

CURRICULUM VITAE**Name:** Shawn E. Cowper, M.D.**School:** Yale University School of Medicine**Education:** B.S. Cellular and Molecular Biology, University of Michigan, 1986
B.S. English Literature, University of Michigan, 1986
M.D. Michigan State University, College of Human Medicine, 1990**Career/Academic Appointments:**

1990-91 PGY1, General Surgery, Henry Ford Hospital, Detroit, MI
 1992-95 Primary Care Physician, Peninsula Medical Center, Marblehead, Ohio
 1992-95 Staff, Magruder Hospital, Port Clinton, Ohio
 1995-99 PGY2-5, Anatomic and Clinical Pathology, University of South Florida, Tampa, FL.
 1998-99 Chief Resident, Pathology, University of South Florida, Tampa, FL.
 1999-2001 Fellow in Dermatopathology, University of California, San Francisco, CA.
 2001-08 Assistant Professor, Dept. of Dermatology and Pathology, Yale University School of Medicine, New Haven, CT
 2008- Associate Professor, Dept. of Dermatology and Pathology, Yale University School of Medicine, New Haven, CT

Administrative Positions:

2011 Co-Director, 5th Annual Symposium on NSF and Allied Systemic Fibrosing Disorders (May 20-21, 2011, Yale University, New Haven, CT).
 2010- Chairman, Medical Advisory Council, Global Fibrosis Foundation
 2009- Co-Chair, Informatics Ad Hoc Committee, American Society of Dermatopathology
 2010 Co-Director, 4th Annual Seminar on NSF and Gadolinium Contrast (May 14-15, 2010, New York Academy of Sciences, NYC).
 2009- Board Member and Cofounder, Global Fibrosis Foundation
 2009 Co-Director, 3rd Annual Seminar on NSF and Gadolinium Contrast
 2008 Co-Director, 2nd Annual Seminar on NSF and Gadolinium Contrast
 2007 Physician Information Technology Liaison (Dermatopathology)
 2007 Co-Director, 1st Annual Seminar on NSF and Gadolinium Contrast
 2006 Guest Editor: Seminars in Cutaneous Medicine and Surgery (March)
 2002-04 Director, Dermatopathology LIS search and implementation
 2002-03 Assistant Curriculum Director, Dermatopathology Master Series (Mdlive.net)
 1999- Director, International Registry for Nephrogenic Systemic Fibrosis
 1998-99 Chief Resident, Anatomic and Clinical Pathology, USF, Tampa, FL.
 1997- Webmaster & Editor, Pathmax.com (Pathology Education Meta-index)
 1992-95 Director, Peninsula Medical Center, Marblehead, Ohio

Board Certification:

2001 American Board of Pathology, Anatomic and Clinical Pathology
 2002 American Board of Pathology, Dermatopathology

Professional Honors & Recognition:

A) International/National/Regional

2011 # 1 MOST CITED article in the Journal of the American Academy of Dermatology since 2005 (source JAAD and Scopus, 10/2011)

High WA, Ayers RA, Chandler J, Zito G, **Cowper SE**. Gadolinium is detectable within the tissue of patients with nephrogenic systemic fibrosis. J Amer Acad Dermatol 56(1): 21-26. January 2007

18 MOST CITED article in the Journal of the American Academy of Dermatology since 2005 (source JAAD and Scopus, 10/2011)

High WA, Ayers RA, **Cowper SE**. Gadolinium is quantifiable within tissue of patients with nephrogenic systemic fibrosis. J Amer Acad Dermatol 56(4): 710-2. April 2007

2005 Certificate of appreciation, College of American Pathologists (service on Internet Editorial Board)

2000 Presidential Honor, College of American Pathologists

1999 Pathology Alumni Foundation, Resident Research Award

1999 Henry A. Azar Award for Academic Excellence in Pathology

1998 Informatics Travel Award, College of American Pathologists

B) University

1998-99 Chief Resident, Pathology, University of South Florida, Tampa, FL.

Grant History:

A) Past Grants

Agency: General Clinical Research Center
I.D.# Established Investigator Grant
Title: "Nephrogenic Fibrosing Dermopathy an investigation of disease features and pathophysiology"
Co P.I.: Shawn Cowper, M.D., Richard Bucala, M.D. Ph.D.
Percent effort: 90%
Total costs: \$19,800
Project period: 01/01/2004 – 12/30/2006

Agency: Dermatology Foundation
I.D.# Established Investigator Grant
Title: "Dermopath.info: An online dermatopathology reference featuring integrated virtual microscopy"
P.I.: Shawn Cowper, M.D.
Percent effort: 70%

Total costs: \$20,000
Project period: 01/01/2002 – 12/30/2003

B) Current Grants

Agency: National Institutes of Health
I.D.#: 5R01CA102713
Title: "Research for Adverse Drug-Events and Reports"
Co P.I.: Shawn Cowper, MD, Ali Abu-Alfa, MD
Percent effort: 5%
Total costs: \$13,080
Project period: 9/1/10-8/31/11

Lectures, Courses, Web-based Education:

- 2011: American Society of Dermatopathology, Seattle, WA., Course director: "Basic Alopecia."

5th Annual Symposium on Nephrogenic Systemic Fibrosis and Allied Systemic Fibrosing Disorders, Yale University, May 20, New Haven, CT: "Nephrogenic Systemic Fibrosis: Context and Pathology Patterns."

Medicine Grand Rounds, June 10, University of Texas – Tyler Hospital, Tyler, TX: "Gadolinium and Nephrogenic Systemic Fibrosis."
- 2010: Yale University, Dermatology Grand Rounds, June 16, New Haven, CT.
"Nephrogenic Systemic Fibrosis: Unintended Consequences."

Fourth Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, New York Academy of Sciences, May 14, New York, NY: "Nephrogenic Systemic Fibrosis: Context, Connections and Direction."

American Society of Dermatopathology, Atlanta, GA., Course director: "Basic Alopecia."

Internal Medicine Grand Rounds, April 7, Florida Hospital, Orlando, FL:
"Nephrogenic Systemic Fibrosis: The End of the Beginning?"

"Apocrine & Eccrine" Yale Dermatology Resident Lecture

Fungi, Protozoa, Parasites & More! Yale Dermatology Resident Lecture
- 2009: US Food and Drug Administration Cardiovascular and Renal Drugs Advisory Committee, Dec 8, Gaithersburg, MD: "Nephrogenic Systemic Fibrosis: History, Definition and the Registry."

American Society of Dermatopathology, Chicago, IL., Course director: "Basic Alopecia."

Sheffield International Workshop on Experimental Studies of NSF, Sheffield, UK: "Clinicopathologic features of NSF."

Third Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, Yale University: "NSF: Historical Anchor Points."

Third Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, Yale University: "NSF: A Clinico-pathologic entity."

Third Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, Yale University: LaChance A, High WA, Abu-Alfa A, Cowper SE: "Total body survey of gadolinium levels in an autopsy case of nephrogenic systemic fibrosis."

University of Cincinnati, Dermatology Grand Rounds, Cincinnati, OH. "Nephrogenic Systemic Fibrosis: What we know and what we think we know."

2008: American Society of Nephrology, Renal Week, Philadelphia, PA. "Gadolinium based contrast agents and the risk of nephrogenic systemic fibrosis."

Nephrology Grand Rounds, Brown University, Providence, RI. "Nephrogenic Systemic Fibrosis—History, Context and Direction."

Medical Resident Lecture, NYU Dept of Internal Medicine, Bellevue Hospital, NY, NY. "NSF: Is it the type of gadolinium?"

Medical Grand Rounds, NYU Dept of Internal Medicine, NY, NY. "NSF: The train nobody saw coming." Annual Saul Farber Lecture.

Second Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, Yale University: "NSF: Overview and update."

Pathology Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Systemic Fibrosis for the pathologist"

20th Annual Meeting, European Congress of Radiology, Vienna, Austria. "Nephrogenic Systemic Fibrosis: What is it and where does it come from?" in NSF Symposium (NSF: Current situation and future direction)

28th Annual Dialysis Conference (Sponsored by the University of Missouri, Columbia), Orlando, FL. "Nephrogenic Systemic Fibrosis: Overview and Context" in NSF Symposium

Nineteenth Annual Symposium on Pediatric Dialysis, Orlando, FL. "Is gadolinium the culprit?" Keynote Address.

American Academy of Dermatologists, San Antonio, TX., "Is it the type of Gadolinium?"

Medical Dermatology Society Annual Meeting, San Antonio, TX. "Nephrogenic Systemic Fibrosis."

Clinical seminar of the Clinical Journal of the American Society of Nephrology, New Haven, CT. "New onset extremity pain and swelling in an ESRD patient following MRI."

2007: Radiological Society of North America, Chicago, IL. "Nephrogenic Systemic Fibrosis: Discovery, Detection, and Details." In Friday Imaging Symposium: "Intravenous Contrast Agents for CT and MR Imaging: Predicting and Preventing Adverse Events."

Neuroscience Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Systemic Fibrosis: Is it the Gadolinium?"

Dermatopathology Seminar, University of California, San Francisco, CA. "Nephrogenic Systemic Fibrosis, the first 10 years."

American Society of Nephrology, Renal Week, San Francisco, CA. "Dermatology for Nephrologists."

2nd Annual Body MRI Update, Phoenix, AZ. "Review of Nephrogenic Systemic Fibrosis."

21st World Congress of Dermatology, Buenos Aires, Argentina. "Nephrogenic Fibrosing Dermopathy." In Symposium 10: "Scleroderma and other sclerosing skin conditions."

New England Dermatological Society, New Haven, CT., "Nephrogenic Systemic Fibrosis Update."

Department of Medicine Grand Rounds, KCMS, Michigan State University, Kalamazoo, MI. "Nephrogenic Systemic Fibrosis: The first 10 years."

Department of Medicine Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Systemic Fibrosis and the role of MRI contrast media"

Department of Medicine Grand Rounds, University of Alabama, Birmingham, AL. "Nephrogenic Systemic Fibrosis: The first 10 years."

Division of Rheumatology Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Systemic Fibrosis: Is it the gadolinium?"

Evening Symposium (Tyco/Mallinckrodt Pharmaceuticals) Berlin, Germany, "Updates on Nephrogenic Systemic Fibrosis."

NSF working group of International Society of Magnetic Resonance in Medicine, Berlin, Germany, "Nephrogenic Systemic Fibrosis: What is it, where does it come from?"

Department of Dermatology, Charité Hospital, Berlin, Germany, "Nephrogenic Systemic Fibrosis."

First Annual Scientific Symposium on Nephrogenic Systemic Fibrosis and MRI Contrast, Yale University, Keynote Address: "Perspective of ten years of Nephrogenic Systemic Fibrosis."

Hospitalist In-service, Yale New Haven Hospital, New Haven, CT, "Nephrogenic Systemic Fibrosis."

Audio Interview, Dialogues in Dermatology, Washington DC., "NSF and Gadolinium."

American Academy of Dermatologists, Washington DC., "Is it the Gadolinium?"

Briefing to US Food and Drug Administration, Silver Spring, MD, "Nephrogenic Systemic Fibrosis: A ten year overview."

2006: Professor Rounds, Yale Dept of Medicine, New Haven, CT., "Nephrogenic Systemic Fibrosis."

Yale Nephrology Grand Rounds, New Haven, CT., "Nephrogenic Systemic Fibrosis, Case Presentation and Update."

American Society of Dermatopathology, Chicago, IL, "Nephrogenic Systemic Fibrosis: Truths, myths and speculations."

DC Dermatology Conference, Washington DC., "Nephrogenic Systemic Fibrosis."

Medical Grand Rounds, St. Vincent's Hospital, Bridgeport, CT., "Nephrogenic Systemic Fibrosis."

Medical Grand Rounds, St. Raphael's Hospital, New Haven, CT., "Nephrogenic Systemic Fibrosis."

2005: Advances in Research Conference: Why kidneys fail. American Society of Nephrology, Philadelphia, PA., "Nephrogenic Fibrosing Dermopathy."

New England Dermatological Society, New Haven, CT., "Nephrogenic Fibrosing Dermopathy Update."

American Society of Dermatopathology, Seattle, WA., Course Director: "Fibrosing and Sclerosing Disorders."

2004: Dermatology Grand Rounds, University of Pennsylvania, Philadelphia, PA., "Nephrogenic fibrosing dermopathy: The First Six Years."

American Society of Dermatopathology, Boston, MA., "Self Assessment Course"

2003: New England Dermatological Society, New Haven, CT., "Nephrogenic Fibrosing Dermopathy Update."

Division of Rheumatology Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Fibrosing Dermopathy."

- Dermatopathology Master Series (mdlive.net), "Cutaneous Anatomy (parts 1 & 2)."
- Dermatopathology Master Series (mdlive.net), "Inflammatory Skin Disease, Case Review."
- Dermatopathology Master Series (mdlive.net), "Cutaneous Deposits."
- 2002: Division of Nephrology Grand Rounds, Yale University, New Haven, CT., "Nephrogenic Fibrosing Dermopathy."
- Department of Pathology Annual Retreat, Hancock, MA., "Nephrogenic Fibrosing Dermopathy."
- 2001: New England Dermatological Society, New Haven, CT., "Nephrogenic Fibrosing Dermopathy."
- Virtual Microscopy: Teaching dermatopathology with flashpix images delivered via a streaming web-based image-server. (<http://www.pathmax.com/apiii/exp.html>)
- 2000: International Society of Dermatopathology, San Francisco, CA., "Fibrosing Dermopathy of Dialysis."
- Division of Dermatology Grand Rounds, University of California, San Francisco, "Splitting Hairs: The histopathologic evaluation of alopecia."
- Splitting Hairs: The histopathologic evaluation of alopecias. (<http://www.pathmax.com/hair.html>)
- Resident teaching session, University of California, San Francisco, CA. "Epidermal Bullous and Vesicular Disorders."
- International Center for Nephrogenic Fibrosing Dermopathy Research (<http://www.icnfd.org>) (<http://www.thickskin.info>)
- 1999: Pathology Research Day, University of South Florida, Tampa, FL. "Pulmonary injury patterns in mice following exposure to martian and lunar dust simulants."
- Resident teaching session, University of California, San Francisco, CA. "Epidermal Malformations."
- Resident lecture, Department of Pathology, University of South Florida, Tampa, "Androgenetic Alopecia: Science and Snake Oil."
- 1998: Resident lecture, Department of Pathology, University of South Florida, Tampa, "Death: A vicarious tour of life's final moments..."
- Resident lecture, Department of Pathology, University of South Florida, Tampa, "Consumption: Mankind's battle with tuberculosis."

Resident lecture, Department of Pathology, University of South Florida, Tampa, "Blood Typing: When what you see isn't what you get..."

1997: Pathmax: Pathology Education Directory (<http://www.pathmax.com>)

Resident lecture, Department of Pathology, University of South Florida, Tampa, "Unraveling the Romanov Mystery: Forensics, Genealogy and DNA fingerprinting."

Resident lecture, Department of Pathology, University of South Florida, Tampa, "The Conquest of Smallpox."

1996: Resident lecture, Department of Pathology, University of South Florida, Tampa, "Unsafe at any speed: The forensic evaluation of motorist death."

PROFESSIONAL SERVICE

Journal Service

Reviewer Ad Hoc: Amer J of Dermatopathology, J of Cutaneous Pathology, Amer J of Kidney Disease, Amer J of Med, J Amer Acad of Dermatol, British J of Dermatol, British J of Pharmacol, Sem in Arth and Rheum, New England J of Med, Lancet, Amer J of Transplant, Nature Clin Pract: Nephrology, Pediatric and Developmental Pathology, Clinical J of the Amer Society of Nephrology, Clinical and Experimental Dermatology, J of Magnetic Resonance Imaging, Clinical Nephrology, Transplantation, J of Cutaneous Med and Surg, Nephrology Dialysis Transplantation, Arch Dermatology, J of Dermatological Science

Professional Organizations

National Kidney Foundation/American College of Radiology

2007 Member, Nephrogenic Systemic Fibrosis Advisory Panel

International Society of Magnetic Resonance in Medicine

2007- Advisor, Nephrogenic Systemic Fibrosis Work Group

Connecticut Society of Dermatologists

2001-present Member

United States and Canadian Academy of Pathology

2002-present Member

American Society of Dermatopathology

2011- Lineage Committee

2010- Fellow

2009- Co-Chair, Informatics Ad Hoc Committee

2001-2010 Member

American Academy of Dermatology

2001-present Affiliate

International Society of Dermatopathology

2001-present Member

Association for Pathology Informatics

2000-present Member

College of American Pathologists

2003-2007 Advisor, Internet Editorial Board
2000-2002 Member, CAP World Wide Web Editorial Board (Internet Editorial Board)
2001 Member, Virtual Informatics College Project Planning and Design Group
2001- Fellow, College of American Pathologists
1999-2000 Junior Member, CAP World Wide Web Editorial Board
1998-1999 Resident Forum Delegate, Florida, College of American Pathologists
1997-1999 Inspector, Lab Accreditation Program
1997-2001 Resident Member

Florida West Coast Association of Pathologists

1995-1999 Resident Member

Pathology Alumni Foundation

1995-1999 Lifetime Member

Industrial Advisory

2007 Member, Pathology Working Group, Rat/Gadolinium exposure study, Experimental Pathology Laboratories
2007 Member, NSF Expert Panel, Bayer-Schering Pharma, AG (uncompensated)
2007 Uncompensated advisor, GE Healthcare
2007 Uncompensated advisor, Mallinckrodt Pharmaceuticals, Tyco Healthcare
2002-present Member, Advisory Board (derm.md) (uncompensated)

Media

1. Haas S. Nephrogenic Systemic Fibrosis: From a Medical Mystery to a Disease. Dermatology Focus (Publication of Dermatology Foundation) 27(4):1-10, Winter 2008/9
2. Sheil B. Did MRI Complications Cause Young Man's Death? WJW Channel 8 News, Cleveland, OH. May 19, 2008
3. Ramsey M. Nephrogenic systemic fibrosis. WVIT Channel 30 News, Hartford, CT. February 2007
4. Katz A. City doctor on the trail of a rare disease. New Haven Register, New Haven, CT. January 14, 2007

Yale University Service

University Committees

2005-2006 Member, Medical Campus IT Advisory Committee

Medical School Committees

2002-2004 Member, Yale Medical School Technology Working Group
 1997-1999 Member, University of South Florida Medical School Teaching Committee

Other Committees

2002 Member, Yale Medical Group Web Project Planning Committee

BIBLIOGRAPHY:

Peer-reviewed manuscripts

1. **Cowper SE**, Fiorica JV, Haller EM, Nicosia SV, Jones M, and Coppola D. Papillary Squamous Cell Carcinoma of the Vagina. *Cancer Control* (5)2: 179-183, 1998
2. **Cowper SE**. Traveling on the Information Superhighway: An express lane for pathologists and dermatopathologists. *J Cutaneous Pathol* 25(9): 491, 1998
3. **Cowper SE**, Lopez MA, Foulis PR. The lack of diagnostic utility of lactate dehydrogenase isoenzymes in the evaluation of acute myocardial infarction. *Laboratory Medicine* 29(10): 629-32, 1998
4. Morgan MB and **Cowper SE**. Expression of p27 (kip1) in Spitz nevi and melanomas. *Amer J Dermatopathol* 21(2): 121-124, 1999
5. **Cowper SE**, Morgan MB. Solitary Fibrous Tumor of the Skin. *Amer J Dermatopathol* 21(3): 213-9, 1999
6. Nelson C, **Cowper S**, and Morgan MB. p53, mdm-2, and p21(waf-1) in the Porokeratoses. *Amer J Dermatopathol* 21(5): 420-5, 1999
7. **Cowper SE**, Robin HS, Steinberg SM, Su LD, Gupta S, LeBoit PE. Scleromyxoedema-like cutaneous diseases in renal-dialysis patients. *The Lancet* 356(9234), 16 September 2000, 1000-1
8. **Cowper SE**, Su L, Robin H, Bhawan J, LeBoit PE. Nephrogenic Fibrosing Dermopathy. *Amer J Dermatopathol* 23(5): 383-393, 2001
9. **Cowper SE**, Rosenberg AS, Morgan MB. An Investigation of Apoptosis in Androgenetic Alopecia. *Amer J Dermatopathol* 24(3): 204-8, 2002
10. Chamlin SL, **Cowper SE**, Longley BJ, Williams ML. Generalized bullae in an infant. *Arch Dermatol* 138: 831-6, 2002
11. Lam CW, James JT, McCluskey R, **Cowper S**, Balis J, Muro-Cacho C. Pulmonary toxicity of simulated lunar and Martian dusts in mice: I. Histopathology 7 and 90 days after intratracheal instillation. *Inhal Toxicol* 14(9): 901-16, 2002
12. Quan TE, **Cowper S**, Wu SP, Bockenstedt LK, Bucala R. Circulating Fibrocytes: collagen-secreting cells of the peripheral blood. *Int J Biochem and Cell Bio* 36: 598-606, 2004.

13. McNiff JM, Subtil AS, **Cowper SE**, Lazova RL, Glusac EJ. Case 35-2004: Cellular Digital Fibromas: distinctive CD34-positive lesions that may mimic dermatofibrosarcoma protuberans. *J Cutan Pathol* 32(6): 413-8, 2005.
14. McNiff JM, **Cowper SE**, Lazova R, Subtil A, Glusac EJ. CD56 Staining in Merkel Cell Carcinoma and Natural Killer Cell Lymphoma: Magic Bullet, diagnostic pitfall, or both? *J Cutaneous Pathol* 32(8): 541-5, 2005.
15. **Cowper SE** and Watsky K. Kidney Disease and Stiff Legs – Module II, pp 1-2. Maintenance of Certification Manual for Dermatology (MOCMD). American Academy of Dermatology, Schaumburg, IL, September 1, 2005
16. Quan TE, **Cowper SE** and Bucala R. The role of circulating fibrocytes in fibrosis. *Curr Rheum Reports* 8(2): 145-50, March 2006
17. High WA, Ayers RA, Chandler J, Zito G, **Cowper SE**. Gadolinium is detectable within the tissue of patients with nephrogenic systemic fibrosis. *J Amer Acad Dermatol* 56(1): 21-26. January 2007
18. Kuo PH, Kanal E, Abu-Alfa A, **Cowper SE**. Gadolinium-Based MRI Contrast and Nephrogenic Systemic Fibrosis. [Editorial] *Radiology* 242(3): 647-9. March 2007
19. Deo A, Fogel MA, **Cowper SE**. Nephrogenic Systemic Fibrosis: A Population Study Examining the Relationship of Disease Development to Gadolinium Exposure. *Clin J Am Soc Nephrol* 2(2): 264-7. March 2007
20. High WA, Ayers RA, **Cowper SE**. Gadolinium is quantifiable within tissue of patients with nephrogenic systemic fibrosis. *J Amer Acad Dermatol* 56(4): 710-2. April 2007
21. Introcaso CE, Hivnor C, **Cowper S**, Werth VP. Nephrogenic fibrosing dermopathy/nephrogenic systemic fibrosis: a case series of nine patients and review of the literature. *Int J Dermatol* 46(5): 447-52. May 2007
22. Moreno-Romero JA, Tigell SS, Mascaro JM, Mateu CH, **Cowper SE**. Nephrogenic systemic fibrosis: A case series with gadolinium as a possible etiologic factor. *Br J Dermatol* 157(4):783-7. Oct 2007 Epub 2007 Jul 11
23. Girardi, M, Kay J, Elston DM, Leboit PE, Abu-Alfa A, **Cowper SE**. Nephrogenic Systemic Fibrosis: Clinicopathological Definition and Work-up Recommendations. *Jour Amer Acad Dermatol* Epub 2011 Jul 1

Case Reports, Technical Notes, Letters

1. **Cowper SE**, Morgan MB. Response to letter to the editor. *Amer J Dermatopathol* 23(3): 275, 2001
2. **Cowper SE**, Bucala R. Nephrogenic Fibrosing Dermopathy: Suspect Identified, Motive Unclear. *Amer J Dermatopathol* 25(4): 358, 2003.

3. **Cowper SE**, Bucala R, Leboit P. Case 35-2004: Nephrogenic Fibrosing Dermopathy. *N Engl J Med* 352(16): 1723, 2005.
4. Puri PK, Galan A, Glusac EJ, **Cowper SE**. Metastatic cutaneous carcinoid tumor mimicking an adnexal poroid neoplasm. *J of Cutan Pathol* 35(1):54-7. Jan 2008
5. Spock CR, Masood Q, **Cowper SE**, Narayan D. Fibrosis of the hand secondary to jet propellant exposure: a new clinical syndrome. *Plast Reconstr Surg*. 2009 Nov;124(5):266e-7e.
6. Cuffy MC, Singh M, Formica R, Simmons E, Abu-Alfa A, Carlson K, Girardi M, **Cowper SE**, Kulkarni S. Renal Transplantation for Nephrogenic Systemic Fibrosis: A case report and review of the literature. *Nephrol Dial Transplant*. 2010 epub 15 Nov 2010

Reviews, Chapters, Books

1. Scheinfeld NS, **Cowper SE**. Nephrogenic Fibrosing Dermopathy. *eMedicine Journal* [medicine web site] Available at <http://www.emedicine.com>, 2003
2. **Cowper SE**. Nephrogenic Fibrosing Dermopathy: The first six years. *Curr Opin Rheum* 15(6): 785-90, 2003.
3. **Cowper SE**. Nephrogenic Systemic Fibrosis: The Nosological and Conceptual Evolution of Nephrogenic Fibrosing Dermopathy. (Invited editorial) *Amer J Kidney Dis* 46(4):763-5, 2005.
4. **Cowper SE**, Bucala R. Nephrogenic Fibrosing Dermopathy/Nephrogenic Systemic Fibrosis: Setting the Record Straight. (Invited editorial) *Sem Arth Rheum* 35(4):208-10, February 2006
5. **Cowper SE**. Guest editor introduction. *Sem Cut Med Surg* 25(1): 1, March 2006
6. Sperling LC and **Cowper SE**. The histopathology of primary cicatricial alopecia. *Sem Cut Med Surg Rheum* 25(1): 41-50, March 2006
7. **Cowper SE** and Boyer PB. Nephrogenic Systemic Fibrosis: An Update for Rheumatology Professionals. *Curr Rheum Reports* 8(2): 151-7, March 2006
8. Dehoratius DM and **Cowper SE**. Nephrogenic Systemic Fibrosis: An Emerging Threat Among Renal Patients. *Sem in Dialysis* 19(3): 191-4, March 2006
9. Galan A, **Cowper SE**, Bucala R. Nephrogenic Systemic Fibrosis (Nephrogenic fibrosing dermatopathy). *Curr Opin Rheum* 18(6): 614-7. November 2006
10. Kucher CL and **Cowper SE**. Nephrogenic Systemic Fibrosis: A prototype fibrocyte disease in "Fibrocytes: New Insights into Tissue Repair and Systemic Fibroses" ed. Bucala R. ISBN 981-256-869-7 p195-225, 2007, World Scientific.

11. Miskulin D, Gul A, Rudnick MR and **Cowper SE**. Nephrogenic Systemic Fibrosis/Nephrogenic Fibrosing Dermopathy in severe renal failure. In: "UpToDate" ed. Rose BD, 2007, UpToDate, Waltham, MA.
12. **Cowper SE**. Nephrogenic Systemic Fibrosis: A review and exploration of the role of gadolinium. *Advan in Dermatol* 23:131-54. 2007
13. **Cowper SE**, Kuo PH, Bucala R. Nephrogenic Systemic Fibrosis and Gadolinium Exposure: Association and Lessons for Idiopathic Fibrosing Disorders. (Invited editorial) *Arth and Rheum* 56(10): 3173-5. Sep 2007
14. **Cowper SE**. Nephrogenic Systemic Fibrosis: An Overview. *JACR* 5(1):23-28. Jan 2008
15. Knopp E, **Cowper SE**. Nephrogenic Systemic Fibrosis: Early Recognition and Treatment. *Semin Dial.* 2008 Mar-Apr;21(2):123-8. Epub 2008 Jan 23.
16. **Cowper SE**, Rabach M, Girardi M. Clinical and Histological Findings in Nephrogenic Systemic Fibrosis. *Eur J Radiol.* 2008 May;66(2):191-9. Epub 2008 Mar 5.
17. **Cowper, SE**. Gadolinium: Is it to blame? *Jour Cut Pathol* 35:520-2. 2008
18. Namrata A, Pacheco TR, **Cowper SE**. The Effects of Transplantation on Preexisting Dermatoses. In: *Skin disease in organ transplantation*, Cambridge University Press, NY, NY. 2008 ISBN-13: 9780521870672
19. Kuo PH, Abu-Alfa A, Bucala R, Griffith J, Carlson K, Girardi M, Weinreb, J, **Cowper SE**. MRI in the era of nephrogenic systemic fibrosis: Review, controversies and suggestions for risk reduction. *Applied Radiol* 38(4):22-33. April 2009
20. Knopp E, **Cowper SE**. Chapter 154: Nephrogenic Systemic Fibrosis in "Treatment of Skin Disease, 3rd Edition" ed. Lewohl MG, et al., Elsevier. Dec 2009 ISBN: 978-0-7020-3121-2
21. Vakil V, Sung J, Piecychna M, Kuo P, Abu-Alfa A, **Cowper SE**, Bucala R, Gomer RH. Gadolinium-containing Magnetic Resonance Image Contrast Agent Promotes Fibrocyte Differentiation. *J Magn Reson Imaging.* 2009 Dec;30(6):1284-8.
22. Perazella MA, Pope JE, **Cowper SE**. Nephrogenic systemic fibrosis and other scleroderma mimickers. In: *A Clinician's Pearls & Myths in Rheumatology*, Springer, NY, NY. 2010 ISBN: 978-1-84800-933-2
23. Ko CJ, **Cowper SE**. Nephrogenic Systemic Fibrosis for Cardiologists. In: *Braunwald's Heart Disease, 8th E-dition*, Elsevier. 2010, ISBN-13: 9781416041047
24. Terushkin E, Leffell D, Futoryan T, **Cowper SE**, Lazova R. Squamoid Eccrine Ductal Carcinoma: A Case Report and Review of the Literature. *Am Jour Dermatopathol* 2010 May 32(3): 287-92. Epub 2009 Dec 14.
25. Braverman IM, **Cowper S**: Nephrogenic systemic fibrosis. *F1000 Med Rep.* 2010 Nov 24;2:84 [Requested review for Faculty of 1000]

26. Cuffy MC, Singh M, Formica R, Simmons E, Abu Alfa AK, Carlson K, Girardi M, **Cowper SE**, Kulkarni S. Renal transplantation for nephrogenic systemic fibrosis: a case report and review of the literature. *Nephrol Dial Transplant*. 2011 Mar;26(3):1099-101. Epub 2010 Nov 15.

In Press

27. Abu-Alfa A, Bennett CL, Laumann AE, Edwards BJ, Miller FH, West DP, McKoy JM, Bauer K, Singhal S, Boyle SN, Fisher MJ, Raisch DE, Lee CU, Rudnick MR, Weinreb JC, Sartor AO, Thomsen HS, **Cowper SE**. Gadolinium-based contrast media (GBCM) use and Nephrogenic Systemic Fibrosis: the importance of active pharmacovigilance and uniform adverse event reporting [in review]
28. Ko CJ, **Cowper SE**. Dermatologic Conditions in Renal Disease. In: Brenner & Rector's *The Kidney*, 9th Edition, Elsevier
29. Morcos S, Girardi M, Subtil A, Wilson LD, **Cowper SE**. Mycosis fungoides exhibiting features of a dermatofibroma: A case report and review of the literature. *Jour Cut Pathol* [accepted]
30. Saddleton E, Laumann AE, Nardone B, Edwards B, Raisch DW, McKoy JM, Belknap S, Bull C, Muller N, Haryani A, **Cowper SE**, Abu-Alfa AK, Miller F, West DP. Pediatric Nephrogenic Systemic Fibrosis: The Challenge of Counting Cases. [submitted to *Pediatrics*]

Book Projects (in process)

Sperling LC, Knopp EA, **Cowper SE**. *An Atlas of Hair Pathology with clinical correlations* Informa, pub 2012