CHAPEL HILL, Chapel Hill, NC

- Degree Received: Bachelor of Science – Biology | Minor – Chemistry; August 1987 - May 1992.

POSTGRADUATE EDUCATION

MARYLAND LASER, SKIN, and VEIN INSTITUTE LLC, Hunt Valley, MD

- Fellowship - Advanced Lasers and Vein Surgery. Director: Robert Weiss, MD. July 2003-July 2004.

UNIVERSITY of CALIFORNIA- San Francisco School of Medicine, Dept. of Dermatology, San Francisco, CA

- Fellowship - Mohs Micrographic Surgery and Cosmetic Dermatologic Surgery. Directors: R. Glogau, MD, R. Grekin, MD and C. Zachary, MD, FRCP. July 2002-June 2003

EMORY UNIVERSITY | Emory University School of Medicine, Department of Dermatology, Atlanta, GA

- Dermatology Residency Training, July 1999-June 2002

MAYO CLINIC | Mayo Graduate School of Medicine, Scottsdale, AZ

- Transitional Year Internship, July 1998-June 1999

ACADEMIC APPOINTMENTS

Assistant Clinical Professor of Dermatology

- Wake Forest University School of Medicine, Department of Dermatology, Winston-Salem, NC, 2011 - present

Program Director

- American Society for Dermatologic Surgery Cosmetic Dermatologic Surgery Fellowship. 2018 - present

Volunteer Clinical Faculty

- Dermatology Residency - Sampson Regional Medical Center. January 2018 - present

Clinical Assistant Professor

- Department of Medicine at UNC School of Medicine, Carolinas Medical Center. June 2013 - June 2015

Assistant Professor of Dermatology

- Johns Hopkins School of Medicine, Department of Dermatology. Baltimore, MD, 2004 - 2011

Clinical Teaching Faculty

- University of Maryland - Baltimore School of Medicine, Department of Dermatology. 2004 - 2006

HOSPITAL APPOINTMENTS

- Atrium Health Care, Charlotte, NC. April 2016 - Present.
- Novant Health Care, Charlotte, NC. Consulting Privileges: 2014 - Present
- Johns Hopkins University Hospitals, Baltimore, MD. Sept 2004 - 2010

EMPLOYMENT

DERMATOLOGY, CURRENT PRIVATE PRACTICE | October 2005 - Present

- **Medical Director and Owner**, Dermatology, Laser and Vein Specialists of the Carolinas, PLLC
Mohs Micrographic Surgery, Cosmetic Dermatologic Surgery, General Dermatology, Vein Clinic
1918 Randolph Road | Suite 550, Charlotte, NC 28207 p- 704.375.6766

DERMATOLOGY, PREVIOUS PRIVATE PRACTICE

- **Associate**, Maryland, Laser, Skin and Vein Institute. Drs. Robert and Margaret Weiss
Mohs Micrographic Surgery, Cosmetic Dermatologic Surgery, General Dermatology, Comprehensive Vein Clinic
54 Scott Adam Rd, Hunt Valley, MD 21030

DERMATOLOGY, PREVIOUS PRIVATE PRACTICE

- Kaiser Permanente Oakland Medical Center, Department of Dermatology.
Fabiola Building, 1st Fl. 3801 Howe St., Oakland, CA 94611 p- 510.752.1145

BOARD CERTIFICATION & MEDICAL LICENSURE

- American Board of Dermatology Certification - October 2002
- American Board of Dermatology Re-Certification - October 2012
- Georgia Medical License | Status: Active and current
- Maryland Medical License | Status: Active and current
- North Carolina Medical License | Status: Active and current
- Florida Medical License Status | Status: Active and Current
- South Carolina Medical License | Status: Active and Current

PROFESSIONAL MEMBERSHIPS

- American Academy of Dermatology, Fellow, Member, M.E. #00000073986
- American Society for Laser Medicine and Surgery, Fellow, Member
- American Society for Dermatologic Surgery, Member
- American College of Mohs Surgery, Fellow, Member
- American College of Phlebology, Member
- International Society of Dermatologic Surgery, Member
- The Dermatologic & Aesthetic Surgery International League, Member
- Alpha Omega Alpha National Medical Honor Society, Gamma Chapter
- Mayo Alumni Association, Elected Member
- Johns Hopkins University School of Hygiene and Public Health Alumni Association, member
- North Carolina Dermatology Society
- Charlotte Dermatology Society

COMMITTEES & ORGANIZATIONS

American Society for Lasers and Medicine in Surgery

- Program Co-Chairman: 39th Annual Conference, Denver, CO. April 2019

Intersocietal Accreditation Commission Vein Center

- Board of Directors - Elected Position: January 2018 - December 2020

Charlotte Dermatology Association:

- President, Elected Term: 2010 - 2011

North Carolina State Board of Electrolysis Examiners:

- Position appointed by the Governor of North Carolina. Term May 2011 - August 2017
- Chairman 2011 - 2012

Appointed Committees:

- American Academy of Dermatology Business Operations & Support Task Force | 2014
- American Society for Laser Medicine and Surgery- Education, Standards & Initiatives Committee | 2013
- American Society for Laser Medicine and Surgery- Marketing/PR Committee | 2012
- American Society for Laser Medicine and Surgery- Web Content Task Force | 2012
- The Dermatologic & Aesthetic Surgery International League- Organizing Committee | 2011 - Present
- American Academy of Dermatology- Workgroup to the Certification Commission for Health Information Technology (CCHIT) | September 2009 - 2011
- American Society for Dermatologic Surgery- Website Committee | Chair | 2010 - 2011
- American Academy of Dermatology, Medical Informatics Committee | 2007 - Present
- American Academy of Dermatology, Sulzberger Institute Board of Directors, elected | October 2003 - 2007
- American Academy of Dermatology Association Representative to Physicians Electronic Health Record Coalition (PEHR) appointed | May 2005 - 2007
- American Society for Dermatologic Surgery- Online CME Committee | May 2003 - 2005
- American Society for Dermatologic Surgery- Website Committee
- American Society for Laser Medicine and Surgery- Website committee | Feb 2005 - 2008
- American Society for Laser Medicine and Surgery- Chair, Electronics Publications Committee | 2009
- American College of Mohs Micrographic Surgery and Cutaneous Oncology- Website & CME committee | May 2005 - 2007
- American College of Mohs Micrographic Surgery and Cutaneous Oncology- Diagnostic Quality Control Committee | 2006 - 2008

INDUSTRY ADVISORY BOARDS

Current

Sienna BioPharma Advisory Board
Sebacia Medical Advisory Board
Merz Aesthetics Advisory Board
Syneron/Candela Advisory Board
Lutronics Advisory Board
Biofrontera Advisory/ Board
Pulse Biosciences Advisory Board

Past

American Board of Venous & Lymphatic Medicine Education Committee
Purple Promise Foundation Past Member Advisory Board

Charlotte, NC-based 503C NFP; Dedicated to public aware of the personal and public costs of melanoma cancer and ways to better identify and prevent all forms of skin cancer
www.purplepromise.org

CLINICAL TRIALS & GRANTS

GCP training (CiTI Program) 2/22/15 – 2/21/19

FDA/ IND and IRB Sponsored Clinical Investigations:

Principal Investigator

- Speclipse. The assessment of the effectiveness and safety of Spectra-Scope® for the detection of squamous cell carcinoma, basal cell carcinoma and melanoma (2017-01)
- Pulse Biosciences Nano Pulse Stimulation in Sebaceous Hyperplasia (NP-SH-006)
- Pulse Biosciences Nano Pulse Stimulation in Basal Cell Carcinoma Histologic Tissue Study (NP-BC-005)
- Syneron: V Beam Prima for treatment of photo aged facial skin (DHF24491)
- Syneron: V Beam Prima for treatment of Leg Veins and Vascular Lesions (DHF24201)
- Lutronic: Lase MD Evaluation of the Lutronic LaseMD system for Treatment of Benign Pigmented Lesions (L17001)
- Lutronic: Pilot Evaluation of the Lutronic Q-Switched System for Treatment of Dermatologic Conditions such as unwanted tattoos and benign pigmented lesions. (L16004)
- Syneron: Clinical Study to Evaluate the Safety and Efficacy Performance of the Profound System Using the Dermal and SubQ Cartridges for the Treatment of Cellulite (this is the arm laxity/above the knee/bra bulge study) (DHFD21711)
- Revance Therapeutics, Inc 1620303 An Open Label, Multi-Center Trial to assess the Safety of Single and Repeat Treatments of Daxibotulinumtoxin A for Injection for Treatment of Moderate to Severe Glabellar Lines (SAKURAOOPEN- LABEL SAFETY)
- Sienna Labs 755.1100_FA Clinical Investigation of a Topical Silver Particle Solution Followed by 755 nm Laser for the Treatment of Acne Vulgaris in Facial Areas of Healthy Subject
- Allergan –Aczone® (dapsone) 7.5% Acne Clinical Post Marketing Photographic Study.
- R-2 16-001 Evaluation of a New Dermal Cryotherapy System for the Treatment of Benign Pigmented Lesions
- Endo Pharmaceuticals EN3000-002 Evaluation of Reliability of the Patient Reported Photonumeric Cellulite Severity Scale (PR-PCSS)
- Kythera® CONTOUR: **C**ONdition of Submental Fullness and **T**reatment **O**utcomes **R**egistry (A Registry of Submental Fullness, Treatment Options Administered and Associated Outcomes)
- ZELTIQ A Pilot Clinical Trial Investigating the Effects of Cutaneous Cooling on Back Acne
- DUSA A Randomized, Evaluator-Blinded, Bilateral, Comparison of the Treatment of Facial Actinic Keratoses Using Combination Microneedling and Photodynamic Therapy with Aminolevulinic Acid and Blue Light vs. Photodynamic Therapy with Aminolevulinic Acid and Blue Light Using Two Different Incubation Times
- NEOTHETICS LIPO-202-CL-18 a Multi-Center, Randomized, Double-Blinded, Placebo-Controlled Study Evaluating the Safety and Efficacy of LIPO-202 for the Reduction of Central Abdominal Bulging Due to Subcutaneous Fat in Non-Obese Subjects.
- BTG 14-020-01 An Interventional Study to Assess the Usability and Variability of a Patient Reported Outcome Instrument and a Clinician Reported Outcome Instrument for Appearance in Patients with C1 Venous Disease (Predominantly Spider; Predominantly Reticular)
- SYNERON DHF15911 Clinical Study to Evaluate the Performance of the ePrime® system for the Treatment of Cellulite
- BTG / Canfield Pilot ALV photograph set-up / training / photographs
- SEBACIA Randomized, Prospective, Multicenter, Controlled Study with Blinded Assessment to Determine the Safety and Effectiveness of the Sebacia Acne Treatment System in the Treatment of Inflammatory Acne Vulgaris
- HRA Qualitative interviews for patients with C1 venous disease
- ALLERGAN 199201-006 A Long-term Safety and Efficacy study of Oxymetazoline HCL Cream 1.0 % in Patients with Persistent Erythema Associated with Rosacea
- ALLERGAN ACZONE Before and After Program (Photographic Post-Marketing Study)
- ULTHERA Evaluation of the Ulthera® System in Combination with 70W Alma Pixel CO2 laser for improvement of Striae
- ALLERGAN A Safety and Efficacy Study to Compare Dapsone Dermal Gel with Vehicle Control in Patients with Acne Vulgaris
- LUMENIS Impact of Synergistic, Sequential Treatment (SST) of fractional non-ablative and Q-Switched lasers on skin texture
- LUMENIS Clinical Evaluation of M22™ 1064nm Q-Switched Module and impact on skin tone and texture
- SEBACIA A Study to Evaluate the Histological Effect of Multiple Treatments with the Sebacia Acne Treatment System Using Pre-Auricular or Post-Auricular Skin
- SEBACIA A Study to Optimize the Sebacia Acne Treatment System on Sebaceous Hyperplasia or Other Sebaceous Disorders
- SEBACIA A Study to Optimize the Sebacia Acne Treatment System Using Pre-Auricular or Post-Auricular Skin
- IMQC 1220 Randomized, double blind, Placebo controlled, parallel design, multiple site, clinical study to evaluate the bioequivalence of two Imiquimod cream 3.75 % formulations in patients with Actinic Keratosis

- DLVSC Melasma 001, combination of low fluence Q-switch Nd:YAG (1064 nm) laser and pulsed dye laser (595 nm) for the treatment of Melasma
- DLVSC VeinGogh™ 001, Split-face randomized treatment of resistant Alae nasal and Alae base Telangiectasia comparing pulsed dye laser and Ohmic Thermolysis system
- DLVSC-ZA-001, Targeted fat reduction of Pseudocogynecomastia in the male breast using the Zeltiq™ CoolSculpting® system, Sponsor: Zeltiq®
- Aczone® (dapson) gel 5% 12-week before and after program
- ATX-101-11-23 Multicenter, randomized, double-blind, placebo-controlled, Phase 3 study of ATX-101 (sodium deoxycholate Injection) versus placebo for the reduction of localized subcutaneous fat in the submental area, Sponsor: Kythera
- ULT-116 Evaluation of the Safety and Effectiveness of the Ulthera® System for the Treatment of Moderate to Severe Facial Acne Sponsor: Ulthera®
- MUS90025_4007_0 The Comparison of Mederma® N&I and Mederma® Ultra Gel to Reduce the Appearance of Post-Surgical Scars, Sponsor: MERZ™
- RD.06.SPR.18142. A Multicenter, Open-Label Study to Evaluate the Long-Term Safety and Efficacy of CD07805/47 Gel 0.5% Applied Topically Once Daily for up to 52 Weeks in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea, Sponsor: Galderma R&D
- VAP.VV015. A Randomized, Blinded, Multicenter Study to Evaluate the Efficacy and Safety of Varisolve® Polidocanol Endovenous Microfoam (PEM) 0.5%, 1.0% and 2.0% Compared to Vehicle for the Treatment of Saphenofemoral Junction (SFJ) Incompetence (VANISH-1), Sponsor: BTG International, W. Conshohocken, PA
- VAP.VV017. A Multicenter, Randomized, Blinded Study of Endovenous Thermal Ablation with or without Varisolve® Polidocanol Endovenous Microfoam (PEM) Treatment for Patients with Great Saphenous Vein Incompetence and Visible Varicosities, Study Sponsor: BTG International, W. Conshohocken, PA
- 000-0551-202. A Comparative Evaluation Of The Adrenal Suppression Potential And Pharmacokinetic Properties Of Twice Daily Halobetasol Propionate Lotion 0.05% Versus Halobetasol Propionate Cream 0.05% In Subjects With Moderate To Severe Plaque Psoriasis Receiving Two Weeks Of Treatment, Sponsor: Therapeutics
- 094-3152-301. A Multicenter, Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Comparison Study To Determine The Therapeutic Equivalence Of Generic Imiquimod Cream, 3.75% And Zyclara™ (imiquimod) Cream 3.75% In Subjects With Actinic Keratoses, Sponsor: Therapeutics
- 09US05-N375-Gold. An exploratory, open-label study of sequential field-directed treatment of actinic keratosis of the face with imiquimod 3.75% cream followed by photodynamic therapy, Sponsor: Graceway
- RD.06.CIP.18156. A Pivotal USA Randomized, Evaluator-Blinded, Active-Controlled, Multi-Center, Split Face Comparison Study of LSIR versus Juvéderm® Ultra in the Treatment of Moderate to Severe Facial Folds and Wrinkles, Sponsor: Galderma R&D
- A Placebo Controlled Serial Skin Biopsy Study to Evaluate Tissue Histology Following Treatment with Azficel-T, Protocol #IT-H-001, Sponsor: Fibrocell, Inc.
- Phase III Pilot Study VAP.VV013. A Randomized, Single-Blind, Placebo Controlled, Multicenter Study to Evaluate Efficacy and Safety of Varisolve® (polidocanolendovenousmicrofoam) for the Treatment of Symptomatic, Visible Varicose Veins with Saphenofemoral Junction (SFJ) Incompetence, Sponsor: BTG International, W. Conshohocken, PA
- Phase III Multicenter Observational Study of the Appearance and Symptom Improvement following Treatment of Varicose Veins (SAVVy). Study Sponsor: BTG International, W. Conshohocken, PA
- 2009 A Biopsy Protocol to Obtain Human Tissue Samples In Vitro Studies IT-Biopsy-005 Sponsor: Fibrocell Inc.
- PEP 005-030 A 12 month, long-term follow-up study of patients with actinic keratosis on the head (face or scalp) who have completed Day 57 in studies PEP 005-016 or PEP 005-025 Sponsor: Peplin Operations Pty Ltd 2009
- LUM-DFX-AFX-08-18-09 Histologic study to compare three Lumenis® fractional system configurations, Sponsor: Lumenis® Corp 2009
- 2009 A Multicenter, Randomized, Parallel Group, Double-Blind, Vehicle-Controlled Study to Evaluate Efficacy and Safety of PEP005 (ingenolmebutate) Gel, 0.015% in Patients with Actinic Keratosis (AK) on the Head (face or scalp) (REGION-11b), Sponsor: Peplin Operations Pty Ltd
- IT-R-008- A Phase III Multicenter, Double-Blind, Randomized and Placebo-Controlled Study of Isolagen Injection for the Correction of Acne Scars, Sponsor: Isolagen, Inc. Exton, PA
- IT-R-007- A Phase II Multicenter, Open-Label Trial of the Safety and Efficacy of Isolagen Therapy in the Treatment of Facial Wrinkles and Creases, Sponsor: Isolagen, Inc. Exton, PA
- IT-R-005- A Phase III Double-Blind, Randomized and Placebo-Controlled Study of Isolagen™ Injection for the Correction of Nasolabial Folds, Sponsor: Isolagen, Inc. Exton, PA
- AES-2006-01 Evaluation of the AestheraPPx System for the Treatment of Acne 2009

Sub-investigator

- Phase IIIb, Open Label Effectiveness and Safety Study of Imiquimod 5% Topical Cream in the Treatment of Actinic Keratosis - Study conducted at Dermatology, Laser & Vein Specialists of the Carolinas, PLLC (formerly known as The Goslen Center)
- IT-R-003- A Phase III Double-Blind, Randomized and Placebo-Controlled Study of Isolagen Injection For The Treatment Of Contour Deformities
- Juvéderm Experience Trial (JET). A multicenter, open-label experience trial to evaluate persistence and satisfaction with Juvéderm Ultra
- Weiss-IRface-01 Investigations of Treatment Parameters for the Starlux IR Fractional Handpiece for Skin Rejuvenation and Tightening in Facial Treatments
- 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
- 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/Actinic Keratosis
- LUM-ABU-LUM1-070301 Evaluation and Optimization of the Technical and Clinical Performance of the Lumenis® One Platform
- Multicenter Study, Split Face Evaluation of Thermage Thermacool Radiofrequency Tightening Device Fast Tip vs. Slow Tip
- Evaluation of the AestheraPPx System for the Treatment of Vascular and pigmented lesions. (AES-2005-01)
- Clinical Trial. 1440-nm Photo-rejuvenation Investigation (CYNO5-SPOT1-W)
- Evaluation of the AestheraPPx System for the Treatment of Vascular and pigmented lesions. (AES-2005-01)
- A multicenter, randomized trial to determine the influence of intense pulsed light (IPL) therapy when administered immediately after vs. two weeks after treatment with Hyaluronic acid (Restylane) for tissue augmentation of the nasolabial folds

Grants:

- 2008 - 2011: Co-Founder and Co-Director - Chief Academy Course. Annual academic course designed around career development for rising chief residents in Dermatology. Average course attendance: 60 residents. Grant Sponsored through Ortho Dermatologics.
- Research Grant: American Academy of Dermatology PICMED grant award recipient 2005: Advancing Continuing Medical Education using technology
PI: **Girish Munavalli, MD, MHS**, Ashish Bhatia, MD,
Source – American Academy of Dermatology, 2005 - 2006
- Research Grant: Virtual Dermatopathology: A Method for Teaching Dermatopathology via the Internet
PI: **Girish Munavalli, MD, MHS**, Ashish Bhatia, MD, Calvin McCall, MD, Suephy C. Chen, M.D., M.S.
Project goal: To determine, via a national randomized trial, the educational value of a new modality of teaching Dermatopathology over the Internet. Source - Sulzberger Institute, 2003 - 2004
- Research Grant: Virtual Dermatopathology – Teaching Dermatopathology over the Internet: Creation of a Virtual Textbook PI: Shawn Cowper, M.D. Yale University School of Medicine, Department of Pathology
Collaborator: **Girish Munavalli, MD, MHS** Source - Dermatology Foundation, 2002 - 2003

PEER REVIEW JOURNAL & MAGAZINE AFFILIATIONS

Lasers in Medical Science - Editorial Board 2006 – present
 Journal of Dermatologic Surgery – Peer Reviewer
 Journal of Lasers in Science and Medicine - Peer Reviewer
 Journal of Cosmetic Laser Therapy – Peer Reviewer
 Journal of Dermatologic Therapy – Peer Reviewer
 Dermatology World (publication of the AAD) - Continuing Feature Column, Technically Speaking 2011 - 2014
 Practical Dermatology – Advisory Board

PUBLICATIONS

Textbooks Chapters:

Munavalli, G.S., Ruane, E.J. (2018) Treatment of Prominent Veins, in Essentials of Aesthetic Plastic Surgery (ed J. Janis), Thieme Medical Publishers, New York, NY.

Munavalli, G. S., Benedetto, A. V., Biesman, B. S. and Cutler Peck, C. M. (2017) Treatment of the Periocular Area – Crow's Feet, Brow, and Bunny Lines, in Botulinum Toxins: Cosmetic and Clinical Applications (eds J. L. Cohen, D. M. Ozog and D. A. Porto), John Wiley & Sons, Ltd, Chichester, UK. doi: 10.1002/9781118661833.ch12

Munavalli, G.S., Clementoni, M.T., Roscher, M.B. (2016) Photodynamic Therapy – Novel Cosmetic Approaches, in Cosmetic Photodynamic Therapy (ed M.H. Gold), Aesthet Dermatol. Basel, Karger, 2016, vol 3, pp 64-84 (doi:10.1159/000441511)

Munavalli, G.S., Biesman, B.S., Cohen, J.S. (2011) Periocular Uses of Botulinum Toxin, in Botulinum Toxin (ed Press), Blackwell Synergy, London, UK.

Weiss, R.A., **Munavalli, G.S.,** Choudhary, S., Lieva, A. (2011) Intense Pulsed Light, in Lasers in Dermatology and Medicine (ed K. Nouri), Springer, New York, NY.

Munavalli, G.S., Weiss, R.A. (2011) Leg Veins: Presentations of Venous Disease, in Cosmetic Dermatology Series 2nd edition (eds J. Dover and A.M. Elsevier)

Munavalli, G.S., Silapunt, S., Weiss, R.A. (2010) Sclerotherapy and Laser Vein Treatment, in The Art of Aesthetic Surgery: Principles & Techniques 2nd edition (ed F. Nahai), Quality Medical Publishing, St Louis, MO.

Pongprutthipan, M., **Munavalli, G.S.,** Yoo, S. (2010) Ambulatory Phlebectomy, in Body Rejuvenation (eds A.M. Elsevier and M. Pongprutthipan), Springer, New York, NY.

Munavalli, G.S. (2008) Non-ablative Techniques for Photorejuvenation of Facial Skin, in Aesthetic Rejuvenation: A Regional Approach (eds J. Cohen, R. Hirsh and N. Sadick), McGraw-Hill Professional, New York, NY.

Munavalli, G.S., Weiss, R.A. (2005) Complications of Sclerotherapy, in Complications in Cutaneous Surgery (ed H. Gloster), Springer, New York, NY.

Munavalli, G.S., Weiss, R.A. (2005) Leg Veins: Presentations of Venous Disease, in Cosmetic Dermatology Series (eds J. Dover and A.M. Elsevier)

Munavalli, G.S., Weiss, R.A. (2004) Sclerotherapy and Laser Vein Treatment, in The Art of Aesthetic Surgery: Principles & Techniques (ed F. Nahai), Quality Medical Publishing, St. Louis, MO.

Munavalli, G.S., Weiss, R.A. (2004) Intense Pulsed Light, in Minimally Invasive Techniques of Oculo-Facial Rejuvenation (ed S. Bosniak), Marcel Dekker, Inc.

Munavalli, G.S., Glogau, R.G. (2004) Computers in Mohs Surgery, in Mohs Micrographic Surgery 2nd edition (ed S.E. Snow), Marcel Dekker, Inc.

Munavalli, G.S., Weiss, R.A. Laser Treatment of Leg Veins. In: eMedicine online text, last updated 02/06

Munavalli, G.S., Weiss, R.A. Ambulatory Phlebectomy. In: eMedicine online text, last updated 02/06

Peer Reviewed Articles:

Munavalli G. Web App– and Text Message–Based Patient Education in Mohs Micrographic Surgery—A Randomized Controlled Trial. PracticeUpdate website. Available at: <http://www.practiceupdate.com/content/web-app-and-text-message-based-patient-education-in-mohs-surgery/65684/65/4/1>. Accessed July 13, 2018

Spring LK, Krakowski AC, Alam M, Bhatia A, Brauer J, Cohen J, Del Rosso JQ, Diaz L, Dover J, Eichenfield LF, Gurtner GC, Hanke CW, Jahnke MN, Kelly KM, Khetarpal S, Kinney MA, Levy ML, Leyden J, Longaker MT, **Munavalli GS,** Ozog DM, Prather H, Shumaker PR, Tanzi E, Torres A, Velez MW, Waldman AB, Yan AC, Zaenglein AL. Isotretinoin and Timing of Procedural Interventions: A Systematic Review With Consensus Recommendations. *AMA Dermatol.* 2017 Aug 1;153(8):802-809

Munavalli G.S. A Split-Face Assessment of the Synergistic Potential of Sequential Q-Switched Nd:YAG Laser and 1565 nm Fractional Nonablative Laser Treatment for Facial Rejuvenation in Fitzpatrick Skin Type II-V Patients. *J Drugs Dermatol.* 2016 Nov 1;15(11):1335-1342.

Ozog, D.M., Rkein, A.M., Fabi, S.G., Gold, M.H., Goldman, M.P., Lowe, N.J., Martin, G.M., & **Munavalli, G.S.** (2016). Photodynamic Therapy: A Clinical Consensus Guide. *Dermatol Surg.*, *42*(7), 804-827.

Munavalli, G.S. (2016). Commentary on Radiofrequency Thermotherapy for Treating Axillary Hyperhidrosis. *Dermatol Surg.*, *42*(5), 631-632.

Clementoni, M.T., & **Munavalli, G.S.** (2016). Fractional high intensity focused radiofrequency in the treatment of mild to moderate laxity of the lower face and neck: A pilot study. *Lasers Surg Med.*, *48*(5), 461-470.

Munavalli, G.S., & Panchaprateep, R. (2015). Cryolipolysis for targeted fat reduction and improved appearance of the enlarged male breast. *Dermatol Surg.*, *41*(9), 1043-1051.

Paithankar, D., Hwang, B., **Munavalli, G.S.**, et. al. (2015). Ultrasonic delivery of silica-gold nanoshells for photothermolysis of sebaceous glands in humans: Nanotechnology from the bench to clinic. *J Control Release*. Mar 3, May 28; 206:30-6. doi: 10.1016/j.jconrel.2015.03.004. Epub 2015 Mar 3.

Panchaprateep, R., & **Munavalli, G.S.** (2015). Low-fluence 585nm q-switched Nd:YAG laser: a novel laser treatment for post-acne erythema. *Lasers Surg Med.*, *47*(2), 148-155. doi: 10.1002/lsm.22321. Epub 2015 Feb 2.

Panchaprateep, R., Tugate, S., **Munavalli, G.S.**, & Noppakun, N. (2015). Fractional 1,550nm Ytterbium/Erbium fiber laser in the treatment of lichen amyloidosis: clinical and histological study. *Lasers Surg Med.*, *47*(3), 222-230. doi: 10.1002/lsm.22338. Epub 2015 Mar 13.

Munavalli, G.S., Smith, S.R., Maslowski, J.M., & Weiss, R.A. (2013). Successful treatment of depressed, distensible acne scars using autologous fibroblasts: a multi-site, prospective, double blind, placebo-controlled clinical trial. *Dermatol Surg.*, *39*(8), 1226-1236. doi: 10.1111/dsu.12204. Epub 2013 Apr 8.

Clementoni, M.T., Lavagno, R., & **Munavalli, G.S.** (2012). A new multi-modal fractional ablative CO₂ laser for wrinkle reduction and skin resurfacing. *Cosmet Laser Ther.*, *14*(6), 244-252. doi: 10.3109/14764172.2012.738918.

Smith, S.R., **Munavalli, G.S.**, Weiss, R.A., Maslowski, J.M., Hennegan, K.P., & Novak, J.M. (2012). A multicenter, double-blind, placebo-controlled trial of autologous fibroblast therapy for the treatment of nasolabial fold wrinkles. *Dermatol Surg.*, *38*(7/2), 1234-1243. doi: 10.1111/j.1524-4725.2012.02349.x. Epub 2012 Mar 12.

Munavalli, G.S., Turley, A., Silapunt, S., & Biesman, B. (2011). Combining confluent and fractionally ablative modalities of a novel 2790nm YSGG laser for facial resurfacing. *Lasers Surg Med.*, *43*(4), 273-282. doi: 10.1002/lsm.21059.

Clementoni, M.T., Roscher, M.B., & **Munavalli, G.S.** (2010). Photodynamic photorejuvenation of the face with a combination of microneedling, red light, and broadband pulsed light. *Lasers Surg Med.*, *42*(2), 150-159. doi: 10.1002/lsm.20905.

Munavalli, G.S. (2010). Guest Editor – Dermatology Special Issue. Introduction and Commentary. *Lasers Surg Med.*, *42*(2), 91-92. doi: 10.1002/lsm.20903.

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LECTURES | PRESENTATIONS | DEMONSTRATIONS

Munavalli, GS. Energy Based Devices for the Treatment of Neck Fullness and Laxity. Presented at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2018; Boston, MA.

Munavalli, GS. *In vivo* Skin Cancer Diagnostics Based on Laser Induced Breakdown Spectroscopy (LIBS) and Machine Algorithmic Analysis. Presented at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2018; Boston, MA.

Munavalli GS. Hands-On: Varicose & Telangiectatic Veins. Presented at: 76th Annual American Academy of Dermatology Meeting; February 2018; San Diego, CA.

Munavalli, GS. Energy Based Devices for the Treatment of Neck Fullness and Laxity. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. One Size Doesn't Fit All: Our Approach to Body Shaping. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Shaping and Re-Shaping: Trends, Tools and Patient Demand. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Energy Based Devices VII | Body Contouring with Energy Based Devices. Session Chair at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. CoolSculpting for Male Patients. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. PDT Western Experience. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. PDT Overview. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Keloids – The Most Difficult of Scars. New Techniques. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Breakthrough Approaches in Scars and Stretch Marks Management. Session Co-Chair at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Influence of Wound Healing on Scar Formation. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Clementoni, MT, **Munavalli, GS**. Discover Infini and Spectra – Providing Versatile Microneedling and Laser Treatments. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. QS and Picosecond Lasers for the Treatment of Facial Dyschromia. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Practical Experience with Optimal Post Procedure Care. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Akkash, L, Chen, X, Clementoni, MT, El Achkar, I, Field, L, Gloster, H, Mavura, D, **Munavalli, GS**. Basic & Advanced Dermatologic Surgery. Presented at: DASIL 6th World Congress; October 2017; Pudong Shangri-La, Shanghai, China.

Munavalli, GS. Controversies: Complex Cases and Complications - Thread Lifts. Presented at Controversies & Conversations in Laser & Cosmetic Surgery; August 2017; Dana Point, CA.

Munavalli, GS. Controversies: Complex Cases and Complications – Topical Anti-Redness Agents. Presented at Controversies & Conversations in Laser & Cosmetic Surgery; August 2017; Dana Point, CA.

DiBernardo, BE, Lowe, NJ, **Munavalli, GS**, Ross, EV. Do Energy Devices Tighten Skin? Endymed, Infini, Pico, Profound, Thermage, Thermi RF, Ulthera. Presented at Controversies & Conversations in Laser & Cosmetic Surgery; August 2017; Dana Point, CA.

Munavalli, GS. Controversies: Complex Cases and Complications – Kybella for Paradoxical Fat. Presented at Controversies & Conversations in Laser & Cosmetic Surgery; August 2017; Dana Point, CA.

Munavalli, GS. Non-Surgical Options for Treating the Neck – A Dermatologist’s Perspective. Presented at: Cosmetic Bootcamp Summer Meeting; June 2017; Aspen, CO.

Munavalli, GS. Non-Invasive Body Contouring and Skin Tightening. Presented at: 37th Annual American Society for Laser Medicine and Surgery Conference; April 2017; San Diego, CA.

Munavalli, GS. Translating Evidence into Practice: Acne Guidelines. Presented at: 75th Annual American Academy of Dermatology Meeting; March 2017; Orlando, FL.

Munavalli, GS. Dermatologic Surgery: Cosmetic Tips & Pearls. Presented at: 75th Annual American Academy of Dermatology Meeting; March 2017; Orlando, FL.

Munavalli, GS. Hands-On: Varicose & Telangiectatic Veins. Presented at: 75th Annual American Academy of Dermatology Meeting; March 2017; Orlando, FL.

Munavalli, GS. Prevention & Management of Scars: Practical Applications. Presented at: North Carolina Dermatology Association Annual Meeting; January 2017; Charlotte, NC.

Munavalli, GS. Dermatologic Surgery: Tips, Tricks and When to Refer. Presented at: North Carolina Dermatology Association Annual Meeting; January 2017; Charlotte, NC.

Munavalli, GS. Perioral Rejuvenation. Presented at: Aesthetic Extender Symposium; October 2016; Miami, FL.

Munavalli, GS. Mastering Pulsed Light for Facial Rejuvenation. Presented at: Aesthetic Extender Symposium; October 2016; Miami, FL.

Munavalli, GS. Body Contouring. Presented at: Aesthetic Extender Symposium; October 2016; Miami, FL.

Munavalli, GS. Radiofrequency Needle Techniques in Body Contouring. Presented at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2016; Beaver Creek, CO.

Munavalli, GS, Del Rosso, J, Armstrong, A. Inflammatory Skin Disorders: Faculty Panel Discussion & Audience Q & A. Presented at: Dermatology Essential Resource Meeting; July 2016; Las Vegas, NV.

Munavalli, GS. Toxins & Fillers. Presented at: Dermatology Essential Resource Meeting; July 2016; Las Vegas, NV.

Munavalli, GS, Tanghetti, E. DEF Essential Resource CME Self-Assessment Course: Insights into Lasers, Lights & More. Presented at: Dermatology Essential Resource Meeting; July 2016; Las Vegas, NV.

Munavalli GS. Non-Invasive Body Contouring Options. Presented at: 36th Annual American Society for Laser Medicine and Surgery Conference; April 2016; Boston, MA.

Munavalli GS. Hands On: Varicose & Telangiectatic Leg Veins. Presented at: 74th Annual American Academy of Dermatology Meeting; March 2016; Washington, D.C.

Munavalli GS. Advances in Lasers and Light Sources – What’s the Truth? | Laser Clinical Trials. Presented at: 74th Annual American Academy of Dermatology Meeting; March 2016; Washington, D.C.

Munavalli GS. Update in Lasers in Dermatology 2015. Presented at the 39th Annual Southeastern Consortium; October 2015; Winston-Salem, NC.

Munavalli GS. Trends in Energy-Based Devices in Cosmetic Dermatology. Presented at the 39th Annual Southeastern Consortium; October 2015; Winston-Salem, NC.

Munavalli GS, Taylor S. Live Cosmetic Demonstration. Presented at the 39th Annual Southeastern Consortium; October 2015; Winston-Salem, NC.

Munavalli GS. Body and Neck Contouring. Presented at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2015; Napa, CA.

Munavalli GS. Update in cosmetic dermatology. Presented at: Dermatology Essential Resource Meeting; July 2015; Las Vegas, NV.

Munavalli GS. Skin cancer: beyond basics. Presented at: Dermatology Essential Resource Meeting; July 2015; Las Vegas, NV.

Munavalli GS. Synergistic sequential treatment using 1565nm fractional non-ablative and q-switched Nd:YAG for improvement of facial rhytides. Presented at: 23rd World Congress of Dermatology; June 2015; Vancouver, Canada.

Munavalli GS, Ozog DM, Waibel JS. Manipulating collagen and elastin, skin tightening, scar relaxation & modulation | Q&A: traditional CO₂/Er:YAG vs. fractionated ablative/nonablative vs. nano/pico. Presented at: Tech Connect Session. 35th Annual American Society for Laser Medicine and Surgery Conference; April 2015; Kissimmee, FL.

Munavalli GS. Treatment of acne with energy sources. Presented at: Expert Treatment Approaches Course. 35th Annual American Society for Laser Medicine and Surgery Conference; April 2015; Kissimmee, FL.

Munavalli GS, Tanzi E, Weiss RA. Therapeutic challenges and new treatments. Presented at: 35th Annual American Society for Laser Medicine and Surgery Conference; April 2015; Kissimmee, FL.

Munavalli GS. Treatment of varicose and telangiectatic leg veins. Presented at: 73rd Annual American Academy of Dermatology Meeting; March 2015; San Francisco, CA.

Munavalli GS. Advances in cryolipolysis for body contouring. Presented at: Dermacon 2015; February 2015; Mangalore, India.

Munavalli GS. Laser/device treatment for acne. Presented at: Dermacon 2015; February 2015; Mangalore, India.

Munavalli GS, Wanitphakdeedecha R. Zeltiq[®]/CoolSculpting[®]: safe and effective non-invasive body contouring with tremendous growth potential. Presented at: 5-Continent Congress; December 2014; Hong Kong, China.

Munavalli GS. How I use technology to enhance patient care. Presented at: Practice Management Pearls. American College of Mohs Surgery Regional Meeting; November 2014; Charleston, SC.

Munavalli GS. Update on venous surgery. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Updates in lasers & energy-based devices: lasers for acne. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Updates in lasers & energy-based devices: cryolipolysis. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Zeltiq[®]/CoolSculpting[®]: clinical outcomes to ensure commercial success. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Toxins: upper-face injections. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Rejuvenating the lower lids: laser & surgery. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Dermatologic surgery & aesthetic trends 2014: PDT update. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Sclerotherapy & laser vein removal. Workshop & Presentations given at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Complications of lasers & energy-based devices. Presented at: The Dermatologic & Aesthetic Surgery International League 3rd Annual Congress; September 2014; Sun City, South Africa.

Munavalli GS. Controversies in lasers & lights for acne. Presented at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2014; Sun Valley, ID.

Munavalli GS, Tanghetti E. Cosmetic dermatology procedures. Presented at: Dermatology Essential Resource Meeting; July 2014; Las Vegas, NV.

Munavalli GS, Nestor M. Live injection filler & toxin symposium. Demonstration given at: Dermatology Essential Resource Meeting; July 2014; Las Vegas, NV.

Munavalli GS. Cryolipolysis: a novel study on the treatment of male pseudogynecomastia. Presentations given in: Hong Kong, Mumbai, Delhi, Chennai; June 2014.

Munavalli GS. Lights & lasers for acne: what works & what's next? Presented at: 34th Annual American Society for Laser Medicine and Surgery Conference; April 2014; Phoenix, AZ.

Munavalli GS, Tanzi E, Weiss RA. Therapeutic Challenges and New Treatments. Presented at: 34th Annual American Society for Laser Medicine and Surgery Conference; April 2014; Phoenix, AZ.

Makin I, **Munavalli GS**. Ultrasound & radiofrequency. Presented at: Experts in the Hall. 34th Annual American Society for Laser Medicine and Surgery Conference; April 2014; Phoenix, AZ.

Hernandez C, McCleskey PE, **Munavalli GS**. How to be an effective clinician educator. Presented at: 72nd Annual American Academy of Dermatology Meeting; March 2014; Denver, CO.

Munavalli GS. Utilizing multiple modes on the AcuPulse™ to grow your cosmetic practice. Presented at: 72nd Annual American Academy of Dermatology Meeting; March 2014; Denver, CO.

Munavalli GS. Versatility of the M22™: pulsed light, q-switched and fractional laser treatment in one platform. Presented at: 72nd Annual American Academy of Dermatology Meeting; March 2014; Denver, CO.

Munavalli GS. Treatment of varicose and telangiectatic leg veins. Presented at: 72nd Annual American Academy of Dermatology Meeting; March 2014; Denver, CO.

Munavalli GS. Q-switched Nd:YAG laser: multiple modes maximize treatment options. Presented at: The Dermatologic & Aesthetic Surgery International League 2nd Annual Congress; November 2013; Bangkok, Thailand.

Munavalli GS. Rejuvenating the lower lids: combining lasers and surgery. Presented at: The Dermatologic & Aesthetic Surgery International League 2nd Annual Congress; November 2013; Bangkok, Thailand.

Munavalli GS. PDT: update U.S. Presented at: The Dermatologic & Aesthetic Surgery International League 2nd Annual Congress; November 2013; Bangkok, Thailand.

Hsu JT, **Munavalli GS**, Weiss MA. Advanced sclerotherapy and vein techniques. Patient demonstration performed at: 2013 American Society for Dermatologic Surgery Annual Meeting; October 2013; Chicago, IL.

Munavalli GS. Device-based treatment of acne: ultrasound & beyond. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Autologous fibroblasts for acne scars. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Laser-assisted delivery of live cells. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Device treatment of hyperhidrosis. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Plant-derived stem cells for tailored skin cells. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Cryolipolysis for gynecomastia. Presented at: Third 5-Continent Congress | Lasers & Aesthetic Medicine; September 2013; Cannes, France.

Munavalli GS. Free Paper Session Chair at: XVII World Meeting of the International Union of Phlebology; September 2013; Boston, MA.

Munavalli GS, Sakamoto F, Uebelhoer N. Lasers and lights for acne: are we near a cure? Panel held at: Controversies & Conversations in Laser & Cosmetic Surgery; August 2013; Dana Point, CA.

Munavalli GS. Introduction to Phlebology & Spider vein sclerotherapy: all you need to know & practical demonstration. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Surgical scar revision minor approach: office-based procedure. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Novel approach using devices in acne treatment. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. An Update: The periocular zone- laser treatment for ocular veins. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Evolving concepts on acne: pathophysiology, causes & treatment options. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Latest in body-shaping devices: cryolipolysis. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Laser complications. Presented at: Cosmedica 2013; July 2013; Johannesburg, South Africa.

Munavalli GS. Fillers: treatment of acne scars with autologous fibroblasts. Presented at: Asian Dermatological Congress; July 2013; Wanchai, Hong Kong.

Munavalli GS. Laser surgery: laser treatment of venous diseases. Presented at: Asian Dermatological Congress; July 2013; Wanchai, Hong Kong.

Munavalli GS. Technology & online resources for the chief resident. Presented at: Chief Academy; June 2013; Chicago, IL.

Munavalli GS. Sclerotherapy. Presented at: 71st Annual American Academy of Dermatology Meeting; March 2013; Miami, FL.

Munavalli GS. Treatment of varicose and telangiectatic leg veins. Presented at: 71st Annual American Academy of Dermatology Meeting; March 2013; Miami, FL.

Munavalli GS. Surgical pearls part deux. Presented at: 2013 North Carolina Dermatology Society Meeting; January 2013; Charlotte, NC.

Hamilton TK, **Munavalli GS**, Weiss MA. Advanced sclerotherapy and other vein treatments. Demonstration performed at: 2012 American Society for Dermatologic Surgery Annual Meeting; October 2012; Atlanta, GA.

Munavalli GS. Technology and online resources for the chief resident. Presented at: Chief Academy; July 2012; Chicago, IL.

Munavalli GS. Preparing for your first job/fellowship. Presented at: Chief Academy; July 2012; Chicago, IL.

Munavalli GS. Spider vein sclerotherapy: all you need to know. Demonstration performed at: Pre-Congress Workshop. Cosmedica 2012; July 2012; Cape Town, South Africa.

Munavalli GS. Lasers: evaluation & treatment of vascular lesions for beginners. Presented at: Cosmedica 2012; July 2012; Cape Town, South Africa.

Munavalli GS. Lasers: what's new in laser hair removal? Presented at: Cosmedica 2012; July 2012; Cape Town, South Africa.

Munavalli GS. An update in acne management: device treatment for acne. Presented at: Cosmedica 2012; July 2012; Cape Town, South Africa.

Munavalli GS. Laser liposuction & body contouring: cryolipolysis. Presented at: Cosmedica 2012; July 2012; Cape Town, South Africa.

Munavalli GS. What's on the horizon for dermal fillers and botulinum toxins? Presented at: American Society for Dermatologic Surgery Neurotoxin & Filler Course; June 2012; Houston, TX.

Munavalli GS. What does today's economy mean for the future of fillers and injectables? Presented at: American Society for Dermatologic Surgery Neurotoxin & Filler Course; June 2012; Houston, TX.

Munavalli GS. Complications, controversies and legal issues. Presented at: 32nd Annual American Society for Laser Medicine and Surgery Conference; April 2012; Kissimmee, FL.

Munavalli GS. Complications of Sclerotherapy. Presented at: Surgical Complications Symposium. 70th Annual American Academy of Dermatology Meeting; March 2012; San Diego, CA.

Munavalli GS. Sclerotherapy. Presented at: 70th Annual American Academy of Dermatology Meeting; March 2012; San Diego, CA.

Munavalli GS. Invited Lecturer & Chair. Fundamentals of CO₂, laser hair removal, body contouring devices, medicine & interface, UltraPulse™, invasive vs. non-invasive cryotherapy, monopolar RF for skin tightening, & acne scarring. Presentations given at: International Master Course on Aging Skin; November 2011; New Delhi, India.

Munavalli GS. Long term effect & impact of different kinds of lasers: experience sharing. The Association of Plastic Surgeons of India; November 2011; New Delhi, India.

Munavalli GS, Weiss RA. Advanced patient sclerotherapy and other vein treatments. Patient demonstration performed at: 2011 American Society for Dermatologic Surgery Annual Meeting; November 2011; Washington, DC.

Hsu JT, **Munavalli GS**. Core curriculum in cosmetic dermatologic surgery: veins. Presented at: 2011 American Society for Dermatologic Surgery Annual Meeting; November 2011; Washington, DC.

Munavalli GS. Spotlight Lecturer. Which lasers are more useful for the plastic surgeon? presented at: Italian Society of Plastic Surgery Congress; September 2011; Milan, Italy.

Munavalli GS. Information technology in the office. Presented at: Pennsylvania Academy of Dermatology Meeting; September 2011; Hershey, PA.

Munavalli GS. Laser surgery. Presented at: Pennsylvania Academy of Dermatology Meeting; September 2011; Hershey, PA.

Munavalli GS. Acne. Presentation given at: Cosmedica- The Cosmetic Medicine Congress; July 2011; Sandton, South Africa.

Munavalli GS. Non-invasive body contouring. Presented at: Cosmedica- The Cosmetic Medicine Congress; July 2011; Sandton, South Africa.

Munavalli GS. Sclerotherapy. Presented at: Cosmedica- The Cosmetic Medicine Congress; July 2011; Sandton, South Africa.

Munavalli GS. Hand rejuvenation. Presented at: Cosmedica- The Cosmetic Medicine Congress; July 2011; Sandton, South Africa.

Munavalli GS. General dermatology. Presented at: Cosmedica- The Cosmetic Medicine Congress; July 2011; Sandton, South Africa.

Munavalli GS. New developments in actinic keratoses/photodynamic therapy. Presented at: Utah Dermatology Society Annual Meeting; April 2011; Moab, UT.

Munavalli GS. The effects of venous disease on the skin. Presented at: Utah Dermatology Society Annual Meeting; April 2011; Moab, UT.

Munavalli GS. UltraPulse™ or not? Presented at: 31st Annual American Society for Laser Medicine and Surgery Conference; April 2011; Grapevine, TX.

Munavalli GS. Sclerotherapy. Presented at: Surgical Complications Symposium. 69th Annual American Academy of Dermatology Meeting; February 2011; New Orleans, LA.

Munavalli GS. Update on treatment of actinic keratosis. Presented at: Colorado Dermatology Society Annual Meeting; September 2010; Englewood, CO.

Munavalli GS. Phlebology for the dermatologist. Presented at: Colorado Dermatology Society Annual Meeting; September 2010; Englewood, CO.

Munavalli GS, Silapunt S. Sclerotherapy. Presented at: 68th Annual American Academy of Dermatology Meeting; February 2010; Miami, FL.

Munavalli GS. Sclerotherapy. Presented at: Surgical Complications Symposium. 68th Annual American Academy of Dermatology Meeting; February 2010; Miami, FL.

Munavalli GS. Young physician pearls and pitfalls forum: a survival guide for the first 10 years. Presented at: 68th Annual American Academy of Dermatology Meeting; February 2010; Miami, FL.

Munavalli GS. Intraoral access for volumetric correction of the upper face. Presented at: 41st Annual American College of Mohs Micrographic Surgery and Cutaneous Oncology Meeting; May 2009; Austin, TX.

Munavalli GS. Advances in treatment of actinic keratosis. Presented at: South Carolina Dermatology Society Annual Meeting; April 2009; Charleston, SC.

Munavalli GS. Evolving field treatment of actinic keratosis. Presented at: Tennessee Dermatology Society Annual Meeting; October 2008; Nashville, TN.

Munavalli GS. Photodynamic therapy: an update. Presented at: North Carolina Dermatology Association Summer Meeting; July 2008; Hot Springs, VA.

Munavalli GS. Reconstructive techniques for Mohs defects. Presented at: South African Dermatologic Society Meeting; August 2008; Cape Town, South Africa.

Munavalli GS. Endovenous ablation. Presented at: South African Dermatologic Society Meeting; August 2008; Cape Town, South Africa.

Munavalli GS. What's new in fractional resurfacing. Presented at: South African Dermatologic Society Meeting; August 2008; Cape Town, South Africa.

Munavalli GS. Complete facial rejuvenation using PDT, IPL, and fractional resurfacing. Presented at: Alabama Dermatology Society: Dermatology on the Beach Meeting; June 2008; Sandestin, FL.

Munavalli GS. Pharmacoeconomics of photodynamic therapy. Presented at: Photodynamic Therapy Symposium. 66th Annual American Academy of Dermatology Meeting; February 2008; San Antonio, TX.

Munavalli GS. Lasers for the treatment of acne. Presented at: Laser Pearls Symposium. 66th Annual American Academy of Dermatology Meeting; February 2008; San Antonio, TX.

Munavalli GS. Light & veins- when is laser a better choice? Presented at: Sclerotherapy Symposium. 66th Annual American Academy of Dermatology Meeting; February 2008; San Antonio, TX.

Munavalli GS. New endovenous laser closure techniques. Presented at: Advanced Cosmetic Surgery Symposium. 66th Annual American Academy of Dermatology Meeting; February 2008; San Antonio, TX.

Munavalli GS. New advancements in lasers and other light technologies. Presented at: 2007 American Society for Dermatologic Surgery Annual Meeting; October 2007; Chicago, IL.

Beer KR, Bhatia A, **Munavalli GS**. Technology for the dermasurgeon. Presented at: 2007 American Society for Dermatologic Surgery Annual Meeting; October 2007; Chicago, IL.

Munavalli GS. Hand sclerotherapy. Presented at: International Society for Dermatologic Surgery Annual Meeting; October 2007; Venice, Italy.

Munavalli GS. Sclerotherapy complications. Presented at: International Society for Dermatologic Surgery Annual Meeting; October 2007; Venice, Italy.

Munavalli GS. Sclerotherapy & vein surgery. Presented at: What's New in Dermatologic Surgery Symposium. International Society for Dermatologic Surgery Annual Meeting; October 2007; Venice, Italy.

Munavalli GS. IPL + radiofrequency: truth and reality of clinical efficacy of IPL. Presented at: International Society for Dermatologic Surgery Annual Meeting; October 2007; Venice, Italy.

Munavalli GS. Co-Moderator: Nistopathology Diagnostic Quality Control Session. Presented at: 39th Annual American College of Mohs Micrographic Surgery and Cutaneous Oncology Meeting; May 2007; Naples, FL.

Munavalli GS. Endovenous Technology Workshop. Presented at: 27th Annual American Society for Laser Medicine and Surgery Conference; April 2007; Grapevine, TX.

Bhatia A, **Munavalli GS**. Electronic health records- real people, real world. Presented at: Computers in Dermatology Symposium. 65th Annual American Academy of Dermatology Meeting; February 2007; Washington, DC.

Bhatia A, **Munavalli GS**. Practice management and practice website integration: you can do it too! Presented at: Computers in Dermatology Symposium. 65th Annual American Academy of Dermatology Meeting; February 2007; Washington, DC.

Munavalli GS. Post-auricular pull-through flap for repair of conchal defects. Presented at: 2006 American Society for Dermatologic Surgery Annual Meeting; October 2006; Palm Desert, CA.

Munavalli GS. Variants of squamous cell carcinoma with clinical and histopathology correlation. Presented at: Histopathology for the Mohs Surgeon Scientific Session. 2006 American Society for Dermatologic Surgery Annual Meeting; October 2006; Palm Desert, CA.

Munavalli GS. Treatment of telangiectasia and skin texture in Asian skin with lasers/light devices. Presented at: 64th Annual American Academy of Dermatology Meeting; March 2006; San Francisco, CA.

Munavalli GS. Dermatology resources for the electronic health record. Presented at: 64th Annual American Academy of Dermatology Meeting; March 2006; San Francisco, CA.

Munavalli GS. Advances in tissue tightening technology. Presented at: 1st Annual German Society for Dermatologic Surgery Meeting; November 2005; Frankfurt, Germany.

Munavalli GS. New technologies for the treatment of venous disease. Presented at: American Academy of Dermatology Summer Meeting; July 2005; Chicago, IL.

Munavalli GS. Transposition and rotation flaps for facial reconstruction. Presented at: 2005 American Society for Dermatologic Surgery Annual Meeting; May 2005; Palo Alto, CA.

Munavalli GS. The next step course: advanced dermatologic surgery techniques. Presented at: Stanford University School of Medicine; May 2005; Palo Alto, CA.

Munavalli GS. Photorejuvenation and treatment of photoaging. Presented at: Australian Society of Cosmetic Surgery; May 2005; Gold Coast, Australia.

Munavalli GS. Basics and surgical procedure of tissue tightening. Presented at: Wintermeeting European Academy of Facial Plastic Surgery; March 2005; Lech, Austria.

Munavalli GS. Physician assistant boards: dermatology section comprehensive review. Presented at: Emory University Physician Assistant Program; August 2001; Atlanta, GA.

Abstracts/Posters - National Meetings:

Beer K, Callender VD, Fagien S, **Munavalli GS**, Fabi S, Sadick N, Orejudos A, Gallagher CJ. ATX-101 (Deoxycholic Acid Injection) Leads to Clinically Meaningful Improvement in Submental Fat: Final Data From (CONTOUR). Presented at: American Academy of Dermatology (AAD) - 76th Annual American Academy of Dermatology Meeting; February 2018; San Diego, CA.

Kavali CM, **Munavalli GS**, Nikolis A, Yoelin S, Beer K, Schlessinger J, Chen J, Gallagher CJ, Patel RK. Insights From the Condition of Submental Fullness and Treatment Outcomes Registry (CONTOUR) Evaluating Real-world Treatment of Submental Fullness. Presented at: The AMEC Live & VISAGE Joint Meeting; September 2017; Monte-Carlo, Monaco.

Munavalli, GS. Treatment of Radiation Tattoos with a Platform-Based QS Nd:YAG 1064nm Laser. Presented at: 37th American Society for Laser Medicine and Surgery Annual Conference; April 2017; San Diego, CA.

Kavali CM, **Munavalli GS**, Nikolis A, Yoelin,S, Beer K, Schlessinger J, Chen J, Gallagher CJ, Patel RK. Insights From the Condition of Submental Fullness and Treatment Outcomes Registry (CONTOUR) Evaluating Real-world Treatment of Submental Fullness. Presented at: 19th Annual IMCAS World Congress; January 2017; Paris, France.

Munavalli GS, Bloemgren R, Faupel L, Hee B, Kauver A, Lloyd J, Meyer T, Mitragotri S, Paithankar D. Selective photothermolysis of sebaceous glands for treatment of acne: efficient delivery of gold coated microparticles as chromophores into the sebaceous glands with ultrasound, a human histology study. Presented at: 34th American Society for Laser Medicine and Surgery Annual Conference; April 2014; Phoenix, AZ.

Munavalli GS, Panchaprateep R, Soontrapa K. Effects of low-level laser therapy on dermal papilla cell proliferation and insulin-like growth factor-1 secretion from balding hair follicles. Presented at: 34th American Society for Laser Medicine and Surgery Annual Conference; April 2014; Phoenix, AZ.

Munavalli GS. A multi-center, prospective study on the efficacy and safety of micro-focused ultrasound with visualization for the non-invasive treatment of moderate to severe facial acne. Presented at: 34th American Society for Laser Medicine and Surgery Annual Conference; April 2014; Phoenix, AZ.

Munavalli GS. Device treatment for acne scarring. Presented at: Controversies and Conversations in Laser and Cosmetic Surgery; August 2013; Dana Point, CA.

Munavalli GS. Cryolipolysis for the treatment of male pseudogynecomastia. Presented at: 33rd American Society for Laser Medicine and Surgery Annual Conference; April 2013; Boston, MA.

Munavalli GS. Single-center, prospective study on the efficacy and safety of micro-focused ultrasound with visualization for the non-invasive treatment of moderate to severe facial acne. Presented at: 33rd American Society for Laser Medicine and Surgery Annual Conference; April 2013; Boston, MA.

Munavalli GS. Fractional bipolar radiofrequency delivered through a vacuum-assisted, microneedle array for the treatment of acne scarring: a pilot study. Presented at: 31st American Society for Laser Medicine and Surgery Annual Conference; April 2011; Grapevine, TX.

Munavalli GS, Silapunt S. A histologic comparison of pulsed CO₂ modes in human skin. Presented at: 2010 American Society for Dermatologic Surgery Annual Meeting; October 2010; Chicago, IL.

Munavalli GS, Weiss RA. Photopneumatic therapy for enhancing the absorption of 20% topical 5-aminolevulinic acid. Presented at: 2007 American Society for Dermatologic Surgery Annual Meeting; October 2007; Chicago, IL.

Weiss RA, Weiss MA, Beasley KL, **Munavalli GS**. Pre-treatment with deeper dermal infrared improves clinical results with fractional resurfacing. Presented at: 2007 American Society for Dermatologic Surgery Annual Meeting; October 2007; Chicago, IL.

Munavalli GS, Gold M, Trolius A, Goldberg DJ, Sadick NS, Nestor MS. PDT of non-facial skin. Presented at: International Society for Dermatologic Surgery; October 2007; Venice, Italy.

Munavalli GS, Gold M, Trolius A, Goldberg DJ, Sadick NS, Nestor MS. PPX for acne - the American experience & acne laser overview. Presented at: International Society for Dermatologic Surgery; October 2007; Venice, Italy

Munavalli GS, Weiss RA. Rapid acne regression using photopneumatic (PPX) therapy. Presented at: 27th American Society for Laser Medicine and Surgery Annual Conference; April 2007; Grapevine, TX.

Munavalli GS, Weiss RA. The novel use of a dynamic, cryogen cooled, large spot pulsed light device for the treatment of non-facial photoaged skin. Presented at: 27th American Society for Laser Medicine and Surgery Annual Conference; April 2007; Grapevine, TX.

Weiss RA, Beasley KL, Dover J, Katz B, **Munavalli GS**, Zachary C. Laser Pearls Forum. Presented at: 65th Annual American Academy of Dermatology Meeting; February 2007; Washington, DC.

Bene NI, Beasley KL, Gold M, **Munavalli GS**, Weiss RA. A novel 1440nm laser delivered by microarray lenses for treatment of scars and rhytides: prospective clinical trial. Presented at: 2006 American Society for Dermatologic Surgery Annual Meeting; October 2006; Palm Desert, CA.

Munavalli GS, Bhatia A, Weiss RA. The novel use of a dynamic cooled, large spot pulsed light device for the treatment of nonfacial photoaged skin. Presented at: 2006 American Society for Dermatologic Surgery Annual Meeting; October 2006; Palm Desert, CA.

Bene NI, Weiss MA, Beasley KL, **Munavalli GS**, Weiss RA. Comparison of histological features of 1550nm fractional resurfacing and microlens array scattering of 1440nm. Presented at: 26th American Society for Laser Medicine and Surgery Annual Conference; April 2006; Boston, MA.

Weiss RA, **Munavalli GS**, Beasley KL, Weiss MA. Monopolar radiofrequency for skin tightening- changing parameters and clinical safety. Presented at: 26th American Society for Laser Medicine and Surgery Annual Conference; April 2006; Boston, MA.

Munavalli GS, Weiss RA. A novel pulse format for 595nm pulsed dye laser to reduce purpura: clinical results with facial and leg telangiectasia- video of technique. Presented at: 25th American Society for Laser Medicine and Surgery Annual Conference; March 2005; Lake Buena Vista, FL.

Munavalli GS, Weiss RA. 532nm Nd:YAG green for photorejuvenation: video demonstration of green light 90 second photofacial. Presented at: 25th American Society for Laser Medicine and Surgery Annual Conference; March 2005; Lake Buena Vista, FL.

Munavalli GS, Weiss RA. Comparison of endovenous saphenous vein obliteration techniques: 810nm vs. 1320nm vs. radiofrequency. Presented at: 25th American Society for Laser Medicine and Surgery Annual Conference; March 2005; Lake Buena Vista, FL.

Munavalli GS, Bhatia CA, Washington CV, McCall CO, Hood AF. An innovation in histopathologic training and quality assessment for Mohs micrographic surgery. Presented at: ASDS/ACMS Meeting; October 2002; Chicago, IL.

Bhatia AC, **Munavalli GS**, Tanzi EL, Alster TA. Experience with documenting laser procedure encounter information utilizing handheld computer technology. Presented at: ASDS/ACMS Meeting; October 2002; Chicago, IL.

Munavalli GS, Bhatia AC, Alster TA, Zachary CB, Grekin, RC. Utilizing handheld computer technology for capturing cosmetic procedure encounter data. Presented at: ASDS/ACMS Meeting; October 2002; Chicago, IL.

Munavalli GS, Cowper SE. HistoView: a complete authoring and viewing package for internet-based streaming image education. Presented at: Advanced Pathology Informatics, Imaging, and the Internet (APIII) Annual Conference; October 2002; Pittsburgh, PA.

Dover JS, Arndt KA, **Munavalli GS**, Bhatia AC, Tanzi E, Weiss RA, Alster TA. A novel solution for capturing laser procedure encounter information. Presented at: Controversies and Conversations in Laser and Cosmetic Surgery; August 2002; Ojai, CA.

Munavalli GS. What's new on the internet for dermatology. Presented at: Live Internet Teleconference Cosmetic Dermatology Seminar; May 2002; Del Coronado, CA.

Munavalli GS. Internet resources: an academic dermatologist's perspective. Presented at: 27th Hawaii Dermatology Seminar; 2002 Feb 16-22; Maui, HI. Sponsored by Skin Disease Education Foundation.

Munavalli GS, Bhatia AC, McCall CO, Hardy H, Hood AF, Dee F, Cowper SE. Virtual dermatopathology revisited: a quantum leap in techniques for teaching dermatopathology via the internet. Presented at: 60th Annual American Academy of Dermatology Meeting; February 2002; New Orleans, LA.

Bhatia AC, **Munavalli GS**, Washington CV, Hood AF, Brodell RA. A resident developed suite of original handheld computer applications for learning dermatology. Presented at: 60th Annual American Academy of Dermatology Meeting; February 2002; New Orleans, LA.

Munavalli GS, Bhatia AC, Alam MP, Kostuchenko PJ, Alster TS. A novel solution for capturing laser procedure encounter information. Presented at: 22nd American Society for Lasers in Medicine and Surgery Annual Conference; April 2002; Atlanta, GA.

Munavalli GS. Multi-specialty medical resources available on the internet. Presented at the invitation of: Dean TJ Lawley, MD of Emory Medical School. Emory University School of Medicine Faculty Development Workshop; December 2001; Atlanta, GA.

Bhatia AC, **Munavalli GS**, Kostuchenko P, Garrett A. A novel solution to address the need for documenting surgical procedures. Presented at: ACMS/ASDS Meeting; October 2001; Dallas, TX.

Munavalli GS, Washington CV, Solomon A. Recurrent ossifying fibromyxoid tumor of soft parts arising on the back. Presented at: American Society of Dermatopathology National Conference; September 2001.

Munavalli GS, Solomon A, McCall CO. Creating a novel, systematic way to teach dermatopathology via a web-based computer platform. Presented at: 59th Annual American Academy of Dermatology Meeting; March 2001; Washington, DC.

Munavalli GS, Swerlick RA. Treatment of recalcitrant Grover's disease with isotretinoin (13-cis-retanoic acid): experiences with two patients. Presented at: Georgia Dermatology Association Annual Conference; June 1999; Sea Island, GA.

Ray R, Broomfield CA, **Munavalli GS**, Majerus BJ. In vitro studies on the mechanism of sulfur mustard using a human keratinocyte cell culture model. Presented at: International Conference of Experimental Biology Annual Meeting; May 1993; New Orleans, LA.

MEDIA RESOURCES & EDUCATIONAL MATERIALS

Co-founder, Derm Education Foundation, a 501(c)(3) accredited Not for Profit Foundation for enhancing Dermatology and Dermatologic Surgery Education, Gurnee, IL. Founded 2003.

Co-founder, www.CME.md, an online continuing medical education resource for Dermatology and Dermatologic Surgery

RELATED WORK EXPERIENCE

Laboratory Research:

Johns Hopkins University Bloomberg School of Public Health and Hygiene
Masters of Health Sciences in Immunology and Infectious Disease, Baltimore, MD. 1993-1994.

- Thesis Work: Developed and isolated polyclonal and monoclonal antibodies to recombinant human acetylcholinesterase using a baculovirus recombinant system.

Student Research Fellowship - U.S. Army Medical Research Institute of Chemical Defense, Aberdeen, MD, Summer 1992, May 1993-July 1994.

- Co-author of two U.S. Army Technical publications.

Student Research Fellowship – Ecole, Polytechnique Federal de Lausanne, Physical Chemistry Department, Lausanne, Switzerland. Summer 1991.

- Performed spectrophotometric experiments to determine chemical intermediates in dye complexes used in piezo-electric cells. Advisor: Dr. Michael Gratzel.

- Student Research Fellowship - Chemical Research Engineering and Development Center, Applied Chemistry Branch, Edgewood, MD, (May-August, December 1987-1990).

HONORS & AWARDS

Alpha Omega Alpha National Medical Honor Society – Junior Year of Medical School (1997)

Morehouse School of Medicine Departmental Honors Awards: Physiology, Anatomy, Histology, Biochemistry, Pharmacology, Microbiology, Pathology (1996)

McGraw-Hill Academic Excellence Award – (1998)

Pfizer Pharmaceutical Corporation – Academic Scholarship (1998)

Alpha Phi Omega National Honor Society – Excellence in Service Award (1994)

