# Sarah Elizabeth Streett, MD, AGAF

Clinical Professor of Medicine, Stanford University

#### **DEMOGRAPHIC AND CONTACT INFORMATION**

## **Current Appointments**

2021 - Present Clinical Professor of Medicine, Stanford University School of Medicine

2022 - Present Director, Advanced Inflammatory Bowel Disease Fellowship

2020 - Present Director, Inflammatory Bowel Disease Education, Stanford School of Medicine

2020 - Present FDA, Member, Gastrointestinal Drugs Advisory Committee

#### **Contact Information**

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#### **EDUCATION AND TRAINING**

## Undergraduate

| 1983 - 1986 | Bachelor of Arts, Sarah Lawrence College |
|-------------|--|
| 1986 - 1987 | Oxford University, Wadham College        |

### Doctoral

1987 - 1991 Doctor of Medicine, John Hopkins University, School of Medicine

### Postdoctoral

| 1994 - 1997 | Gastroenterology Fellowship, Stanford University School of Medicine  |
|-------------|--|
| 1992 - 1994 | Internal Medicine Residency, Stanford University School of Medicine  |
| 1991 - 1992 | Internal Medicine Internship, Stanford University School of Medicine |

### Professional Development

| 2020       | Essentials of Clinical Research Course, Stanford University |
|------------|---|
| 2018, 2019 | Stanford Department of Medicine Leadership Course I and II  |

2016 AGA Women in Medicine Leadership Program, TX

#### PROFESSIONAL EXPERIENCE

## Academic Appointments

| 2/2021-Present | Clinical Professor of Medicine | . Division of | Gastroenterology. | Stanford University | tv |
|----------------|--------------------------------|---------------|-------------------|---------------------|----|
|                |                                |               |                   |                     |    |

2022- Present Director, Advanced Inflammatory Bowel Disease Fellowship

| 2020 -Present   | Director, Inflammatory Bowel Disease Education, Stanford School of Medicine        |
|-----------------|--|
| 2016 - 2020     | Clinical Director, Inflammatory Bowel Disease, Stanford School of Medicine         |
| 1/2016 - 2/2021 | Clinical Associate Professor of Medicine, Division of Gastroenterology Stanford    |
| 9/2015          | Clinical Instructor of Medicine, Division of Gastroenterology, Stanford University |
| 2004 - 2015     | Attending Gastroenterologist, Kaiser Permanente Medical Center, Vallejo, CA        |
| 2000 - 2001     | Attending Gastroenterologist, Palo Alto Veterans Affairs Hospital                  |
| 1997 -1 999     | Attending Gastroenterologist, Tacoma Digestive Disease Center                      |

# FDA Appointments

2017 - Present Special Government Employee, Food and Drug Administration

2017 Member, Arthritis Advisory Committee, Adalimumab Biosimilar Review

# CMS Appointments

2019 MACRA Episode-Based Cost Measure Wave 3

Chronic Care Disease Management Subcommittee, CMS

### Institutional Service

| 2021 - Present | Co-Lead, Stanford Gastroenterology Community Care Collaborative   |
|----------------|---|
| 2021 - 2022    | Pediatric IBD and Celiac Director Search Committee                |
| 2021- Present  | Maternal & Child Health Research Institute Grant Review Committee |
| 2020 - Present | Member, Community GI Advisory Council                             |
| 2019 - Present | Member, Department of Medicine Diversity-Inclusion Committee      |
| 2019 - 2021    | Gastroenterology Fellowship Interview Committee                   |
| 2021           | Internal Medicine Residency Interviewer                           |
| 2016 - 2020    | Member, GI Clinical Leadership Committee                          |
| 2019 - 2020    | GI Fellowship Selection Committee                                 |
| 2014 - 2015    | Clinical Lead, IBD Workgroup, Kaiser Permanente                   |

## NATIONAL COMMITTEE SERVICE

## American Gastroenterology Association

| 2021 2022      | Naminatina Committee                      |
|----------------|---|
| 2021 - 2022    | Nominating Committee                      |
| 2018 - Present | Member, Government Affairs Committee      |
| 2015 - 2018    | Chair, Practice Management and Economics  |
| 2016 - 2017    | Member, Leadership Council                |
| 2015 - 2017    | Chairperson, Obesity Workgroup Task Force |
| 2013 - 2015    | Member, Practice Management Committee     |
| 2015           | Member, Roadmap Task Force                |
| 2014 - 2015    | Member, Women's Leadership Council        |
| 4/2014         | Member, Strategic Planning Task Force     |
| 2013 - 2015    | Member, Practice Management Committee     |

| 2012 - 2013     | Member, Nominating Committee   |
|-----------------|--|
| 2008 - 2012     | Member, Women's Committee  |
| 6/2004 - 5/2005 | Member, Task Force on Women in Gastroenterology  |
| 6/2007 - 5/2008 | Member, Task Force on Women in Gastroenterology  |
|                 |  |
| 9/2020          | California Delegation Lead, Political Advocacy Day, Washington DC                                    |
| 9/2014          | Attendee, Political Advocacy Day, Washington, DC   |
| 0/2010          |  |
| 9/2018          | Attendee, Political Advocacy Day, Washington, DC   |
| 9/2018 9/2019   | Attendee, Political Advocacy Day, Washington, DC<br>Attendee, Political Advocacy Day, Washington, DC |
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## Crohn's and Colitis Foundation of America

| 2021 - Present | National Scientific Advisory Committee, Crohn's and Colitis Foundation  |
|----------------|---|
| 2009 - Present | Crohn's and Colitis Medical Advisory Board  |
| 2008 - 2015    | Past President, Northern California Society of Clinical Gastroenterology<br>Computerized Finances, Attained 501C status<br>Planned and funded NorCal DDW reviews & educational dinners annually<br>Obtained sustaining grant from Johnson & Johnson |

6/1986 - 9/1986 Volunteer, ALERT Leprosy Hospital, Addis Ababa, Ethiopia

### **Professional Societies**

| 1986 - Present | American Gastroenterology Association                             |
|----------------|---|
| 2009 - Present | Crohn's and Colitis Foundation                                    |
| 2019 - Present | Maternal and Child Health Research Institute, Stanford University |

## PUBLICATIONS AND SCHOLARSHIP

#### Peer-reviewed

Maarten J. Wensink MD PhD, **Sarah E. Streett MD AGAF**, Per Damkier MD PhD, Rune Lindahl-Jacobsen PhD, Jens Kjeldsen MD PhD, Michael L. Eisenberg MD. Balsalazide exposure during the development of fertilizing sperm may be associated with offspring birth defects. Inflamm. Bowel Dis. In press

Nielsen OH, Gubatan JM, Juhl CB, **Streett SE**, Maxwell C. Biologics for Inflammatory Bowel Disease and Their Safety in Pregnancy: A Systematic Review and Meta-analysis. Clin Gastroenterol Hepatol. 2022 Jan;20(1):74-87

Rao A, Zikos T, Garay G, Lee K, **Streett S.** Patients Report Infrequent Counseling by Physicians and Inadequate Knowledge About Inflammatory Bowel Disease (IBD) and Reproductive Health Issues. Am J Perinatol. 2021 Dec 13. doi: 10.1055/s-0041-1740193Mathews SC, Natarajan Y, Sofia MA, Patel A, Francis D, **Streett S**, Siddique SM; AGA Government Affairs Committee. Gastroenterology. 2021 Sep;161(3):765-769

Gubatan, J., Nielsen, OH, Levitte, S., Juhl, C.B., Maxwell, C., **Streett, S.**, Habtezion, A. Biologic Therapy During Pregnancy in Women with Inflammatory Bowel Disease and Risk of Infantile Infections: A Systematic Review and Meta-Analysis. Am J Gastroenterol. 2021 Feb 1;116(2):243-253.

Mathews S, Natarajan Y, Sofia A, Patel A, Francis D, **Streett S**, Siddique S. Development of AGA's Policy Agenda During the COVID-19 Pandemic. Government Affairs Committee AGA. Gastroenterology. 2021 May 11:S0016-5085(21)02971-1.

Nielsen, OH, Gubatan, J., Juhl, C.B., **Streett, S**., Maxwell, C. Biologics for Inflammatory Bowel Disease and their Safety in Pregnancy: A Systematic Review and Meta-analysis. Clin Gastroenterol Hepatol. 2020 Sep 12:S1542-3565(20)31281-7.

Rubin SJS, Bai L, Haileselassie Y, Garay G, Yun C, Becker L, **Streett** SE, Sinha SR, Habtezion A. Mass Cytometry reveals systemic and local immune signatures that distinguish inflammatory bowel diseases. Nat Commun. 2019 Jun 19;10(1):2686.

Weingarden AR, Smith P, **Streett S**, Triadafilopoulos G. A Failure to Communicate: Disentangling the Causes of Perianal Fistulae in Crohn's Disease and Anal DSquamous Cell Cancer. Dig Dis Sci. 2020 Oct;65(10):2806-2809.

### Peer-reviewed Educational Publications

Ligibel JA, Alfano CM, Hershman DL, Merrill JK, Basen-Engquist K, Bloomgarden ZT, Demark-Wahnefried W, Dixon S, Hassink SG, Jakicic JM, Morton JM, Okwuosa TM, Powell-Wiley TM, Rothberg AE, Stephens M, **Streett SE**, Wild RA, Westman EA, Williams RJ, Wollins DS, Hudis CA. American Society of Clinical Oncology Summit on Addressing Obesity Through Multidisciplinary Provider Collaboration: Key Findings and Recommendations for Action. Obesity (Silver Spring). 2017 Nov;25 Suppl 2:S34-S39.

Acosta A, **Streett S**, Kroh MD, Cheskin LJ, Saunders KH, Kurian M, Schofield M, Barlow SE, Aronne. L. White Paper AGA: POWER - Practice Guide on Obesity and Weight Management, Education, and Resources. Clin Gastroenterol Hepatol. 2017 May;15(5):631-649.e10.

Brill JV, Ashmore JA, Brengman ML, Buffington DE, Feldshon SD, Friedman KE, Margolis PS, Markus D, Narramore L, Rastogi A, Starpoli AA, Strople K, White JV, **Streett SE.** White Paper AGA: An Episode-of-Care Framework for the Management of Obesity-Moving Toward High Value, High Quality Care: A Report From the American Gastroenterological Association Institute Obesity Episode of Care and Bundle Initiative Work Group. Clin Gastroenterol Hepatol. 2017 May;15(5):650-664.e2.

Gerson L Twomey K, Hecht G, Lee L, McQuaid K, Pizarro TT, **Streett S**, Yoshida C, Early D. Does Gender Affect Career Satisfaction/Advancement in Gastroenterology? Gastro 2007; 132(4): 1598-1606 **Streett S.** Endoscopic Colorectal Cancer Screening in Women: Can we do better? GIE 2007; 65(7): 1047-1049

## **Book Chapters**

Cholankeril G, Li, A, **Streett S**. The Role of Gastroenterologists in the Management of Obesity. Yamada's Textbook of Gastroenterology, 2020

Perakayoil VJ, Fernandez-Becker N, **Streett S.** Palliative Care Medicine in Patients with Advanced Gastrointestinal and Hepatic Disease. Chapter 132, Sleisenger and Fordtran's Gastrointestinal and Liver Disease. 2020

**Streett S**, Azagury D. The Genetic and Microbial Influences in Obesity. SAGES Manual of Bariatric Surgery, 2018.

## Digital Publications

**Streett S.**, Brill J. Top Ten New Year's Resolutions for Your Practice, http://www.gastro.org/news\_items/2016/1/5/top-new-year-s-resolutions-for-your-practice

Streett S. <a href="http://www.gastro.org/news\_items/2016/04/21/gis-need-to-put-on-our-oxygen-masks-first">http://www.gastro.org/news\_items/2016/04/21/gis-need-to-put-on-our-oxygen-masks-first</a>

**Streett S**. Inside the AGA Practice Management and Economics Committee http://www.gastro.org/news\_items/2015/11/15/inside-the-aga-practice-management-and-economics-committee

**Streett S.** Time is the Commodity. AGA Practice Quarterly, Oct 2014.

**Streett S.** Working for the Firm. AGA Practice Quarterly, July 2014.

**Streett S.** Our practices, ourselves: How do we establish a Personal Connection with our Patients? AGA Perspectives 2010; 6(4): 16

#### **Abstracts**

Grant E. Barber, M.D.; Chiyuan A. Zhang M.P.H.; **Sarah E. Streett, M.D.**; Michael L. Eisenberg, M.D. Paternal Exposure to Inflammatory Bowel Disease Medications and Neonatal Outcomes (3689197). Lecture Presentation. IBD Care and Outcomes. (DDW) 2022

Grant E. Barber, M.D; Justin Zhuo, M.D; **Sarah Streett, M.D**; Philip Okafor, M.D; Outpatient Gastroenterology Follow-up Within 14 days of Hospital Discharge Reduces GI-specific Readmissions Among Patients Hospitalized With Acute Severe Ulcerative Colitis (3690573). Poster Presentation. IBD: Practice Management, Quality of Care, Quality Assurance DDW 2022

Rao A, **Streett S.** P009 Infrequent Counseling By Physicians On IBD And Reproductive Health Issues Reported By Patients In Conjunction With Low CcpKnow Knowledge Scores In An Educated Cohort. Issue 3, Supp, S8-S9, February 1, 2019

Chan J, Chua J, Hui, R, Yee J, Chen D, **Streett S.** Does Early Treatment with Anti-TNF Agents Result in Improved Clinical Outcomes In IBD? Poster, CA Society of Health System Pharmacists, Oct 2014

#### **Webinars**

AGA Solutions for Successful Obesity Program Intervention.

https://www.youtube.com/watch?v=vloJjmvcJ7M

What Employment Model is Best for You?

http://www.gastro.org/news\_items/2015/3/5/what-employment-model-is-best-for-you

### **FUNDING AND RESEARCH**

Investigating the Exposome in IBD

Role: Co-Investigator

2018 – 2021 Rainin Synergy Award, Rainin Foundation

Precision medicine to enable personalized therapy in IBD using novel cytometric and

imaging technologies Role: Co-Investigator

2020 - Present Schneider Fund

The Semen in IBD Men on Biologics and Advanced Therapies Study

Role: Primary Investigator

2020 - Present Fluegel Fund

Exploring Immunotypes and Therapeutic Responses in IBD using Organoid and Complimentary Technologies-Investigation into Pathogenesis of IBD in Humans

2018 - Present Goel and Schneider Funds

Dynamics of Pregnancy-Associated Human Microbiome in IBD

Role: Principal Investigator

2017 – 2019 Assessment of IBD and Reproductive Health Knowledge and Attitudes

Role: Principal Investigator

2016 – Present Stanford Digestive Health Registry, Ballinger-Swindell Endowment

Role: Co-Investigator

2020 – 2022 Tigenix, Takeda Pharmaceuticals

Phase III Trial of Stem Cell Therapy for Refractory Crohn's Perianal Fistula

Role: Principal Investigator

2020 – 2021 Pfizer

A Phase 2a, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate The Efficacy and Safety Oral Pf-06651600 And Pf-06700841 In Subjects with

Moderate To Severe Crohn's Disease

Role: Principal Investigator

2017-2018 Atlantic Pharmaceuticals

Atlantic Pouchitis Study Role: Principal Investigator

2014 Does Early Treatment with Anti-TNF Agents Result in Improved Clinical

Outcomes in Patient's with IBD: A Retrospective Review of Kaiser Population

Role: Principal Investigator

#### **EDUCATIONAL ACTIVITIES**

#### Clinical Mentorship/Teaching

2022 Director, Stanford Advanced IBD Fellowship 2021 IBD 101 Faculty, Fellow Course, American College of Gastroenterology 3/2020 CME Course Director, Stanford Symposium on IBD: Advances in Research and Practice 3/2019 CME Course Director, Stanford Symposium on IBD: Advances in Research and **Practice** 4/2020 IBD CME Symposia Planning/Speaker, Crohn's and Colitis Foundation Instructor, GI Fellowship Lecture Series 2018 - Present Preceptor, Stanford Internal Medicine Residency 2018, 2020

2018, 2020 Preceptor, Stanford Internal Medicine Residency
 2019, 2020 Instructor, Stanford Medical School GI Lab
 2018-2020 GI Fellowship IBD Curriculum Development
 2016 - Present GI Fellowship, IBD subspecialty clinic preceptor

#### Research Mentorship

| 2021 – Present | Primary Mentor, Aurelia Fu, MD (GI Fellow)   |
|----------------|--|
| 2020 - Present | Primary Mentor, Grant Barber, MD (GI Fellow) |
| 2018 - 2020    | Primary Mentor, Aarti Rao, MD (GI Fellow)    |
| 2019 – 2021    | Mentor, John Gubatan, MD, PhD (GI Fellow)    |
| 2018 - 2020    | Mentor, Steven Hendler, MD (GI Fellow)       |

### **PRESENTATIONS**

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9/2020 CME GI & Hepatology Board Review, IBD, Stanford University School of Medicine

12020 Keynote, State of the Art of IBD in 2020, University of Washington GI Symposium Digestive Tract & it's Disruption in Crohn's Disease, Human Cell Atlas Project, NYC

1/2019 The Pathophysiology of the GI Tract, The Human Cell Atlas Project, NYC

1/2017 The Top Ten Big Ideas in Obesity, Digestive Disease Week, Chicago, IL.

1/2016 AGA Plenary Session- The AGA Initiative, Digestive Disease Week, San Diego,

CA

| 32016<br>10/2015 | Defining the Role of Gastroenterology in Obesity Management: (POWER) A Continuum of Care for Obesity, AGA Tech Summit, Boston, MA Early Biologic Therapy in IBD, AGA CME Symposium Scottsdale, AZ |
|------------------|---|
| Regional         |   |
| 2/2020           | Intersection of IBD & Reproductive Health, Crohn's and Colitis CME IBD Updates, Sacramento, CA.   |
| 10/2019          | Portraits of IBD in 2019, Gilead, Foster City, CA   |
| 10/2019          | Unmet needs in IBD, Surrozen, So. San Francisco, CA   |
| 10/2018          | JAK/STAT Signaling Pathway & its Role in Immune-mediated  |
|                  | Inflammatory Disease Grand Rounds, St. Mary's Hospital, San Francisco, CA   |
| 3/2017           | Updates in IBD, Warriors Stadium, Oakland, CA on behalf of SHC  |
| Local            |   |
| 4/2020           | GI Fellowship Lecture, Redwood City, CA. IBD and Pregnancy  |
| 3/2020           | OBGYN Training Program, Palo Alto. The Intersection of IBD, Fertility, and Pregnancy  |
| 11/2019          | Medical Grand Rounds, Stanford University, Bench to Bedside, and Back   |
| 9/2019           | GI Board Review Course, Palo Alto, CA. Extraintestinal IBD Manifestations   |
| 3/2019           | Course Director and Speaker, Palo Alto, CA, Reproductive Health in IBD  |
| 10/2018          | Stanford GI Division, Stanford, CA. Do no Harm: Current data on   |
| ,                | Cannabis in IBD   |
| 82018            | One Medical Group, Palo Alto, CA. Current Trends in Treating IBD  |
| 11/2017          | GI Division Research Retreat, Portola Valley, CA. Initiatives in IBD  |
| 4/2017           | Stanford GI and Hepatology Symposium, Updates in IBD 2017   |
| 9/2016           | Stanford GI and Hepatology Symposium - Emerging Therapies in IBD  |

# **BOARD CERTIFICATION AND LISCENSURE**

1997, 2012 Board Certified, Gastroenterology

Active California Medical License

## RECOGNITION

Crohn's and Colitis Foundation Champion of Hope
 Fellow, American Gastroenterology Association

## **REVIEWER**

# Journal Peer Review

Gastroenterology Clinical Gastroenterology and Hepatology Inflammatory Bowel Disease Digestive Diseases and Sciences JAMA Network Digestive Disease Week

## Grant Reviewer

The Rainin Foundation, 2019, 2020 The Helmsley Foundation, 2019 Stanford Maternal Child Health Research Institute, Pediatric IBD and Celiac Disease Research, 2021

### INDUSTRY CONSULTING AND ADVISING

Pfizer Janssen Pharmaceuticals Takeda Pharmaceuticals Gilead Pharmaceuticals Bristol Myers Squibb Prometheus Laboratories Surrozen

## **INTERESTS AND ACTIVITIES**

Skiing, Travel, Creative Writing, Historical Fiction, Bee Keeping