

Curriculum Vitae

 Photo	Name (First Name, Middle Name Last Name)	Corey Allan Siegel
	Position	Section Chief, Gastroenterology and Hepatology Constantine and Joyce Hampers Professor of Medicine
	Affiliation	Dartmouth-Hitchcock Medical Center Geisel School of Medicine at Dartmouth
	Country	USA
	Major Field	Inflammatory Bowel Disease

Education Background		
EDUCATION		
2007-2009	M.S., Clinical/Health Services Research, The Dartmouth Institute for Health Policy and Clinical Practice, Geisel School of Medicine at Dartmouth, Hanover, New Hampshire	
1994-1998	M.D., Tufts University School of Medicine, Boston, Massachusetts	
1989-1993	B.S., Tufts University College of Liberal Arts, Medford, Massachusetts	
POSTDOCTORAL TRAINING		
2004-2005	Advanced Fellowship in Inflammatory Bowel Disease, Massachusetts General Hospital, Boston, Massachusetts Mentors: Dr. Bruce E. Sands & Dr. Joshua R. Korzenik	
2002-2005	Fellow in Gastroenterology, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire	
2001-2002	Chief Medical Resident, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire	
1999-2001	Resident, Internal Medicine, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire	
1998-1999	Intern, Internal Medicine, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire	

Professional Experience

ACADEMIC APPOINTMENTS

- 2021-present Constantine and Joyce Hampers Professor of Medicine, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2019-present Professor of Medicine and of the Dartmouth Institute for Health Policy and Clinical Practice, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2012-present Associate Professor of Medicine and of the Dartmouth Institute for Health Policy and Clinical Practice, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2012-2017 Adjunct faculty, White River Junction VA Outcomes Group
- 2010-2012 Assistant Professor, Dartmouth Institute for Health Policy & Clinical Practice, Geisel School of Medicine at Dartmouth, Hanover NH
- 2005-2012 Assistant Professor of Medicine, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2004-2005 Clinical and Research Fellow in Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA

HOSPITAL APPOINTMENTS

- 2017-present Section Chief, Gastroenterology and Hepatology, Dartmouth-Hitchcock Medical Center, Lebanon, NH
- 2012-2014, 2018-present Medical Director, Medical Infusion Services, Department of Medicine, Dartmouth-Hitchcock Medical Center, Lebanon, NH
- 2011-present Director, Gastroenterology and Hepatology Research Program, Section of Gastroenterology and Hepatology, Dartmouth-Hitchcock Medical Center, Lebanon, NH
- 2005-present Director (Co-Director as of January 2018), Inflammatory Bowel Disease Center, Section of Gastroenterology and Hepatology, Dartmouth-Hitchcock Medical Center, Lebanon, NH

Professional Organizations

PROFESSIONAL SOCIETY MEMBERSHIPS

- American College of Gastroenterology
- American Gastroenterological Association
- American Telemedicine Association
- Crohn's and Colitis Foundation

Scientific Publication

Original Publications

1. Barnes EL, Hanson JS, Regueiro MD, Saha S, Sands BE, Rubin DT, Dubinsky MC, **Siegel CA**, Gazis DR, Crawford JM, Long MD. Older Adult Patients Use More Aminosalicylate Monotherapy Compared With Younger Patients With Inflammatory Bowel Disease: TARGET-IBD..J Clin Gastroenterol. 2021 Jun 11. Online ahead of print.
2. Oliver BJ, Kennedy AM, van Deen WK, Weaver SA, Heller C, Holthoff MM, Bank J, Melmed GY, **Siegel CA**, Nelson EC. Development of Balanced Whole System Value Measures for

- Inflammatory Bowel Disease Care in the IBD Qorus Collaborative Using a Modified Delphi Process. Inflamm Bowel Dis. 2021 May 25. Online ahead of print.
3. Kim AH, Girgis A, De Cruz P, **Siegel CA**, Karimi N, Ruban SO, Sechi AJ, Ng WSW, Andrews JM, Connor SJ. Development and Feasibility of a Web-Based Decision Aid for Patients With Ulcerative Colitis: Qualitative Pilot Study. J Med Internet Res. 2021 Feb 25;23(2):e15946.
 4. Long MD, **Siegel CA**, Abraham BP, Chiorean M, Mahadevan U. Day Care Attendance and Infectious Complications in Children Born to Mothers with Inflammatory Bowel Disease. Clin Gastroenterol Hepatol. 2021. Online ahead of print.
 5. **Siegel CA**, Melmed GY, McGovern DP, Rai V, Krammer F, Rubin DT, Abreu MT, Dubinsky MC; International Organization for the Study of Inflammatory Bowel Disease (IOIBD). SARS-CoV-2 vaccination for patients with inflammatory bowel diseases: recommendations from an international consensus meeting. Gut. 2021 Apr;70(4):635-640.
 6. Battat R, Lukin D, Scherl EJ, Pola S, Kumar A, Okada L, Yang L, Jain A, **Siegel CA**. Immunogenicity of Tumor Necrosis Factor Antagonists and Effect of Dose Escalation on Anti-Drug Antibodies and Serum Drug Concentrations in Inflammatory Bowel Disease. Inflamm Bowel Dis. 2020. Online ahead of print.
 7. Falling C, Stebbings S, Baxter GD, **Siegel CA**, Gearry RB, Nijs J, Mani R. Symptoms of central sensitization in patients with inflammatory bowel diseases: a case-control study examining the role of musculoskeletal pain and psychological factors. Scand J Pain. 2020. Online ahead of print.
 8. Lukin D, Faleck D, Xu R, Zhang Y, Weiss A, Aniwan S, Kadire S, Tran G, Rahal M, Winters A, Chablaney S, Koliani-Pace JL, Meserve J, Campbell JP, Kochhar G, Bohm M, Varma S, Fischer M, Boland B, Singh S, Hirten R, Ungaro R, Lasch K, Shmidt E, Jairath V, Hudesman D, Chang S, Swaminath A, Shen B, Kane S, Loftus EV Jr, Sands BE, Colombel JF, **Siegel CA**, Sandborn WJ, Dulai PS. Comparative Safety and Effectiveness of Vedolizumab to Tumor Necrosis Factor Antagonist Therapy for Ulcerative Colitis. Clin Gastroenterol Hepatol. 2020 Oct 8:S1542-3565(20)31388-4.
 9. Dulai PS, Raffals LE, Hudesman D, Chiorean M, Cross R, Ahmed T, Winter M, Chang S, Fudman D, Sadler C, Chiu EL, Ross FL, Toups G, Murad MH, Sethuraman K, Holm JR, Guilliod R, Levine B, Buckey JC Jr, **Siegel CA**. A phase 2B randomised trial of hyperbaric oxygen therapy for ulcerative colitis patients hospitalised for moderate to severe flares. Aliment Pharmacol Ther. 2020 Sep;52(6):955-963.
 10. Kim AH, Girgis A, Karimi N, Sechi AJ, Descallar J, Andrews JM, **Siegel CA**, Connor SJ A Web-Based Decision Aid (myAID) to Enhance Quality of Life, Empowerment, Decision Making, and Disease Control for Patients With Ulcerative Colitis: Protocol for a Cluster Randomized Controlled Trial. JMIR Res Protoc. 2020 Jul 10;9(7):e15994.
 11. Bohm M, Xu R, Zhang Y, Varma S, Fischer M, Kochhar G, Boland B, Singh S, Hirten R, Ungaro R, Shmidt E, Lasch K, Jairath V, Hudesman D, Chang S, Lukin D, Swaminath A, Sands BE, Colombel JF, Kane S, Loftus EV Jr, Shen B, **Siegel CA**, Sandborn WJ, Dulai PS; VICTORY Collaboration. Comparative safety and effectiveness of vedolizumab to tumour necrosis factor antagonist therapy for Crohn's disease. Aliment Pharmacol Ther. 2020 Aug;52(4):669-681.

12. Siegel CA, Yang F, Eslava S, Cai Z. Treatment pathways leading to biologic therapies for ulcerative colitis and Crohn's disease in the United States. *Clin Transl Gastroenterol.* 2020;11(2):e00128.
13. Coburn ES, Siegel CA, Winter M, Shah ED. Hemophagocytic Lymphohistiocytosis Occurring in Inflammatory Bowel Disease: Systematic Review. *Dig Dis Sci.* 2021 Mar;66(3):843-854.
14. van Deen WK, Kiaei B, Weaver SA, Crate DJ, Kwon MH, Shah SA, Melmed GY, Siegel CA. A qualitative inquiry into patients' perspectives on individualized priorities for treatment outcomes in inflammatory bowel diseases. *Qual Life Res.* 2020 Sep;29(9):2403-2414
15. Rubin DT, Abreu MT, Rai V, Siegel CA. Management of Patients With Crohn's Disease and Ulcerative Colitis During the Coronavirus Disease-2019 Pandemic: Results of an International Meeting.; International Organization for the Study of Inflammatory Bowel Disease. *Gastroenterology.* 2020 Jul;159(1):6-13
16. Papamichael K, Clarke WT, Vande Castele N, Germansky KA, Feuerstein JD, Melmed GY, Siegel CA, Irving PM, Cheifetz AS. Comparison of Assays for Therapeutic Monitoring of Infliximab and Adalimumab in Patients With Inflammatory Bowel Diseases. *Clin Gastroenterol Hepatol.* 2021 Apr;19(4):839-841.
17. Dulai PS, Singh S, Castele NV, Meserve J, Winters A, Chablaney S, Aniwan S, Shashi P, Kochhar G, Weiss A, Koliani-Pace JL, Gao Y, Boland BS, Chang JT, Faleck D, Hirten R, Ungaro R, Lukin D, Sultan K, Hudesman D, Chang S, Bohm M, Varma S, Fischer M, Shmidt E, Swaminath A, Gupta N, Rosario M, Jairath V, Guizzetti L, Feagan BG, Siegel CA, Shen B, Kane S, Loftus EV Jr, Sandborn WJ, Sands BE, Colombel JF, Lasch K, Cao C. Development and Validation of Clinical Scoring Tool to Predict Outcomes of Treatment With Vedolizumab in Patients With Ulcerative Colitis. *Clin Gastroenterol Hepatol.* 2020 Dec;18(13):2952-2961.
18. Shah ED, Coburn ES, Nayyar A, Lee KJ, Koliani-Pace JL, Siegel CA. Systematic review: hepatosplenic T-cell lymphoma on biologic therapy for inflammatory bowel disease, including data from the Food and Drug Administration Adverse Event Reporting System. *Aliment Pharmacol Ther.* 2020 Mar;51(5):527-533.
19. Danese S, Neurath MF, Kopoń A, Zakko SF, Simmons TC, Fogel R, Siegel CA, Panaccione R, Zhan X, Usiskin K, Chitkara D Effects of Apremilast, an Oral Inhibitor of Phosphodiesterase 4, in a Randomized Trial of Patients With Active Ulcerative Colitis. *Clin Gastroenterol Hepatol.* 2020 Oct;18(11):2526-2534
20. Siegel CA, Thompson KD, Walls D, Gollins J, Buisson A, Olympie A, Beaugerie L, Colombel JF, Louis E; BIOCYCLE group. Perspectives From Patients and Gastroenterologists on De-escalating Therapy for Crohn's Disease. *Clin Gastroenterol Hepatol.* 2021 Feb;19(2):403-405.
21. Dulai PS, Amiot A, Peyrin-Biroulet L, Jairath V, Serrero M, Filippi J, Singh S, Pariente B, Loftus EV Jr, Roblin X, Kane S, Buisson A, Siegel CA, Bouhnik Y, Sandborn WJ, Lasch K, Rosario M, Feagan BG, Bojic D, Trang-Poisson C, Shen B, Altwegg R, Sands BE, Colombel JF, Carbonnel F; GETAID OBSERV-IBD, VICTORY Cohorts A clinical decision support tool may help to optimise vedolizumab therapy in Crohn's disease. Collaboration* *Aliment Pharmacol Ther.* 2020 Mar;51(5):553-564.

22. Clarke WT, Papamichael K, Vande Castele N, Germansky KA, Feuerstein JD, Melmed GY, **Siegel CA**, Irving PM, Cheifetz AS. Infliximab and Adalimumab Concentrations May Vary Between the Enzyme-Linked Immunosorbent Assay and the Homogeneous Mobility Shift Assay in Patients With Inflammatory Bowel Disease: A Prospective Cross-Sectional Observational Study. *Inflamm Bowel Dis.* 2019 Oct;18;25(11):e143-e145
23. Koliani-Pace JL, Haron AM, Zisman-Ilani Y, Thompson KD, **Siegel CA**. Patients' Perceive Biologics to Be Riskier and More Dreadful Than Other IBD Medications. *Inflamm Bowel Dis.* 2020 Jan 1;26(1):141-146.
24. Koliani-Pace JL, Singh S, Luo M, Hirten R, Aniwan S, Kochhar G, Chang S, Lukin D, Gao Y, Bohm M, Swaminath A, Gupta N, Shmidt E, Meserve J, Winters A, Chablaney S, Faleck DM, Yang J, Huang Z, Boland BS, Shashi P, Weiss A, Hudesman D, Varma S, Fischer M, Sultan K, Shen B, Kane S, Loftus EV, Sands BE, Colombel JF, Sandborn WJ, Lasch K, **Siegel CA**, Dulai PS. Changes in Vedolizumab Utilization Across US Academic Centers and Community Practice Are Associated With Improved Effectiveness and Disease Outcomes. *Inflamm Bowel Dis.* 2019 Oct 18;25(11):1854-1861.
25. Sparrow MP, Melmed GY, Devlin D, Kozuch P, Raffals L, Loftus Jr EV, Rubin DT, Spiegel B, Baidoo L, Bressler B, Cheifetz A, Irving P, Jones J, Kaplan GG, Velayos F, **Siegel CA**. De-escalating medical therapy in Crohn's disease patients who are in deep remission: A RAND appropriateness panel. *GastroHep* May 2019; 1(3): 108-117.
26. Papamichael K, Cheifetz AS, Melmed GY, Irving PM, Castele NV, Kozuch PL, Raffals LE, Baidoo L, Bressler B, Devlin SM, Jones J, Kaplan GG, Sparrow MP, Velayos FS, Ullman T, **Siegel CA**. Appropriate Therapeutic Drug Monitoring of Biologic Agents for Patients With Inflammatory Bowel Diseases. *Clin Gastroenterol Hepatol.* 2019. 17(9):1655-1668.
27. Rubin DT, Ananthakrishnan AN, **Siegel CA**, Sauer BG, Long MD. ACG Clinical Guideline: Ulcerative Colitis in Adults. *Am J Gastroenterol.* 2019 Mar;114(3):384-413.
28. Faleck DM, Winters A, Chablaney S, Shashi P, Meserve J, Weiss A, Aniwan S, Koliani-Pace JL, Kochhar G, Boland B, Singh S, Hirten R, Shmidt E, Kesar V, Lasch K, Luo M, Bohm M, Varma S, Fischer M, Hudesman D, Chang S, Lukin D, Sultan K, Swaminath A, Gupta N, **Siegel CA**, Shen B, Sandborn WJ, Kane S, Loftus EV Jr, Sands BE, Colombel JF, Dulai PS, Ungaro R. Shorter Disease Duration Is Associated With Higher Rates of Response to Vedolizumab in Patients With Crohn's Disease But Not Ulcerative Colitis. *Clin Gastroenterol Hepatol.* 2019;17:2497.
29. Meserve J, Aniwan S, Koliani-Pace JL, Shashi P, Weiss A, Faleck D, Winters A, Chablaney S, Kochhar G, Boland BS, Singh S, Hirten R, Shmidt E, Hartke JG, Chilukuri P, Bohm M, Sagi SV, Fischer M, Lukin D, Hudesman D, Chang S, Gao Y, Sultan K, Swaminath A, Gupta N, Kane S, Loftus EV Jr, Shen B, Sands BE, Colombel JF, **Siegel CA**, Sandborn WJ, Dulai PS. Retrospective Analysis of Safety of Vedolizumab in Patients With Inflammatory Bowel Diseases. *Clin Gastroenterol Hepatol.* 2019;17:1533.
30. Telesco SE, Brodmerkel C, Zhang H, Kim LL, Johanns J, Mazumder A, Li K, Baribaud F, Curran M, Strauss R, Paxson B, Plevy S, Davison T, Knight L, Dibben S, Schreiber S, Sandborn W, Rutgeerts P, **Siegel CA**, Reinisch W, Greenbaum LE. Gene Expression Signature for Prediction of Golimumab Response in a Phase 2a Open-Label Trial of Patients With Ulcerative Colitis. *Gastroenterology.* 2018 Oct;155(4):1008-1011.

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33. Schreiber S, **Siegel CA**, Friedenberg KA, Younes ZH, Seidler U, Bhandari BR, Wang K, Wendt E, McEvitt M, Zhao S, Sundy JS, Lee SD, Loftus EV Jr. A Phase 2, Randomized, Placebo-Controlled Study Evaluating Matrix Metalloproteinase-9 Inhibitor, Andexcaliximab, in Patients with Moderate to Severely Active Crohn's Disease. *J Crohns Colitis.* 2018. Epub ahead of print.
34. Shmidt E, Kochhar G, Hartke J, Chilukuri P, Meserve J, Chaudrey K, Koliani-Pace JL, Hirten R, Faleck D, Barocas M, Luo M, Lasch K, Boland BS, Singh S, Vande Casteele N, Sagi SV, Fischer M, Chang S, Bohm M, Lukin D, Sultan K, Swaminath A, Hudesman D, Gupta N, Kane S, Loftus EV Jr, Sandborn WJ, **Siegel CA**, Sands BE, Colombel JF, Shen B, Dulai PS. Predictors and Management of Loss of Response to Vedolizumab in Inflammatory Bowel Disease. *Inflamm Bowel Dis.* 2018 Oct 12;24(11):2461-2467.
35. Ma C, Hussein IM, Al-Abbar YJ, Panaccione R, Fedorak RN, Parker CE, Nguyen TM, Khanna R, **Siegel CA**, Peyrin-Biroulet L, Pai RK, Vande Casteele N, D'Haens GR, Sandborn WJ, Feagan BG, Jairath V. Heterogeneity in Definitions of Efficacy and Safety Endpoints for Clinical Trials of Crohn's Disease: A Systematic Review for Development of a Core Outcome Set. *Clin Gastroenterol Hepatol.* 2018;16(9):1407-1419.
36. Lo B, Vester-Andersen MK, Vind I, Prosberg M, Dubinsky M, **Siegel CA**, Bendtsen F, Burisch J. Changes in Disease Behaviour and Location in Patients With Crohn's Disease After Seven Years of Follow-Up: A Danish Population-based Inception Cohort. *J Crohns Colitis.* 2018 Feb 28;12(3):265-272.
37. Melmed GY, Kaplan GG, Sparrow MP, Velayos FS, Baidoo L, Bressler B, Cheifetz AS, Devlin SM, Irving PM, Jones J, Kozuch PL, Raffals LE, **Siegel CA**. Appropriateness of Combination Therapy in Inflammatory Bowel Disease: One Size Still Does Not Fit All. *Clin Gastroenterol Hepatol.* 2018. Epub ahead of print.
38. Dulai PS, Buckey JC Jr., Raffals LE, Swoger JM, Claus PL, O'Toole K, Ptak JA, Gleeson MW, Widjaja CE, Chang JT, Adler JM, Patel N, Skinner LA, Haren SP, Goldby-Reffner K, Thompson KD, **Siegel CA**. Hyperbaric oxygen therapy is well tolerated and effective for ulcerative colitis patients hospitalized for moderate-severe flares: a phase 2A pilot multi-center, randomized, double-blind, sham-controlled trial. *Am J Gastroenterol.* 2018. Epub ahead of print.

39. Grossberg LB, Papamichael K, Feuerstein JD, **Siegel CA**, Ullman TA, Cheifetz AS. A Survey Study of Gastroenterologists' Attitudes and Barriers Toward Therapeutic Drug Monitoring of Anti-TNF Therapy in Inflammatory Bowel Disease. *Inflamm Bowel Dis.* 2017 Dec;24(1):191-197.
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41. Parker S, Zipursky J, Ma H, Baumblatt GL, **Siegel CA**. A Web-based Multimedia Program Before Colonoscopy Increased Knowledge and Decreased Anxiety, Sedation Requirement, and Procedure Time. *J Clin Gastroenterol.* 2017. Epub ahead of print.
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44. Ma C, Panaccione R, Fedorak RN, Parker CE, Nguyen TM, Khanna R, **Siegel CA**, Peyrin-Biroulet L, D'Haens G, Sandborn WJ, Feagan BG, Jairath V. Heterogeneity in Definitions of Endpoints for Clinical Trials of Ulcerative Colitis: A Systematic Review for Development of a Core Outcome Set. *Clin Gastroenterol Hepatol.* 2017. Epub ahead of print.
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9. **Siegel CA** (2010). Comprehensive approach to patient risk. Risk versus benefit of biologics and immune suppressants. In: SR Targan, F Shanahan, LC Karp, eds. Inflammatory bowel disease: Translating basic science into clinical practice (pp. 678- 692). Oxford, UK: Wiley- Blackwell.
10. **Siegel CA** (2010). Risks and complications of biologic therapy. In: D Baumgart, ed. Biologic therapy for inflammatory bowel disease (pp. 64-73). Bremen: UNI-MED.
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15. Johnson FR, Hauber AB, Ozdemir S, Hass S, **Siegel CA**, Sands BE (2009). Quantitative benefit-risk tradeoff preference for Crohn's disease treatments – Implications for regulatory decision making and disease management. In: Crohn's disease: Etiology, Pathogenesis and Interventions. (pp. 457-466).
16. **Siegel CA**, Levy, LC (2009). What tips should I give my surgical colleagues who are seeing patients with pouchitis? In: Cash B, ed. Curbside consultation of the colon: 49 clinical questions. (pp. 133-135).

Honors & Awards

Endowed Professorship: Constantine and Joyce Hampers Professor of Medicine

Dartmouth-Hitchcock Department of Medicine Excellence in Teaching Award, 7-time awardee

New Hampshire Magazine Top Doctors, 2017-present

Inducted into Alpha Omega Alpha (AOA) Honor Medical Society, Geisel School of Medicine Chapter, 2017

America's Top Doctors, 9th Edition-present

American Journal of Gastroenterology Annual Lecturer, Orlando, FL, October 2017

Crohn's and Colitis Foundation Caring for a Cure Award, December 2016

American College of Gastroenterology, Best Abstract in Outcomes Research, ACG Annual Meeting 2016

Humanitarian of the Year, Crohn's and Colitis Foundation of America, New England Chapter, 2014

Inducted into the International Organization for the Study of Inflammatory Bowel Disease (IOIBD) March 2013. <http://www.ioibd.org/>

Crohn's and Colitis Foundation of America (CCFA) Young IBD Investigator Award, May 2008. San Diego, CA

Research Excellence in GI and Liver (REGAL) Award recipient, October 2006, Chicago, IL

