

CARLOS A CHARLES MD

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Office Address:

29 Fox Street, Unit 400
Poughkeepsie, NY 12601
(845) 473-2350
drc@hudsondermatology.com

EDUCATION

- 1995-1999** WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY New York, NY
MD Granted, May 1999
- 1990-1994** UNIVERSITY OF FLORIDA Gainesville, FL
Bachelor of Science, July 1994, major in Neurobiological Sciences

HONORS/ AWARDS

- 2004** WOUNDS Annual Young Investigators Award, May 2nd, Orlando Florida
- 2004** The Symposium on Advanced Wound Care and Medical Research Forum on Wound Care Award. *In vitro evaluation of Biofilm Development on Tissue Engineered Skin.*
- 2007** Cecilia and Samuel Resnick Resident Research Symposium Award
University of Miami School of Medicine
Department of Dermatology and Cutaneous Surgery

MEDICAL TRAINING

- 2004-2007** UNIVERSITY OF MIAMI MILLER SCHOOL OF MEDICINE Miami, FL
DERMATOLOGY AND CUTANEOUS SURGERY
Residency, Dermatology
- 1999-2000** NEW YORK-PRESBYTERIAN HOSPITAL New York, NY
CORNELL CAMPUS
Internship, Internal Medicine

ACADEMIC/ HOSPITAL AFFILIATION

- 2010-present** Clinical Instructor of Dermatology- Weill Medical College of Cornell University
2010-present Assistant Attending of Dermatology- New York Presbyterian Hospital- Cornell

LISCENSURE/ CERTIFICATION

- 2000** Professional License in Medicine and Surgery, New York; #220104 – Active
2008 Diplomat of the American Board of Dermatology- Board Certified
2012 Good Clinical Practice (GCP Training) NIH Clinical Research Training Course Certificate #1043831

PROFESSIONAL ORGANIZATIONS

- 2008** Fellow of the American Academy of Dermatology
2010 Dermatologic Society of Greater New York Member
2010 Skin of Color Society Member
2010-2012 AAD- Continuing Medical Education Program Review and Evaluation Task Force-Committee Member

EMPLOYMENT

- 2022-Present Associate Dermatologist
Hudson Dermatology**
29 Fox Street, Unit 400
Poughkeepsie, NY 12601
- 2012-Present Carlos A. Charles MD PC
Derma di Colore
Founder and Medical Director**
115 West 27th Street, Suite 1001
New York, NY 10001
- 2019-2021 Associate Dermatologist**
Crystal Run Healthcare
61 Emerald Place
Rock Hill, New York
- 2007-2018 Associate Dermatologist**
Park South Medical
1545 Unionport Road
Bronx, NY 10462
- 2007-2012 Associate Dermatologist**
ELJ Dermatology
108 East 86th Street Suite 1N
New York, NY 10028
- 2011-2012 Speaker Panel- Leo© Pharmaceuticals**
- 2010 Consultant- Johnson and Johnson-Skin of Culture Research Platform**
Skillman, New Jersey- Assisted J&J with in the development of skin care products tailored for skin of color.
- 2009 Consultant- Neutrogena Cosmetics**
New York, NY- Participated in ideation for the marketing of new anti-aging cosmetics.
- 2012 Consultant- ReVance Therapeutics, Inc**

RESEARCH

- 2002-2004 Wound Healing Clinical Research Fellow, University of Miami, Department of Dermatology and Cutaneous Surgery, Director: Robert S. Kirsner, MD**
Conducted and developed clinical trials focused on the treatment of chronic wounds.
- 2000-2002 Melanoma Clinical Research Fellow, Memorial Sloan-Kettering Cancer Center, Division of Dermatology, Director: Dr. Allan C. Halpern**
Studied imaging techniques for the diagnosis of pigmented skin lesions.
- 1998 Research Assistant, New York-Presbyterian Hospital, Division of Cardiology, Director: Dr. Richard B. Devereux**
Studied the relationship between left ventricular hypertrophy and hypertension in the African-American population.
- 1994 Research Assistant, University of Florida, Director: Dr. Michael A. King**
Studied the expression of the c-fos gene in rat hippocampus during withdrawal from long-term ethanol exposure.
- 1993 Summer Research Fellow, Payne Whitney Psychiatric Clinic, New York-Presbyterian Hospital, Director: Dr. William J. Apfeldorf**
Studied the effects of orally administered caffeine in panic disorder patients.

ORAL PRESENTATIONS

- 2001 Abstract Poster Presentation: 5th World Conference on Melanoma. Venice, Italy.** Charles C, Marghoob A, Lee G, Busam K, Halpern A. In vivo confocal scanning laser microscopy of congenital melanocytic nevi that are suspicious for having developed malignant melanoma. *Melanoma Research* 2001, 11: S1, S198-S199.
- 2001 Research Update: In vivo confocal microscopy of pigmented lesions. Memorial Sloan-Kettering Cancer Center.** A formal review of ongoing institutional research in confocal microscopy of pigmented lesions presented to the Division of Hematologic Oncology.
- 2002 Advances in Confocal Microscopy. University of Miami, Department of Dermatology and Cutaneous Surgery.** A comprehensive review of in vivo confocal microscopic techniques and research. Presented to the faculty and residents of the Department of Dermatology and Cutaneous Surgery.
- 2003 Wound Healing in Children. 12th Annual Masters of Pediatrics- Leadership Conference. Bal Harbor, Florida.** An update on the current wound care approaches for pediatric patients.
- 2003 Abstract Oral Presentation: International Investigative Dermatology Meeting. Miami Beach, Fl.** Charles C, Bialy T, Falabella A, Eaglstein W, Kerdel F, Kirsner R. Poor prognosis of arthritis associated pyoderma gangrenosum.
- 2003 Abstract Poster Presentation. International Investigative Dermatology Meeting. Miami Beach, Fl.** Charles C, Dusza S, Marghoob A, Oliveria S, Kopf A, Rigel D, Halpern A. Diagnosis, management, and treatment of melanoma in situ by US dermatologists.
- 2003 Wound Healing Advances in Children: The University of Miami Experience. Miami Children's Hospital. Miami, Fl.** An update on the current wound care approaches for pediatric patients.
- 2003 Research Update. The Wound Healing Fellowship. University of Miami, Department of Dermatology and Cutaneous Surgery.** A comprehensive review of the clinical and basic science research performed during the first year of the wound healing fellowship. Presented to the faculty and residents of the Department of Dermatology and Cutaneous Surgery.
- 2004 American Academy of Dermatology 62nd Annual Meeting. Residents and Fellows Symposium Oral Presentation. Washington, D.C.** In Vitro Evaluation of Biofilm Development on Tissue Engineered Skin
- 2004 Evidence-Based Medicine: Research Plenary Session; Symposium on Advanced Wound Care (SAWC), Orlando, Florida.** In Vitro Evaluation of Biofilm Development on Tissue Engineered Skin
- 2004 Abstract Poster Presentation: Society for Investigative Dermatology Meeting.** MR Banta, CA Charles, F Ma, DG Federman and RS Kirsner. Achieving target lipid levels in patients with peripheral vascular disease.
- 2004 The Wound Healing Society 14th Annual Meeting and Exhibition, Atlanta, Georgia.** In Vitro Evaluation of Biofilm Development on Tissue Engineered Skin
- 2004 Cecilia and Samuel Resnik Residents Research Symposium.** University of Miami Department of Dermatology and Cutaneous Surgery. Gene Expression of Prognostic Indicators of Wound Healing in Venous Leg Ulcers by Microarray Analysis.
- 2004 Wound Healing: From Bedside to Bench-side: New Approaches for Old Diseases.** A comprehensive review of the clinical and basic science research performed during the second year of the wound healing fellowship. Presented to the faculty and residents of the Department of Dermatology and Cutaneous Surgery.

- 2006 American Academy of Dermatology 64th Annual Meeting. Gross and Microscopic Dermatology Symposium. San Francisco, CA.** Pemphigus foliaceus in a pediatric patient presenting as persistent generalized erythroderma. Charles C, Rogers C, Bello Y, Alvarez-Connelly E, Nousari C, Elgart G.
- 2006 Abstract. Poster Presentation. American Academy of Dermatology 64th Annual Meeting. San Francisco, CA.** Clinicopathologic Correlation. The university of Miami Experience. Zapolinski T, Jacob SE, Unwala R, Steele T, Charles C, De Araujo T, Drosou A, Sullivan T, Kerdel FA, Connelly EA, Blasini W, Romanelli P
- 2006 The Wound Healing Society 16th Annual Meeting and Exhibition. Scottsdale, AZ.** Molecular Analysis of Non Healing Venous Leg Ulcers. Organogenesis, Inc. Symposium.
- 2006 15th Congress of the European Academy of Dermatology and Veneurology. Rhodes, Greece. Molecular Analysis of Non Healing Venous Leg Ulcers.** Miami Sister Society Symposium
- 2006 Abstract. Poster Presentation. 15th Congress of the European Academy of Dermatology and Veneurology. Rhodes, Greece.** Pemphigus foliaceus in a pediatric patient presenting as persistent generalized erythroderma. Charles C, Rogers C, Bello Y, Alvarez-Connelly E, Nousari C, Elgart G
- 2007 Cecilia and Samuel Resnik Residents and Fellows Research Day.** University of Miami. Department of Dermatology and Cutaneous Surgery. Venous Ulcers and Tumor Necrosis Alpha. Is there a connection?

PUBLICATIONS

- Busam K, Hester K, **Charles C**, Sachs D, Gonzalez S, Halpern A. Detection of clinically amelanotic malignant melanoma and assessment of its margins by in vivo confocal scanning laser microscopy. Archives of Dermatology 2001; 137:923-929
- Busam K, **Charles C**, Lee G, Halpern A. Morphologic characteristics of melanocytes, pigmented keratinocytes, and melanophages by in vivo confocal scanning laser microscopy. Modern Pathology 2001; 14: 862-868
- Busam K, **Charles C**, Lohmann C, Marghoob A, Goldgeier M, Halpern A. Detection of intraepidermal malignant melanoma in vivo by confocal scanning laser microscopy. Melanoma Research 2002; 12: 349-355
- Charles C**, Marghoob A, Clark-Loeser L, Busam K, Halpern A. Melanoma or pigmented basal cell carcinoma: A clinical-pathologic correlation with dermoscopy, in vivo confocal scanning laser microscopy, and routine histology. Skin and Technology Research 2002; 8: 282-287
- Marghoob A, Sachs D, **Charles C**. Melanoma Mimickers. Seborrheic Keratosis or Melanoma. Cortlandt Forum 2001; 14: 59-61
- Marghoob A, Sachs D, **Charles C**. Melanoma Mimickers. Seborrheic Keratosis or Melanoma. The Clinical Advisor: For Physician Assistants. 2002; 5: 121-127
- Charles C**, Busam K, Myskowski P, Marghoob A. Other Skin Cancers. In: Marghoob A and Halpern A (Eds). Atlas of Cancer. New York, NY, Lippincott Williams and Wilkins, 2003. pp 531 - 537
- Halpern A, **Charles C**, Marghoob A. Skin Cancer: Prevention and Early Detection of Skin Cancer. In: Marghoob A and Halpern A (Eds). Atlas of Cancer. New York, NY, Lippincott Williams and Wilkins, 2003, pp 474 – 480
- Marghoob A, Halpern A, **Charles C**. Pigmented Lesions: Moles and Melanoma. In: Jones, Britten, Culpepper, Gass, Grol, Mant and Silagy (Eds). Oxford Textbook of Primary Medical Care. Oxford University Press. 2003
- Charles C**, Falabella A. Venous Ulcers. In: Rakel R and Bope E (Eds). Conn's Current Therapy. Elsevier Inc., 2004. pp 885-888

Oliveria S, Chau D, Christos P, **Charles C**, Mushlin A, Halpern A. Diagnostic Accuracy of Patients in Performing Skin Self-Examination and the Impact of Photography. *Archives of Dermatology*. 2004; 140: 57-62

Charles C, Eaglstein W. Active treatments for acute and chronic wounds. In: Maibach and Rovee (Eds). *The Epidermis in Wound Healing*. CRC Press. 2004, pp. 351-373

Charles C, Bialy T, Falabella A, Eaglstein W, Kerdel F, Kirsner R. Poor prognosis of arthritis associated pyoderma gangrenosum. *Archives of Dermatology*. 2004; 140: 861-4

Charles C, Kato T, Tzakis A, Miller B, Kirsner R. Use of a living dermal equivalent for a refractory abdominal defect after pediatric multi-visceral transplantation. *Dermatologic Surgery*. 2004; 30:1236-40

Chung V, Dwyer P, Nehal K, Rajadhyaksha M, Menaker G, **Charles C**, Jiang S. Use of ex vivo confocal scanning laser microscopy during mohs surgery for nonmelanoma skin cancers. *Dermatologic Surgery*. 2004; 30:1470-8

Levy D, Banta M, **Charles C**, Eaglstein W, Kirsner R. Cymetra: A treatment option for refractory ulcers. *Wounds*. 2004; 30: 358-363

Baumann L, Slezinger A, Halem M, Vujevich J, Mallin K, **Charles C**, Martin LK, Black L, Bryde J. Double-blind, randomized, placebo-controlled pilot study of the safety and efficacy of Myobloc (botulinum toxin type B) for the treatment of palmar hyperhidrosis. *Dermatologic Surgery*. 2005; 3: 263-70

Charles C, Ka V, Dusza S, Marghoob A, Oliveria S, Kopf A, Rigell D, Halpern A. Variation in the diagnosis, treatment, and management of melanoma in situ: a survey of US dermatologists. *Archives of Dermatology*. 2005; 141: 723-9

Marghoob A, **Charles C**, Busam K, Rajadhyaksha M, Lee G, Clark-Loeser L, Halpern A. In vivo confocal scanning laser microscopy of a series of congenital melanocytic nevi suggestive of having developed malignant melanoma. *Archives of Dermatology*. 2005; 141:1401-12

Charles C, Falabella A. Pressure Ulcers. *Epidemiology and Pathophysiology*. In: Falabella A and Kirsner R (Eds). *Wound Healing: Science and Practice*. Boca Raton, FL. Taylor and Francis Group 2005. pp 139-152

Charles C, Falabella A, Fernandez-Obregon A. Leg Ulcer Management. In: Robinson et al. (Eds). *Surgery of the skin*. St. Louis, MO. Mosby. 2005

Connelly E, Aber C, Kleiner G, Nousari C, **Charles C**, Schachner L. Generalized Erythrodermic Pemphigus Foliaceus in a Child and Its Successful Response to Rituximab Treatment. *Pediatric Dermatology* 2007; 24, 172-176

Charles C, E Connelly, C Aber, A Herman, L Schachner. A rare presentation of squamous cell carcinoma in a patient with PIBIDS-type trichothiodystrophy. *Pediatric Dermatology*. 2007; 25: 264-7

Charles C, Leon A, Banta M, Kirsner R. Etanercept for the treatment of pyoderma gangrenosum: a brief series. *International Journal of Dermatology*. 2007; 46:1095-9

Patel A, **Charles C**, Ricotti C, Romanelli P, Connelly E. Cutaneous tumors, massive lymphadenopathy, and secondary lymphedema in a 16-year-old boy. *Archives Dermatology*. 2008; 144: 1217-22

Charles C, Tomic-Canic M, Vincek V, Nassiri M, Stojadinovic O, Eaglstein W, Kirsner R. A gene signature of nonhealing venous ulcers: Potential diagnostic markers. *J Am Acad Dermatol*. 2008; 59: 758-71

Charles C, Romanelli P, Bonilla-Martinez, Z, Roberts B, Kirsner R. Tumor Necrosis Factor- α in Non-Healing Venous Leg Ulcers. *J Am Acad Dermatol*. 2009; 60: 951-5

Charles C, Ricotti C, Banta M, Davis S, Mertz P, Kirsner R. In vitro evaluation of biofilm development on tissue engineered skin. *Dermatologic Surgery*. 2009; 35: 1334-41

Nussbam A, Kirsner, **Charles C**. Biofilms in dermatology. *Skin therapy letter*. 2012; 7:1-5

Jones E, **Charles C.** Botulinum Toxin A. In: Alexis A and Barbosa V (Eds). Skin of Color- A practical guide to dermatologic diagnosis and treatment. New York, NY. Springer 2013, pp 263-273

CLINICAL TRIALS

An assessment of the feasibility of studying the histologic characteristics of pigmented lesions by in vivo confocal scanning laser microscopy.

The study of the effects of Imiquimod on dysplastic nevi. An evaluation using conventional histology and in vivo confocal scanning laser microscopy.

A pivotal study to evaluate the safety and efficacy of cryopreserved bilayered cellular matrix (CRYO-OrCel™) for the treatment of venous ulcers.

A randomized, double-blinded, parallel-group, placebo-controlled, multicenter study to evaluate the efficacy and safety of repifermin (KGF-2, Human Genome Study) in subjects with venous ulcers.

The Kerlix A.M.D. gauze: a clinical study with venous stasis ulcers.

A pilot study to determine the effect of AQUACEL on bacterial count on chronic human wounds.

A double-blind, randomized, vehicle-controlled, sequential-dose-escalation study assessing the safety, clinical pharmacology, systemic disposition, and pharmacokinetics of MRE0094 gel versus matching vehicle gel when applied topically to subjects with diabetic, neuropathic, foot ulcers.

A pilot study to demonstrate the presence of biofilms in chronic wounds, and to assess the effect of biofilm eradication on wound healing.

Analysis of gene expression by microarray in chronic venous ulcers.

A phase II study of safety and efficacy of topical administration of recombinant human lactoferrin to patients with lower extremity diabetic neuropathic ulcers

A single center, double blind, randomized study to determine the efficacy and safety of topically applied minoxidil in a liposomal vehicle, for the treatment of chronic lower extremity ulcers

