

MICHAEL ABROUK MD

curriculum vitae



(805) 279-8755



drabrouk@gmail.com



Miami



@drabrouk



michaelabrouk



Abrouk M



michaelabroukMD

EDUCATION & TRAINING

- Harvard/Massachusetts General Hospital** 2021 - 2022
Cosmetic Dermatologic Surgery & Laser Fellow
Dermatology Laser and Cosmetic / Wellman Center for Photomedicine
- University of Miami Dermatology & Cutaneous Surgery** 2018 - 2021
Dermatology Residency
Dr. Phillip Frost Department of Dermatology & Cutaneous Surgery
- Harbor UCLA Medical Center** 2017 - 2018
Residency Intern Year
- University of California San Francisco School of Medicine** 2015 - 2016
Department of Dermatology Research Fellow
UCSF Psoriasis & Skin Treatment Center
John Koo MD, Tina Bhutani MD, Wilson Liao MD, Sarah Arron MD PhD
- University of California Irvine School of Medicine** 2012 - 2017
M.D. Degree
- University of California Santa Barbara** 2008 - 2012
B.S. Molecular, Cellular, and Developmental Biology
Summa Cum Laude, Research Distinction in the Biological Sciences

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

FACULTY & EMPLOYMENT

Skin Associates of South Florida

2022 - Present

Dermatologist
Coral Gables, FL

Harvard/Massachusetts General Hospital

2021 - 2022

Harvard Department of Dermatology Medical Dermatology Faculty
Massachusetts General Hospital, Boston MA

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

SELECT MANUSCRIPTS

1. Medical and aesthetic improvement of photodamaged skin by the combination of intense pulsed light and photodynamic therapy with 10% aminolevulinic acid hydrochloride gel. *Lasers Surg Med.* 2022. PMID: 34324724. **Abrouk M**, Dong J, Waibel JS.
2. Analysis of port-wine birthmark vascular characteristics by location: Utility of optical coherence tomography mapping. Jordan V Wang, MD, MBE, MBA; Joseph N Mehrabi, MD; Michael **Abrouk**, MD; Hyemin Pomerantz, MD; Anton M Palma, PhD, MPH; Christopher B Zachary, MBBS, FRCP; Jill S Waibel, MD; Kristen M Kelly, MD; Roy G Geronemus, MD. *Lasers in Surgery and Medicine* 2022
3. Prospective study of intense pulsed light versus pulsed dye laser with or without blue light in the activation of PDT for the treatment of actinic keratosis and photodamage. Michael **Abrouk**, Chloe Gianatasio, Yumeng Li, Jill S Waibel. *Lasers in Surgery and Medicine* 2022 <https://doi.org/10.1002/lsm.23492>
4. Relation of port-wine birthmark color to vascular characteristics as measured by dynamic optical coherence tomography. Joseph N. Mehrabi, Jon Holmes, Michael **Abrouk**, Jordan V. Wang, Hyemin Pomerantz, Anton M. Palma, Christopher B. Zachary, Roy G. Geronemus, Jill S. Waibel, Kristen M. Kelly MD. *Journal of the American Academy of Dermatology* 2021
5. Technology-Based Postural Apparel as a Sustainable and Cost-Effective Solution to Musculoskeletal Pain and Injury in the Dermatologic Surgeon. *Dermatol Surg.* 2021 Sep 01; 47(9):1326-1328. PMID: 33988548. Leonart E, **Abrouk M**, Dong J, Chesnut C.
6. An Atlas of Optical Coherence Tomography: Elucidating In Vivo Differences of Scar Types Using OCT in Order to Guide Laser Treatment Parameters
Michael **Abrouk**, Chloe Gianatasio, Yumeng Li, Jon Holmes, Jill S Waibel
Lasers in Surgery and Medicine 2021 (submitted)
7. Erosive pustular dermatosis after CO2 laser resurfacing in mother and daughter
Michael **Abrouk**, Natalie Williams, Robert Kirsner. *Dermatol Ther.* 2020 11; 33(6):e14306. PMID: 32930486.
8. Successful management of disseminated and disfiguring silicone granulomatosis and associated Autoimmune Syndrome Induced by Adjuvants (ASIA) as a

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

complication of illicit filler use. Michael **Abrouk**, Merrick Brodsky, Marlyanne Pol-Rodriguez, Teo Soleymani. Dermatologic Surgery 2021

9. Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis: A Pilot Study. Michael **Abrouk**, Suzanne Kilmer, Thomas Fiala, Jill S Waibel. Dermatologic Surgery 2021 (submitted)
10. Primary Dermal Melanoma: A Review for Dermatologists. **Abrouk M**, Brodsky M, T Soleymani. JAMA Dermatology 2021 (submitted)
11. Treatment Approaches for Treating Hypertrophic Scars and Keloids. Michael **Abrouk**, Jill S Waibel. Dermatological Reviews 2020
12. Novel Treatment of Calcifications from Dermatomyositis with Picosecond and CO2 Laser. Michael **Abrouk**, Yasmine Nousari, Jill S Waibel. Journal of the American Academy of Dermatology 2020
13. Use of Kinesiology Tape in Dermatologic Surgery to Improve Surgeon Posture and Decrease Long-Term Strain and Injury. **Abrouk M**, Dong J, Chesnut C. Dermatologic Surgery 2020
14. Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis: FDA Approval Study. Michael **Abrouk**, Suzanne Kilmer, Thomas Fiala, Jill S Waibel. JAMA Dermatology 2021 (submitted)
15. Reply to Letter to the Editor: Management of advanced or metastatic cancer with checkpoint inhibitors and concurrent paradoxical development of new superficial tumors. **Abrouk M**, Soleymani T. Journal of the American Academy of Dermatology 2020
16. Comment on Achieving Painless Anesthesia. S Resnik, Michael **Abrouk**, M Zaiac. Journal of the American Academy of Dermatology 2020
17. COVID19 Supply Chain Considerations for Prescription Drugs in Dermatology Andjela Egger, Michael **Abrouk**, Robert Kirsner. J Drugs Dermatol. 2020 Jun 01; 19(6):666-667. PMID: 32574019.
<https://jddonline.com/articles/dermatology/S1545961620P0666X>
18. Telemedicine Platforms Used in Academic Dermatology During the COVID-19 Pandemic. Beer J, **Abrouk M**, Kirsner R. Journal of Drugs in Dermatology

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

2020

19. Sunscreen Controversies: A Practical Approach. Am J Med. 2020 12; 133(12):1378-1379. PMID: 32681830. Joshua Fox, Michael **Abrouk**, Robert Kirsner.
20. Use of Percussive Therapy in Dermatologic Surgery to Improve Surgeon Posture and Decrease Long-Term Strain and Injury. **Abrouk** M, Dong J, Chesnut C. Dermatologic Surgery 2020 (submitted)
21. Maintaining Resident Wellness and Education Through COVID19
Andjela Egger, Michael **Abrouk**, Robert Kirsner. Journal of the American Academy of Dermatology 2020 (submitted)
22. Cutaneous Manifestations of High Intensity Interval Training
Michael **Abrouk**, Shireen Golpanian, Gil Yosipovitch. Journal of the European Academy of Dermatology and Venereology 2020.
<https://www.ncbi.nlm.nih.gov/pubmed/32348579>
23. Evidenced-based best practice advice for patients treated with systemic immunosuppressants in relation to COVID-19. Fabrizio Galimberti, Marina Li, Megan Cronin, Michael **Abrouk**, Joshua Fox, Robert Kirsner. Clinics in Dermatology 2020
<https://pubmed.ncbi.nlm.nih.gov/32419721>
24. US Dermatology Resident Responses About the COVID-19 Pandemic: Results from a Nation-Wide Survey Yumeng M Li, Fabrizio Galimberti, Michael **Abrouk**, Robert S. Kirsner. Southern Medical Journal
25. Historical Perspective of the Paramedian Forehead Flap for Nasal Reconstruction and its Modern Day Use in Dermatologic Surgery. Michael **Abrouk**, Merrick Brodsky, Teo Soleymani. Journal of the American Academy of Dermatology 2020 (submitted)
26. Cohort Study: Oral Minoxidil for Androgenetic Alopecia Heart Rate Monitoring with Apple Watch. Michael **Abrouk**, Andjela Egger, Srikanth Krishnan, Waleed Al-Salhi, Fabrizio Galimberti, Antonella Tosti. Journal of the American Academy of Dermatology 2020 (submitted)
27. Comparing Dynamic Cooling Device (DCD) to Contact Cooling (CC) with 5th Generation Pulsed Dye Laser (PDL) on Post Inflammatory Redness of Surgical Breast Scars. Michael **Abrouk**, Andjela Egger, Jill S Waibel. Dermatologic Surgery 2020 (submitted)

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

28. Comparing Dynamic Cooling Device (DCD) to Contact Cooling (CC) with 5th Generation Pulsed Dye Laser (PDL) on Post Inflammatory Erythema of Acne Scars. Michael **Abrouk**, Andjela Egger, Jill S Waibel. *Dermatologic Surgery* 2020 (submitted)
29. *Risk of cutaneous squamous cell carcinoma after treatment of basal cell carcinoma with vismodegib*. Tina Bhutani, Michael **Abrouk**, Camelia Sima, Natalia Sadetsky, Lisa Wang, Jeannie Hou, Ivor Caro, Mary-Margaret Chren, Sarah T. Arron. *Journal of the American Academy of Dermatology* 2017.
<https://www.ncbi.nlm.nih.gov/pubmed/28780365>
30. *Gaps in Choice, Transparency, Coordination, and Quality among Direct-to-Consumer Telemedicine Sites Treating Skin Disease*. Jack S. Resneck, Jr, Michael **Abrouk**, Meredith Steuer, Andrew Tamb; Adam Yen, Ivy Lee, Carrie L. Kovarik, Karen E. Ediso. *JAMA Dermatology* 2016.
<https://www.ncbi.nlm.nih.gov/pubmed/27180232>
31. *Successful use of a modified Goeckerman regimen in the treatment of chronic, severe atopic dermatitis: A Prospective Pilot Study*. Farahnik B, Beroukhim K, Zhu T, **Abrouk** M, Nakamura M, Singh R, Lee K, Bhutani T, Koo J. *Journal of the American Academy of Dermatology* 2016.
<https://www.ncbi.nlm.nih.gov/pubmed/27745637>
32. *Erythrodermic psoriasis: pathophysiology and current treatment perspectives*. Singh RK, Lee KM, Ucmak D, Atanelov Z, Brodsky M, Farahnik B, **Abrouk** M, Nakamura M, Zhu TH, Bhutani T, Liao W. *Psoriasis* 2016.
<https://www.ncbi.nlm.nih.gov/pubmed/28856115>
33. *Influence of diet on gut microbiota and implications for human health*. Singh RK, Chang HW, Lee KM, Ucmak D, **Abrouk** M, Farahnik B, Nakamura M, Zhu TH, Bhutani T, Liao W. *Journal of Translational Medicine* 2017
<https://www.ncbi.nlm.nih.gov/pubmed/28388917>
34. *Anti-IL-17 agents for psoriasis: A review of phase III data*. Farahnik B, Beroukhim K, Nakamura M, **Abrouk** M, Zhu TH, Singh R, Lee K, Bhutani T, Koo J. *Journal of Drugs in Dermatology* 2016. <https://www.ncbi.nlm.nih.gov/pubmed/26954316>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

35. *Ixekizumab for the Treatment of Psoriasis: A Review of Phase III Trials*. Farahnik B, Beroukhim K, Nakamura M, **Abrouk M**, Zhu TH, Singh R, Lee K, Bhutani T, Koo J. *Dermatology and Therapy* 2016. <https://www.ncbi.nlm.nih.gov/pubmed/26910853>
36. *Psoriasis treatment in HIV-positive patients: a systematic review of systemic immunosuppressive therapies*. Mio Nakamura, Michael **Abrouk**, Benjamin Farahnik, Tian Hao Zhu, Tina Bhutani. *Cutis* 2018
<https://www.ncbi.nlm.nih.gov/pubmed/29529104>
37. *Demyelinating Disorders Secondary to TNF-inhibitor Therapy for the Treatment of Psoriasis: A Review*. Zhu TH, M Nakamura, **Abrouk M**, Farahnik B, Koo J, Bhutani T. *Journal of Dermatological Treatment* 2016.
<https://www.ncbi.nlm.nih.gov/pubmed/26837667>
38. *Considerations on Biologic Agents in Psoriasis with the new Pregnancy Lactation Labeling Rule*. **Abrouk M**, Beroukhim K, Nakamura M, Zhu TH, Farahnik B, Singh R, Lee K, Koo J, Bhutani T. *International Journal of the Women's Dermatology* 2017.
<https://www.ncbi.nlm.nih.gov/pubmed/28492043>
39. *Laser therapy for cutaneous sarcoidosis: A review*. *J Surg Dermatol*. 2016; 1(1). Soleymani T, **Abrouk M**.
<https://pdfs.semanticscholar.org/24fd/df1cc15ebf45ec1174c7ea7e9dfed2f63695.pdf>
40. *The role of IL-17 in vitiligo: A review*. Singh RK, Lee KM, Vujkovic-Cvijin I, Ucmak D, Farahnik B, **Abrouk M**, Nakamura M, Zhu TH, Bhutani T, Wei M, Liao W, *Autoimmunity Reviews* 2016. <https://www.ncbi.nlm.nih.gov/pubmed/26804758>
41. *The Role of the Nervous System in the Pathophysiology of Psoriasis: A Review of Cases of Psoriasis Remission or Improvement Following Denervation Injury*. Zhu TH, Nakamura M, Farahnik B, **Abrouk M**, Lee K, Singh R, Gevorgyan A, Koo J, Bhutani T. *American Journal of Clinical Dermatology* 2016.
<https://www.ncbi.nlm.nih.gov/pubmed/26935938>
42. *Impact of the Pregnancy and Lactation Labeling Rule (PLLR) on Practicing Dermatologists*. Beroukhim K, **Abrouk M**, Farahnik B. *Dermatol Online J*. 2015. PMID: 26632938. <https://www.ncbi.nlm.nih.gov/pubmed/26632938>
43. *Does the Dermatology Life Quality Index Correlate with the Psoriasis Area Severity Index?* Leon A, Beroukhim K, Danesh M, Nguyen C, Lee K, Farahnik B, Zhu TH,

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Abrouk M, Wang E, Malakouti M, Brown G, Levin E, Koo J. Journal of Psoriasis and Psoriatic Arthritis 2015.

<https://journals.sagepub.com/doi/full/10.1177/247553031500100104>

44. *Improvement in Quality of Life in Patients with Moderate to Severe Psoriasis Treated with Adalimumab or Ustekinumab.* Nakamura M, Lee K, Farahnik B, **Abrouk M**, Koo J. Journal of Psoriasis and Psoriatic Arthritis 2015.

<https://journals.sagepub.com/doi/full/10.1177/247553031600100405>

45. *An Analysis of Laser Therapy for the Treatment of Nonmelanoma Skin Cancer.* Soleymani T, **Abrouk M**, Kelly KM. Dermatol Surgery 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/28195845>

46. *Acne, the new trend? A discussion of the emerging social movement to embrace acne vulgaris.* **Abrouk M**, Maderal A. *Int J Dermatol.* 2020 Oct; 59(10):1276-1277. PMID: 32506439.

47. *A Recalcitrant Case of "Toxic Epidermal Necrolysis".* James Song, Michael **Abrouk**, Kenneth G Linden. *Cutis* 2018. <https://www.ncbi.nlm.nih.gov/pubmed/29718031>

48. *Breast Microsurgery in Plastic Surgery Literature: A 21-Year Analysis of Publication Trends.* Daly LT, Mowlds D, Brodsky MA, **Abrouk M**, Gandy JR, Wirth GA. *J Reconstr Microsurg.* 2016. PMID: 26645157.

<https://www.ncbi.nlm.nih.gov/pubmed/26645157>

49. *Impact of metabolic syndrome on perioperative complication rates after total joint arthroplasty surgery.* Gage MJ, Schwarzkopf R, **Abrouk M**, Slover JD. *J Arthroplasty.* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/24851795>

50. *Stem cells in plastic surgery: a review of current clinical and translational applications.* Salibian AA, Widgerow AD, **Abrouk M**, Evans GR. *Arch Plast Surg.* 2013. PMID: 24286038. <https://www.ncbi.nlm.nih.gov/pubmed/24286038>

51. *The Patient's Guide to Psoriasis Treatment. Part 1: UVB Phototherapy.* Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani, Wilson Liao.

<https://www.ncbi.nlm.nih.gov/pubmed/27474029>

MICHAEL ABROUK MD



(805) 279-8755



drabrouk@gmail.com



Boston, MA

52. *The Patient's Guide to Psoriasis Treatment. Part 2: PUVA Phototherapy.* Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, Margareth Jose, John Koo, Tina Bhutani, Wilson Liao. <https://www.ncbi.nlm.nih.gov/pubmed/27474030>
53. *The Patient's Guide to Psoriasis Treatment. Part 3: Biologic Injectables.* Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, Margareth Jose, John Koo, Tina Bhutani, Wilson Liao. <https://www.ncbi.nlm.nih.gov/pubmed/27474031>
54. *The Patient's Guide to Psoriasis Treatment. Part 4: Goeckerman Therapy.* Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, Margareth Jose, John Koo, Tina Bhutani, Wilson Liao. <https://www.ncbi.nlm.nih.gov/pubmed/27474032>
55. *Brodalumab, an Anti-IL-17 agent for psoriasis: A review of phase III data.* Farahnik B, Beroukhim K, Nakamura M, **Abrouk** M, Zhu TH, Singh R, Lee K, Bhutani T, Koo J. 2016 *Dermatology and Therapy*. <https://www.ncbi.nlm.nih.gov/pubmed/27221323>
56. *Update on the Systemic Risks of Superpotent Topical Steroids.* Mio Nakamura, Michael **Abrouk**, Henry Zhu, Benjamin Farahnik, John Koo, Tina Bhutani. *Journal of Drugs and Dermatology* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28697215>
57. *Combining biologic and phototherapy treatments for psoriasis: safety, efficacy, and patient acceptability.* Farahnik B, Patel V, Beroukhim K, Nakamura M, Zhu T, **Abrouk** M, Singh R, Lee K, Bhutani T, Koo J. *Psoriasis* 2016. <https://www.ncbi.nlm.nih.gov/pubmed/29387597>
58. *Revisiting the History and Importance of Phototherapy in Dermatology.* M Brodsky, M **Abrouk**, P Lee, K Kelly. *JAMA Dermatology* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28492838>
59. *Ethnicity affects the presenting severity of psoriasis.* M **Abrouk**, Nakamura M, Zhu TH, B Farahnik, R Singh, K Lee Bhutani T, Liao W *JAAD* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28619563>
60. *The Impact of PASI 75 and PASI 90 on Quality of Life in Moderate to Severe*

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Psoriasis Patients. M **Abrouk**, M Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani. *Journal of Dermatologic Treatment* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28042711>

61. *Secukinumab in the Treatment of Psoriasis and Psoriatic Arthritis: A Review of the Literature*. M **Abrouk**, M Nakamura, Tian Hao Zhu³, Benjamin Farahnik⁴, Rasnik Singh, Kristina Lee², John Koo², Tina Bhutani². *Skin Therapy Letter* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28732152>

62. *Apremilast treatment of atopic dermatitis and other chronic eczematous dermatoses*. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani, Tien Nguyen Kanade Shinkai, *JAAD* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28619562>

63. *Excimer Laser for the Treatment of Psoriasis: Safety, Efficacy, and Patient Acceptability*. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani. *Psoriasis* 2016 <https://www.ncbi.nlm.nih.gov/pubmed/29387603>

64. *Eczema as an Adverse Effect of Anti-TNF α Therapy in Psoriasis and Other Th1-Mediated Diseases: a Review*. Nakamura M, Lee L, Singh K, Zhu TH, **Abrouk** M, Farahnik B, Koo J, Bhutani T. *Journal of Dermatologic Treatment* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/27571340>

65. *Obsessive-compulsive skin disorders: a novel classification based on degree of insight*. Zhu TH, Nakamura M, Farahnik B, **Abrouk** M, Reichenberg J, Bhutani T, Koo J. *Journal of Dermatologic Treatment* 2017 <https://www.ncbi.nlm.nih.gov/pubmed/27658538>

66. *Use of an Oral Phosphodiesterase-4 Inhibitor (Apremilast) for the Treatment of Chronic, Severe Atopic Dermatitis: A Case Report*. Farahnik B, **Abrouk** M, Nakamura M, Zhu T, Singh R, Lee K, Bhutani T, Koo J, Liao W. *DOJ* 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28537861>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

TEXTBOOKS

1. Lasers in Dermatology – Pearls, Pitfalls, and Protocols, Michael **Abrouk**, Jill S Waibel

Chapters 1-22: Full Textbook

2. Essential Psychiatry for the Aesthetic Provider, Michael **Abrouk**, Jill S Waibel

Chapter 4: Aesthetic Assessment & Theories of Beauty

3. Skin cancer: A Comprehensive Guide by McGraw-Hill, 2020. Michael **Abrouk**, Keyvan Nouri

Chapter 64: Skin Cancer and Artificial Intelligence

4. Treatment of Skin Disease: Fifth Edition McGraw-Hill, 2017. Michael **Abrouk**, John Koo

Chapter 211: Psychogenic Excoriation

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

ORAL PRESENTATIONS

- 1. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
TREATMENT OF HYPERTROPHIC PORT WINE BIRTHMARK AND SCARRING WITH COMBINATION FRACTIONAL CO2, PULSED DYE LASER, AND ALEXANDRITE LASER.
Abrouk M, Motosko C, Avram M, Anderson RR (submitted)
- 2. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
THE IMPACT OF MOHS MICROGRAPHIC SURGERY FELLOWSHIP ON THE CLINICAL AND RESEARCH PRODUCTIVITY OF FELLOWS
Motosko C, Abrouk M, Avram M (submitted)
- 3. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
IMPROVEMENT OF CRYOLIPOLYSIS CONTOURING IRREGULARITY WITH ULTRASOUND AND DILUTE CALCIUM HYDROXYLAPATITE
Abrouk M, Motosko C, Wanner M, Avram M (submitted)
- 4. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
CLINICAL CONSIDERATIONS FOR LASER TREATMENT OF HYPETRICHOSIS LANUGINOSA CONGENITA
Abrouk M, Motosko C, Levin Y, Anderson RR (submitted)
- 5. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
“CRYOCHAMBER” MEDSPA INDUCED THERMAL INJURY
Abrouk M, Motosko C, Avram M (submitted)
- 6. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
COMMENTARY ON PHYSICS, SPOT SIZE, PULSE STACKING AND LASER SELECTION FOR THE TREATMENT OF VASCULAR LESIONS
Abrouk M, Motosko C, Avram M (submitted)
- 7. American Society for Laser Medicine and Surgery 2022**
San Diego, CA
EARLY EXPERIENCE WITH TISSUE MICRO-CORING EARLY MARKET

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

EXPERIENCE, SAFETY, AND OUTCOMES

Abrouk M, Motosko C, Avram M (submitted)

8. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Laser Hair Removal Treatment Considerations for Ehlers Danlos Syndrome.

Abrouk M, Motosko C, Avram M (accepted)

9. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Primary Dermal Melanoma: A Comprehensive Review of Etiology, Pathogenesis, and Clinical Prognosis.

Abrouk M, Motosko C, Soleymani T (accepted)

10. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Novel Nasal Alar Reconstruction with Hyaluronic Acid After Mohs Micrographic Surgery and Repair.

Abrouk M, Motosko C, Soleymani T (accepted)

11. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Top Authors in Dermatology in Fellowship by H-Index: A Bibliometric Analysis.

Abrouk M, Motosko C, Avram M (accepted)

12. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Machine Learning Artificial Intelligence Guided Management Robotic Articulated Arm Laser.

Abrouk M, Anderson RR (accepted)

13. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Successful Management of Disseminated and Disfiguring Silicone Granulomatosis

Abrouk M, Motosko C, Soleymani T (accepted)

14. American Academy of Dermatology Annual Meeting 2022

Boston, MA

Laser Hair Removal Treatment Considerations for Ehlers Danlos Syndrome

Abrouk M, Motosko C, Tsao S, Avram M (accepted)

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

15. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Modified Bilobe for Large Neck Dissection with Tumescant Anesthesia
Abrouk M, Motosko C, Tang J
16. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Postherpetic Neuralgia Resulting in Full Neck Ulceration Refractory Traditional Modalities
Abrouk M, Motosko C, Yosipovitch G, Kirsner R
17. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Top Authors in Dermatology Residency and Fellowship by h-index: A Bibliometric Analysis
Abrouk M, Motosko C, Avram M
18. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Current Procedural Terminology (CPT) Codes Used in Dermatologic Surgery by State
Abrouk M, Motosko C, Kirsner R
19. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Use of Percussive Therapy Devices to Decrease Musculoskeletal Discomfort Amongst Dermatologic Surgeons.
Motosko C, Dong J, Abrouk M, Chesnut C
20. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL Virtual
Successful Epidermal Skin Grafting in a Vitiligo Patient
Motosko C, Dong J, Abrouk M, Nouri K
21. **UC Irvine Department of Dermatology Grand Rounds 2021**
Irvine, CA
Building the Future of Device Development
Abrouk M

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

22. TEDxUMiami 2021

Miami, FL

Artificial Intelligence, Technology, & The Future of Medicine

Abrouk M

https://www.ted.com/talks/michael_abrouk_your_algorithm_will_see_you_now

23. University of Miami Dermatology Grand Rounds 2021

Miami, FL

Taking Artificial Intelligence to Market in Dermatology

Abrouk M

24. American Academy of Dermatology Annual Meeting 2021

San Francisco, CA

FDA Approval of Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis

Abrouk M, Waibel JS

25. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD (accepted)

A Novel: Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis

Abrouk M, Waibel JS

26. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD (accepted and recorded)

Comparing the Efficacy and Safety of Q-switched and Picosecond Lasers in the Treatment of Nevus of Ota: A Systematic Review and Meta-Analysis

Abrouk M, Williams N, Nouri K.

27. American Academy of Dermatology Annual Meeting 2020

Denver, CO (accepted)

F029: Advances in Lasers and Light Sources: What's The Truth?"

Michael **Abrouk**, Merete Haedersdal, Roy Geronemus, Vic Ross, Jill Waibel, Rox Anderson

28. American Society for Laser Medicine & Surgery Annual Meeting 2020

Phoenix, AZ (accepted and recorded)

Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis

Abrouk M, Waibel JS

MICHAEL ABROUK MD



(805) 279-8755



drabrouk@gmail.com



Boston, MA

29. **American Society for Laser Medicine & Surgery Annual Meeting 2020**
Phoenix, AZ (accepted and recorded)
Optical Coherence Tomography (OCT) Imaging to Compare Dynamic Cooling Device (DCD) to Contact Cooling with Novel 5th Generation Pulse Dye Laser on Post Inflammatory Redness of Surgical Scars (accepted)
Abrouk M, Waibel JS

30. **Military Health System Research Symposium 2020**
(accepted)
OCT: Elucidating In Vivo Differences of scars, wounds and blood flow in real time to guide treatment of military trauma injuries
Abrouk M, Waibel JS

31. **University of Miami Dermatology Grand Rounds 2020**
Miami, FL
The Future of Telemedicine and Technology in Dermatology
Abrouk M

32. **Celia & Samuel Resnik Research Symposium 2020**
Miami, FL (accepted)
Artificial Intelligence in Mohs Micrographic Surgery
Abrouk M

33. **Dermatology to the Stars Annual Meeting 2020**
Miami, FL (accepted)
The Future of Artificial Intelligence in Dermatology
Abrouk M

34. **SAWC 2019**
Las Vegas, NV
Developments in Telemedicine and Chronic Wound Care
Abrouk M

35. **University of Miami Dermatology Grand Rounds 2019**
Miami, FL
Artificial Intelligence in Dermatology
Abrouk M

36. **Dermatology to the Stars Annual Meeting 2019**
Miami, FL
Technological Moonshots in Dermatology

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Abrouk M

37. American Academy of Dermatology Annual Meeting 2016

Washington, DC

Is Stress Affecting Your Skin?

Abrouk M

38. Association for Psychoneurocutaneous Medicine in North America 2016

Washington, DC

Social Media and The Impact on Body Dysmorphic Disorder

Abrouk M

39. Skin of Color Society Symposium 2016

Washington, DC

Is Race a Factor in Presenting Severity of Psoriasis?

Abrouk M

40. UC Irvine Department of Dermatology Grand Rounds 2016

Irvine, CA

Updates in Clinical Treatment of Linear Porokeratosis

Abrouk M

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

POSTER PRESENTATIONS

1. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Laser Hair Removal Treatment Considerations for Ehlers Danlos Syndrome
Abrouk M, Tsao S
2. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Machine Learning Artificial Intelligence Guided Management Robotic Articulated Arm Laser
Abrouk M, Anderson R
3. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Primary Dermal Melanoma: A comprehensive review of etiology, pathogenesis and clinical prognosis.
Abrouk M, Soleymani T
4. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Top Authors in Dermatology in Fellowship by h-index: A Bibliometric Analysis
Abrouk M
5. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Successful management of disseminated and disfiguring silicone granulomatosis and associated Autoimmune Syndrome Induced by Adjuvants (ASIA) as a complication of illicit filler use.
Abrouk M
6. **American Academy of Dermatology Annual Meeting 2022 (accepted)**
Boston, MA
Novel Nasal Alar Reconstruction with Hyaluronic Acid After Mohs Micrographic Surgery and Repair
Abrouk M, Soleymani T
7. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL
Current Procedural Terminology (CPT) Codes Used in Dermatologic Surgery by

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

State

Abrouk M, Dong J, Motosko C

8. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL
Modified Bilobe for Large Neck Dissection with Tumescant Anesthesia
Abrouk M, Dong J, Tang J
9. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL
Postherpetic Neuralgia Resulting in Full Neck Ulceration Refractory Traditional Modalities
Abrouk M, Kirsner R, Yosipovitch G
10. **American Society for Dermatologic Surgery Annual Meeting 2021**
Chicago, IL
Top Authors in Dermatology Residency and Fellowship by h-index: A Bibliometric Analysis
Abrouk M, Motosko C, Kirsner R
11. **American Academy of Dermatology Annual Meeting 2021**
San Francisco, CA
Robotic 1064nm Laser with a Precision-Controlled, Motorized, Arm for Non-Contact Abdominal Lipolysis: An FDA Device Clearance Clinical Trial
Abrouk M, Waibel J
12. **American Society for Laser Medicine & Surgery Annual Meeting 2021**
Orlando, FL
VASCULAR CHARACTERISTICS OF PORT WINE BIRTHMARKS AS MEASURED BY DYNAMIC OPTICAL COHERENCE TOMOGRAPHY
Mehrabi J, **Abrouk M**, Waibel JS, Geronemus R, Zachary C, Kelly K
13. **American Society for Dermatologic Surgery Annual Meeting 2020**
Baltimore, MD
Use of Kinesiology Tape in Dermatologic Surgery to Improve Surgeon Posture and Decrease Long-Term Strain or Injury.
Abrouk M, Dong J, Chesnut C.
14. **American Society for Dermatologic Surgery Annual Meeting 2020**
Baltimore, MD
Erosive pustular dermatosis after CO2 laser resurfacing in mother and daughter.
Abrouk M, Williams N, Kirsner R

MICHAEL ABROUK MD



(805) 279-8755 |

drabrouk@gmail.com |



Boston, MA

15. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Historical Perspective of the Paramedian Forehead Flap and its Modern Day Use in Dermatologic Surgery.

Abrouk M, Brodsky M, Soleymani T

16. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Surgical , Histological, and Clinical Considerations of Primary Dermal Melanoma.

Abrouk M, Williams N, Soleymani T

17. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Novel Treatment of Calcifications from Dermatomyositis with Picosecond and CO2 Laser. **Abrouk M**, Waibel JS

18. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Oral Minoxidil for Androgenetic Alopecia Heart Rate Monitoring with Apple Watch. **Abrouk M**, Galimbert F, Li Y, Tosti A

19. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Telemedicine Platforms Used in Academic Dermatology During the COVID-19 Pandemic. **Abrouk M**, Beer J, Kirsner R

20. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Novel Technology for Continuous Glucose Monitoring in Psoriasis.

Abrouk M, Beer J, Kirsner R

21. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

Evidence based best practice advice for patients treated with systemic immunosuppressants in relation to COVID-19.

Li, Y, Galimberti, F, Cronin M, Fox J, **Abrouk M**

22. American Society for Dermatologic Surgery Annual Meeting 2020

Baltimore, MD

US Dermatology Resident Responses About the COVID-19 Pandemic Results

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

from a Nation-Wide Survey

Li, Y, Galimberti, F, Cronin M, Fox J, **Abrouk M**, Kirsner R

23. American Academy of Dermatology Annual Meeting 2020

Denver, CO

Artificial Intelligence in Dermoscopy (accepted)

Abrouk M, Egger A, Nouri K

24. American Academy of Dermatology Annual Meeting 2020

Denver, CO

Artificial Intelligence in Skin of Color (accepted)

Abrouk M, Desai K, Nouri K

25. American Academy of Dermatology Annual Meeting 2020

Denver, CO

A Novel Intraoperative Technique for Visualization and Excision of a Glomus Tumor (accepted)

Abrouk M, Egger A, Zaiac M

26. American Society for Laser Medicine & Surgery Annual Meeting 2020

Phoenix, AZ

Optical Coherence Tomography (OCT) Imaging to Compare Dynamic Cooling Device (DCD) to Contact Cooling with Novel 5th Generation Pulse Dye Laser on Post Inflammatory Redness of Surgical Scars (accepted)

Abrouk M, Waibel J

27. American Society for Laser Medicine & Surgery Annual Meeting 2020

Phoenix, AZ

A Novel 1064nm Laser Device with a Precision-Controlled, Motorized, Articulated Arm for Non-Contact Abdominal Lipolysis: An Update (accepted)

Abrouk M, Waibel J

28. American Society for Laser Medicine & Surgery Annual Meeting 2020

Phoenix, AZ

Randomized, Controlled Trial with the Hybrid Fractional Laser (1470nm and 2940nm) for Vulvovaginal Atrophy in Breast Cancer Survivors and Menopausal Females: A Prospective Pilot Study (accepted)

Abrouk M, Waibel J

29. American Society for Laser Medicine & Surgery Annual Meeting 2020

Phoenix, AZ

US Post-Market Study of Gold Microparticles in Combination with Nd:YAG Laser

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Pulses for the Treatment of Acne Vulgaris in Patients Using Topical Retinoids: 6 month Results

Abrouk M, Waibel J

30. American Society for Dermatologic Surgery Annual Meeting 2019

Chicago, IL

Development of Bullous Pemphigoid After 1.5 Years of Nivolumab Therapy

Abrouk M, Li Y, Cronin M, Badiavas A

31. American Academy of Dermatology Annual Meeting 2017

Orlando, FL

The Most Efficacious Excimer Laser Treatment Protocol for Psoriasis.

Abrouk M, Nakamura M, Sekhon S, Bhutani T, Koo J.

32. Society for Investigative Dermatology 2016

Scottsdale, AZ

Immunogenetic profiling of anatomically-distinct areas of psoriasis. Kristina Lee, Rasnik K. Singh, Hsin-Win Chang, Keyon Taravati, Richard Ahn, Kevin Lai, Zhi-Ming Huang, Derya Ucmak, Joanne Nititham, Michael **Abrouk**, Tian-Hao Zhu, Benjamin Farahnik, Mio Nakamura, Tina Bhutani, Michael D. Rosenblum, Wilson Liao

33. Medical Dermatology Society 2016

Washington, DC

Successful use of a modified Goeckerman regimen in the treatment of chronic, severe atopic dermatitis: A Prospective Pilot Study. Farahnik B, Beroukhim K, Zhu T, **Abrouk M**, Nakamura M, Singh R, Lee K, Bhutani T, Koo J.

34. Medical Dermatology Society 2016

Washington, DC

Atypical Presentation of Porokeratosis of Mibelli in a Psoriasis Patient with Longterm Topical Corticosteroid Use. Zhu TH, Nakamura M, **Abrouk M**, Farahnik B, Koo J, Bhutani T.

35. Medical Dermatology Society 2016

Washington, DC

The effect of value-based reimbursement on dermatology and psoriasis. Farahnik B, Zhu T, **Abrouk M**, Nakamura M, Singh R, Lee K, Bhutani T, Koo J.

36. Medical Dermatology Society 2016

Washington, DC

Use of an oral phosphodiesterase inhibitor (apremilast) for the treatment of chronic, severe atopic dermatitis: a case report. Farahnik B, Zhu T, **Abrouk M**, Nakamura M,

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Singh R, Lee K, Bhutani T, Koo J.

37. American Society for Dermatologic Surgery 2016 Annual Meeting

New Orleans, LA

Assessing the Risk of Squamous Cell Carcinoma in Patients Treated for Basal Cell Carcinoma with Vismodegib vs. Other Therapy. Tina Bhutani, Michael **Abrouk**, Camelia Sima, Natalia Sadetsky, Lisa Wang, Jeannie Hou, Ivor Caro, Mary-Margaret Chren, Sarah T. Arron

38. European Academy of Dermatology and Venereology Congress 2016

Vienna, Austria

A Difficult Case of Pityriasis Rubra Pilaris. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani

39. European Academy of Dermatology and Venereology Congress 2016

Vienna, Austria

Clinical Relevance of the Local Effects of Superpotent Topical Corticosteroids. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani

40. European Academy of Dermatology and Venereology Congress 2016

Vienna, Austria

The Role of the Nervous System in the Pathophysiology of Psoriasis: A Review of Cases of Psoriasis Remission or Improvement Following Denervation Injury. Zhu TH, Nakamura M, Farahnik B, **Abrouk** M, Lee K, Singh R, Koo J, Bhutani T.

41. European Academy of Dermatology and Venereology Congress 2016

Vienna, Austria

Anti-IL-17 Agents for Psoriasis: A Review of Phase III Data. Farahnik B, Nakamura M, Zhu TH, **Abrouk** M, Singh R, Lee K, Bhutani T, Koo J.

42. Skin of Color Symposium 2016

Washington, DC

Ethnicity and the Severity of Presenting Psoriasis. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani, W Liao

43. Skin of Color Symposium 2016

Washington, DC

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Ethnicity and the Age of Onset of Psoriasis. **Abrouk M**, Singh R, Bhutani T, Koo J, Liao W.

44. European Academy of Dermatology and Venereology Symposium 2016
Athens, Greece

The Most Efficacious Excimer Laser Treatment Protocol for Psoriasis. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani

45. European Academy of Dermatology and Venereology Symposium 2016
Athens, Greece

The Impact of PASI 75 and PASI 90 on Quality of Life in Moderate to Severe Psoriasis Patients. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani

46. European Academy of Dermatology and Venereology Symposium 2016
Athens, Greece

Successful treatment of chronic, severe, recalcitrant atopic dermatitis and significant reduction of associated pruritus with apremilast: A case series. Michael **Abrouk**, Mio Nakamura, Tian Hao Zhu, Benjamin Farahnik, Rasnik Singh, Kristina Lee, John Koo, Tina Bhutani

47. Las Vegas Dermatologic Seminar 2015

Las Vegas, NV

Review of Demyelinating Disorders Secondary to TNF-inhibitor Therapy for the Treatment of Psoriasis. Zhu TH, Nakamura M, **Abrouk M**, Farahnik B, Lee K, Singh R, Bhutani, T

48. Las Vegas Dermatologic Seminar 2015

Las Vegas, NV

Difficult Case of Pityriasis Rubra Pilaris. Nakamura M, **Abrouk M**, Farahnik B, Lee K, Bhutani T, Koo J.

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

LEADERSHIP EXPERIENCE

AAD Task Force Artificial Intelligence and Medical Technology *2021-present*

- Task force and committee comprised of 2 dermatologists leading the nation in decision making regarding artificial intelligence and medical technologies as they pertain to the entire field of dermatology
- responsible for numerous meetings, evaluations of safety and product development in conjunction with the AAD

Procedural and Aesthetic Chief Resident *2020-2021*

- Chief resident responsible for leadership aesthetics and procedures in dermatology resident experience with aesthetic products, procedures, and collaboration with companies and emerging clinical trials

ASLMS Resident Representative *2019-2021*

- Selected to be part of the resident representative for ASLMS team
- Meetings involving resident education, ASLMS guidance and planning committee, as well as annual meeting correspondence

Slack National Resident Communication Founder *2020-present*

- During COVID19 Pandemic developed a rapid communication platform for dermatology resident communication, updates, and experience across the nation
- Quickly established resident user adoption with nearly every single dermatology resident program in the nation
- Resident adoption with live, direct communication for over 500+ Dermatology Residents in the nation
- This will continue to be an ongoing development and communication platform positioned to be the leading communication platform in dermatology

ASDS 2019 Social Media Correspondent *2019*

- Selected to be part of the social media team at the ASDS annual meeting with in meeting interviews, discussions, and photoshoots that were ultimately used in the official ASDS social media accounts.

Miami Dermatology Difference Makers Interview Series Host *2018-present*

- Talk show style interview series with notable speakers in dermatology including Mark Lebwohl, Terrence Keaney, Craig Leonardi, Andrew Blauvelt and others
- Planned interviews with multitude of key opinion leaders in dermatology throughout the year

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Iron Surgeon Miami

2021

- Selected to be a competitor in an ASDS-style Iron Surgeon competition involving residents and faculty at The University of Miami Department of Dermatology & Cutaneous Surgery
- Event planned for 2021 with complex laser and surgical cases for discussion

Miami Dermatology Society Award

2018

- Award presented by the Miami Dermatology Society for the resident that has delivered the best oral presentation on challenging dermatologic cases
- Case awarded for a challenging management of Sturge Weber in a child presenting internationally to Miami with extensive cutaneous involvement and significant improvement after modified regimen with different laser modalities.

Miami Dermatology Wellness Committee Co-Director

2018-present

- Wellness plays a critical role in team development and company culture, together with my co-director we developed an entire curriculum of team building, health, and wellness events
- Adapted from Harvard Business School and thought leaders on company culture these quarterly all team events involved a wide range of team building, Myers-Briggs assessments, thought experiments, sporting competitions, and review of contemporary literature on company culture and leadership

Harbor UCLA Dr California Award

2017-2018

- Award presented by the Harbor UCLA Medical Center for the resident that most exemplifies what it means to be a Californian through outstanding passion for the community, Los Angeles medical outreach and volunteering, and supporting the health and wellness of the greater community.
- Award only presented when an exemplary resident presents themselves
- Notable past winners: Dr. Terry Dubrow

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Dermatology Interest Group President

2012 - 2015

- Responsible for coordinating educational and useful dermatology seminars for medical students to gain more exposure to the field of dermatology.
- Events include the development of the free academic dermatology clinic in orange county, collaboration with local sponsors and events to raise dermatology awareness such as the US Open of Surfing, Sun Safe Tee, and the John Wayne Foundation

National Psoriasis Foundation Capitol Hill Meeting

Washington D.C. 2016

- Advocated on behalf of psoriasis patients throughout the United States of America in front of congress for increased support, increased funding, and improved insurance coverage.
- Lobbied directly to California Senators Barbara Boxer and Diane Feinstein on behalf of psoriasis patients. Managed to convince Diane Feinstein and her staff to sign documentation pledging her support to psoriasis research and patient care.
- Discussed with Duncan Hunter, one of the last congressman in California not supporting targeted medical research, in effort to convince him to consider psoriasis as an area of particular interest.
- <https://www.psoriasis.org/>

FDA Patient Focused Drug Development

Silver Spring, MD 2016

- The FDA identified a handful of diseases that it deemed important for discussion and further understanding both due to the demands of the diseases, as well as the potential for drug development and excellent patient treatment.
- Advocated on behalf of psoriasis patients and psoriasis clinical investigators and researchers, directly speaking to the FDA administration for dermatologic drug development.
- My colleagues and I were the sole representation for the entire nation from a clinical trials and drug development in dermatology perspective, and I was able to communicate valuable information to the FDA in hopes of improved and increased treatment options for patients with psoriasis.
- <http://www.fda.gov/ForIndustry/UserFees/PrescriptionDrugUserFee/ucm470608.htm>

National Eczema Association

San Francisco Support Group Coordinator

2015 - 2016

- Founded the San Francisco chapter of the National Eczema Association and organized monthly support group meetings for patients with eczema in Northern California.
- <https://nationaleczema.org/>

Peer Reviewer, Various Medical Journals

2015 - Present

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

- volunteer as an invited peer reviewer for several medical journals, including the Lasers in Surgery & Medicine, Journal of Dermatologic Treatment, American Journal of Clinical Dermatology, Journal of Cutaneous Medicine & Surgery, and Skin Therapy Letter.

American Society of Dermatopathology Artist

2015 - Present

- Published artist selected by The American Society of Dermatopathology
- Created a large scale acrylic on canvas original painting inspired by the field of dermatology for the main hall and conference entrance
- <https://www.asdp.org/annual-meeting/home/>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

ENTREPRENEURIAL & INNOVATIVE EXPERIENCE

TED Speaker *2020 - present*

- Early stage medical technology TED talk focused on delivering artificial intelligence (AI) layered overlays to real time data input in dermatology, pathology, and the future of medical technology

Layer Co-Founder *2020 - 2022*

- Early stage medical technology startup focused on delivering artificial intelligence (AI) layered overlays to real time data input in pathology
- Initial endeavors modeling after Googles AI research into prostate cancer pathology analysis with planned transition into rapid pathology testing environment of dermatology
- Still in very early data collection and interpretation stages

Levels Executive Board Member *2020 - 2022*

- Medical and Executive advisory board member of Levels continuous glucose monitoring (CGM) medical technology startup
- Striving to deliver high fidelity CGM direct to consumer via telemedicine
- <https://www.levelshealth.com/>

Vector Co-Founder *2019 - present*

- Co-Founder of a healthcare startup developing rapid medical device prototyping with 3D printing and design.
- Full stack engineering team with first device in clinical trials pursuing FDA 510(k) approval for a class 2 device
- Go to market strategy pending FDA approval tentatively 2021

Curie Co-Founder *2018 - 2020*

- Co-Founder of a medical technology startup focused on delivering rapid high fidelity healthcare via telemedicine
- Selected for multiple investor meetings including Y Combinator
- Full stack engineering team with experience at google, prior CTO experience, and prior telemedicine experience

Y Combinator Finalist *2019*

- Selected by Y Combinator as a finalist to fly out to Silicon Valley and have in person startup pitch meetings with investors as the CEO and Co-Founder of a startup that made it to the final round of investment
- Y Combinator has invested in hundreds of startups in multiple sectors with one of the best track records of any startup incubator with multiple companies valued at

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

several billion dollars including airbnb, Dropbox, Stripe, Instacart, and DoorDash and Brex to name a few.

- <https://www.ycombinator.com/>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Fabrix Co-Founder and VP of Product

2017 - 2019

- Co-Founder and Vice President of Product for Fabrix Health
- Fabrix is a telemedicine company focused on delivering HIPAA compliant telemedicine capabilities to surgical suites and outpatient medicine to improve outcomes, reduce healthcare redundancies, and improve healthcare delivery
- Fabrix was funded successfully through angel rounds and conducted clinical trials in elective general surgery, ophthalmology, and dermatology.

Shadow WiFi Project Director

2015 - 2018

- Worked to bring the Shadow WiFi project to the United States. Shadow WiFi is a creative and innovative program that was designed to help reduce sun exposure in younger populations, with the goal of skin cancer education and prevention. Developed a budget, proposed plan, and coordinated with multiple companies across the United States and Europe to bring Shadow WiFi to the east coast in summer 2016. Please see YouTube video below for further information
- <http://www.happiness-brussels.com/site/news/shadowwifi>
- https://www.youtube.com/watch?v=rvrH0bsU_Fo

Watermans Sunscreen

2015 - 2017

- Worked to develop sunscreen products designed to provide maximum protection from the sun for water sports athletes
- Helped to market test, formulate, and redesign sunscreens, and launch marketing campaign
- <http://www.watermansappliedscience.com/>

Medical App Jam

2012 - 2016

- Established the first ever medical technology collaboration project and competition at the University of California, Irvine
- Medical app development competition in collaboration with the computer sciences department in effort to synergistically bring together the medical school and computer sciences department for the development of medical technology
- Successfully inspired over 300 participants to come together and form teams, develop medical tech ideas, and bring those ideas to fruition in a competition style format with awards, monetary prizes, and industry expert evaluation and possible contracts
- Collaborated with industry leaders in companies such as Google, Apple, Facebook, and HP to judge the competition
- Successfully established this competition for years to come
- <http://student-council.ics.uci.edu/medappjam/index.php>

iMedBookjam

2015

- Contributed to the first ever medical technology and literature collaboration project

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

and competition at the University of California, Irvine

- Teams competed on developing medical books with technological components through interactive use, iPad and iOS distribution, and follow up surveys to evaluate the performance of students learning medical information via digital platform versus traditional tactile platforms with physical books.
- <http://sites.uci.edu/theeri/2015-fall-med-ibookjam/>

Sketchy Micro Founding Team

2013 - 2018

- Developed a platform for medical education in the subject of microbiology
- Helped to found, develop, and deliver an amazing product with a new take on teaching and memory retention for medical microbiology
- Created a very successful program that is fun to use, effective, and efficient
- Thousands of medical students worldwide are now using this program, and several Medical Schools around the world now have Sketchy Micro built into their medical curriculum
- <https://sketchymedical.com/>

Memento Rx Founding Team

2013 - 2015

- Helped develop a medical education platform based around the science of spaced time interval repetition
- Advised on matters of business development and platform software development for the creation of a program geared towards pharmacy school students

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

CHARITY & VOLUNTEER EXPERIENCE

Miles for Melanoma *2022 - present*

- Miles for Melanoma is a sponsored skin health awareness event where dermatologists race in a 5k and provide free post race skin cancer screenings as well as sun protection education related to melanoma research and funding
- 1st place finisher 2022 Boston, MA

ASDS Got Talent Finalist *2020*

- Submitted performance for digital talent competition at the virtual ASDS 2020 and was selected as finalist
- Performed guitar, vocals, and harmonica

Haiti Dermatology Mission *2018 - 2021*

- Planned but not yet travelled medical and surgical dermatology mission to Haiti to provide dermatologic care to an extremely underserved community with a disproportionately high population of patients with albinism and high skin cancer rates with little to no access to dermatologic care
- Coordinated delivery of hundreds of sun protective products and sunscreen to be delivered to Haiti
- Due to civil unrest and safety concerns this medical mission has been temporarily postponed

Florida Keys Health Fair *2018 - 2021*

- Helped to organize and participate in the largest health fair in south Florida where dozens of specialties and hundreds of physicians provide care the underserved and low healthcare availability communities of the Florida Keys
- Helped to coordinate free care and skin cancer management for thousands of patients in the community
- <https://umdocs.mededu.miami.edu/projects/health-fairs/florida-keys-health-fairs/>

Sun Smart 5k *2018 - 2021*

- University of Miami Miller School of Medicine sponsored skin health awareness event where dermatologists race in a 5k and provide free post race skin cancer screenings as well as sun protection education
- <https://www.sunsmart5k.com/>

PLEXUS publication contributor & artist *2014 - 2018*

- Plexus is the University of California, Irvine School of Medicine Arts & Humanities Journal. Plexus is a journal dedicated to encouraging and publishing original and

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

creative content amongst all those connected to the health field.

- Personally created many pieces of artwork both pertaining to medical education as well as personal creative endeavor. Original pieces I created ranged from poetry to large canvas paintings to clay sculptures and portraits.
- <http://www.uciplexus.com/art/>

City Impact Free Dermatology Clinic *2015 - 2017*

- Volunteered in an incredible community outreach and dermatology free clinic with UCSF faculty, medical students, and residents
- Coordinated the dermatologic care of hundreds of patients with local dermatologists, clinical faculty, residents, and medical students
- Provided skin cancer screening, biopsies, and other dermatological services to hundreds of patients in the underserved community.
- <http://wellness.sfcityimpact.com/>

Talent Show Performer/Organizer *2016-2017*

- Helped to organize and perform in the annual talent show at the University of California Irvine School of Medicine.
- Performers included musicians, comedians, and a wide range of physical talents.
- Personally performed solo, as well as with a band comprised of medical colleagues.
- Performed guitar, vocals, percussion, and harmonica

Waves for Healing Executive Board *2013 - 2017*

- Surfing and water sports-oriented organization geared towards helping medical patients recover through the power of the Pacific Ocean
- Worked with patients recovering from a range of medical treatments from depression, to orthopaedic and dermatologic procedures, to end of life care.
- Focused on improving quality of life, and cultivating happiness with our patients, with several medical studies surrounding the program
- Worked with local surfers and the US Open of Surfing to help promote safety, sunscreen, and awareness

National Psoriasis Foundation Walk *2015*

- Worked to coordinate and participate in a charity walk to raise awareness and funding for psoriasis and psoriasis arthritis.
- Event coordination included working to raise donations and encourage local community support. Worked to reserve space in the embarcadero of San Francisco for the event.
- <http://npf.donordrive.com/index.cfm?fuseaction=cms.page&id=1020>

SuperKids 5k *2015*

- Helped to coordinate and participate in a charity walk with the Long Beach

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

Children's & Women's hospital to help benefit the pediatric population and the pediatric department as well as raise awareness about health, wellness, and nutrition in throughout the pediatric population.

- <http://www.active.com/long-beach-ca/running/races/super-kids-5k-and-fun-run-online-registration-closed-2015>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

RESEARCH EXPERIENCE

UCSF Dermatology Research Fellowship

2015 - 2016

Drs. Liao, Bhutani, Arron and Koo

- Full one-year research fellowship perform research at the UCSF Psoriasis, Phototherapy & Skin Treatment Clinic.
- Sub-investigator for four multi-center clinical trials and three investigator-initiated trials.
- Responsible for drafting IRB applications and informed consent documents, patient recruitment, and conducting study visits.
- Authored several peer-reviewed journal articles on topics including medical education, healthcare access, phototherapy and excimer laser, the effects of skin disease on quality of life, biologic therapies, and psychodermatology.
- Drafted four novel research proposals for trials involving psoriasis and eczema.
- Participated in the development of a novel instrument that delivers ultra high doses of excimer laser to treat recalcitrant psoriatic plaques.
- Designed and administered an online survey to over 1200 patients to assess the effects of diet on psoriasis and eczema.
- Designed and administered a cross-sectional survey study to evaluate the prevalence of body dysmorphic disorder in dermatology residency.

UC Irvine Dermatology Research

2012 - 2017

- Collaborated with on multiple research studies over the years on psoriasis, melanoma, cutaneous lymphoma, and vascular malformations.
- Developed several research projects involving reviews for laser treatment for cutaneous disorders.
- Helped to coordinate research projects and faculty exposure with students interested in the dermatology department through my role as the president of the dermatology interest group

Google Glass Research Initiative

2015 - 2017

- Worked with Google and other companies to bring Google Glass to UC Irvine School of Medicine
- Coordinated the distribution of Google Glass to medical students for a multitude of research projects across all disciplines
- Worked to catalogue a database of first-person procedures, diagnoses, and dermatologic manifestations through the use of google glass
- <http://news.uci.edu/press-releases/uci-school-of-medicine-first-to-integrate-google-glass-into-curriculum/>

Basic Science Stem Cell Research Fellow.
Clegg Lab, Dept. of Biology, UCSB

2008 - 2012

- Worked in the lab of Dr. Dennis Clegg in Stem Cell Research
- Focused on basic science research, cell culture, and stem cell lineage manipulation techniques.
- Projects included autologous adipose derived stem cell extraction and manipulation in efforts for soft tissue regeneration and injectables
- Collaborated with Allergan and the United States Military to develop fat transplant and soft tissue injectables derived from stem cells in effort for dramatically better outcomes
- <https://labs.mcdb.ucsb.edu/clegg/dennis/>

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

SELECT CLINICAL TRIALS EXPERIENCE

Multi Center, Single-site & Investigator Initiated Studies

1. Study to Evaluate the Safety and Efficacy of the Cytrellis Micro-Coring Device for the Treatment of Moderate to Severe Facial Wrinkles
2. Pivotal Study to Evaluate the Effectiveness of a Micro-coring Device Treating Moderate to Severe Facial Wrinkles
3. Study to Evaluate the Efficacy of a Micro Coring Device for the Treatment of Scars of the Cytrellis Micro-Coring Device for the Treatment of Scars
4. Efficacy of Micro-excisional Skin Removal by Micro-coring Device in Treatment of Wrinkles and Laxity of Face and Neck (MCD)
5. Evaluation of a New Dermal Cryotherapy System
6. Clinical Trial of Patidegib Gel 2%, 4%, and Vehicle Applied Once or Twice Daily to Decrease the GLI1 Biomarker in Sporadic Nodular Basal Cell Carcinomas (BCC)
7. Study to Evaluate the Safety and Efficacy of the Robotic Articulating Arm with 1064nm Laser Device for the Treatment of Subcutaneous Adipose Tissue
8. A Single-Center, Open-Label Study to Assess Change in Psychosocial and Occupational Dimensions with Ustekinumab Treatment of Moderate-to-Severe Psoriasis Evaluated with the Psychological General Well Being (PGWB), Work Productivity and Activity Impairment (WPAI), Psoriasis Quality of Life-12 Items (PQOL-12), and Dermatology Life Quality Index (DLQI)
9. A Single-Center, Open-Label Study to Assess Change in Psychosocial Well-Being, Quality of Life, Intimacy, and Sexual Quality of Life with Goeckerman Therapy Evaluated with the Psychological General Well Being (PGWB), Dermatology Life Quality Index (DLQI), and Dermatology Intimacy Scale (DIS)
10. A Single-Center, Open-Label Study to Assess the Efficacy of Goeckerman Therapy for the Treatment of Atopic Dermatitis

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

11. PHOTOS Excimer Laser Study. A Single-Center Investigator initiated study to assess sub-blistering dosimetry vs. conventional dosimetry with the excimer laser for the treatment of psoriasis using a proprietary patented dosimetry tip.
12. Phase 3, Multicenter, Randomized, Double-blind, Placebo and Active Comparator- controlled Study Evaluating the Efficacy and Safety of Guselkumab in the Treatment of Subjects With Moderate to Severe Plaque-type Psoriasis (Voyage 1)
13. A 52-Week, Phase 3, Randomized, Active Comparator and Placebo-Controlled, Parallel Design Study to Evaluate the Efficacy and Safety/Tolerability of Subcutaneous SCH 900222 / MK-3222, Followed by an Optional Long-Term Safety Extension Study, in Subjects With Moderate-to-Severe Chronic Plaque Psoriasis
14. A Phase 3b, Randomized, Double-blind, Active-controlled, Multicenter Study to Evaluate a “Subject-tailored” Maintenance Dosing Approach in Subjects with Moderate-to-Severe Plaque Psoriasis (PSTELLAR)
15. A 10-Year, Post-marketing, Observational, Registry of Adalimumab in Adult Patient with Chronic Plaque Psoriasis

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

OTHER PUBLICATIONS

1. Plexus Publication 2017, *He Who Climbs the Ladder*.
2. Plexus Publication 2016, *This Painting is Not About a Girl*.
3. Wall Street Journal 2016: Study of Telemedicine Finds Misdiagnosis of Skin Problems. <http://www.wsj.com/articles/study-of-telemedicine-finds-misdiagnoses-of-skin-problems-1463344200>
4. American Society of Dermatopathology 2015, *In Situ*.

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

SELECT GRANTS

ASDS Early Career Innovation Grant (Submission Recipient)	2021
ASDS Cutting Edge Research Grant (Submission Finalist)	2021
ASDS Cutting Edge Research Grant (Submission Rejected)	2019
NPF Excimer Laser Phototherapy Outcomes in the Treatment of Psoriasis	2016

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

SELECT ATHLETIC ACCOMPLISHMENTS

Marathons

- Santa Barbara Marathon 2009
- Melbourne Marathon 2010
- Los Angeles Marathon 2011
- Melbourne Marathon 2010
- Los Angeles Marathon 2015
- San Francisco Marathon 2016
- Miami Marathon 2020
- Boston Marathon 2021

Triathlons

- Miami Triathlon 2019
- Miami Triathlon 2020
- Miami Triathlon 2021
- 305 Triathlon 2021 (8th place overall)
- Ironman 70.3 2020 (official independent completion with pandemic)
- Ironman Florida 70.3 2022 (registered athlete)

MICHAEL ABROUK MD

 (805) 279-8755 |  drabrouk@gmail.com |  Boston, MA

PROFESSIONAL ORGANIZATION MEMBERSHIP

Miami Society for Dermatology and Cutaneous Surgery	2018 - Present
Florida Society of Dermatologic Surgeons	2018 - Present
Florida Society of Dermatology & Dermatologic Surgery	2018 - Present
American Society for Lasers in Surgery & Medicine	2017 - Present
American Society for Dermatologic Surgery	2017 - Present
National Psoriasis Foundation	2015 - Present
Association for Psychoneurocutaneous Medicine of North America	2015 - Present
Medical Dermatology Society	2015 - Present
Skin of Color Society	2015 - Present
American Medical Association	2012 - Present