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5

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All attendees will be muted and will remain in "Listen Only Mode"

Type your questions here so that the moderator can see them. Not all questions will be answered but we will get to as many as possible.

A handout with the slides and room to take notes can be downloaded from your control panel.

Moderator:
Shannon Chang, MD, FACG

Exit

6



Virtual Grand Rounds

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ACG Virtual Grand Rounds

Join us for upcoming Virtual Grand Rounds!



Week 38 – Thursday September 18, 2025

Inaugural LIVE ENDOSCOPY Event: Diagnostic and Therapeutic UGI

Endoscopy: Back to the Basics

Faculty: Aziz Aadam, MD, Gregory B. Haber, MD, Jasmine Sinha, MD, and Srinadh Komanduri, MD

Moderator: Fernando Fluxa, MD, J. Andy Tau, MD, Mohammad Bilal, MD, and Shivangi T. Kothari, MD, FACC

From 12:00 Noon – 2:30 PM ET

There will be no 8pm broadcast



Week 39 – Thursday September 25, 2025

ACG-CGA Joint Webinar- Hereditary Cancer Week- 2025


Faculty: Katherine Germansky, MD, and Pooja Dharwedkar, MD

Moderator: Gautam Naresh Mankaney, MD

At Noon and 8pm Eastern


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7



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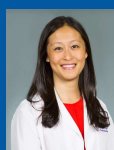
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8



David T. Rubin, MD, FACP:

AbbVie: Consultant; Abivax: Consultant; Altrubio: Consultant; Athos Therapeutics Inc: Consultant; Avalo Therapeutics: Consult; Bausch Health: Consultant; Bristol-Myers Squibb: Consultant; Buhlmann Diagnostics: Consultant; Celltrion: Consultant; ClostraBio: Consultant; Connect Biopharma: Consultant; Douglas Pharmaceuticals: Consultant; Eli Lilly & Co.: Consultant; Foresee: Consultant; Genentech (Roche) Inc: Consultant; Image Analysis Group: Consultant; InDex Pharmaceuticals: Consultant; Iterative Health: Consultant; Janssen Pharmaceuticals: Consultant; Odyssey Therapeutics: Consultant; Pfizer: Consultant; Sanofi: Consultant; Takeda: Consultant, Grant/Research Support; Throne: Consultant; Vedanta: Consultant; Biosciences: Consultant; Ventyx: Consultant.



Shannon Chang, MD, FACP:

AbbVie: Consultant; BMS: Consultant; Janssen: Consultant; Pfizer: Consultant

**All of the relevant financial relationships listed for these individuals have been mitigated*

9

Update in Ulcerative Colitis and the New American College of Gastroenterology Guidelines

David T. Rubin, MD, FACP

Joseph B. Kirsner Professor of Medicine
Chief, Section of Gastroenterology, Hepatology, and Nutrition
Director, Inflammatory Bowel Disease Center
University of Chicago
Chair, International Organization for the Study of IBD



UChicago IBD
90 years of Discovery and Innovation



10



Why Do We Need Clinical Practice Guidelines?

• Standardization of Care

- Reduces variation in practice and ensures that decisions are not solely based on individual physician preference or habit

• Evidence Translation

- Synthesize the best available research, clinical trials, and expert consensus into practical recommendations
- Help clinicians stay up-to-date and apply complex evidence in a usable way at the bedside

• Quality and Safety

- Improve patient safety and outcomes by recommending proven diagnostic and therapeutic approaches
- Avoid ineffective or harmful interventions
- Promote early recognition of disease and appropriate management

• Efficiency and Resource Use

- Reduce unnecessary testing and treatments, focusing resources on interventions most likely to benefit patients

• Education and Training

- Teaching tools for trainees and clinicians, offering structured learning on standards of care in specific conditions

• Accountability and Benchmarking

- Offers measures quality of care, develops performance metrics, and evaluates compliance
- Can provide medicolegal protection when physicians follow recognized standards

• Patient Empowerment

- Helps patients understand their treatment options and engage in shared decision-making with their clinicians

11



History of the ACG Guidelines for UC 1997 – 2004 – 2010 – 2019 – 2025

- Kornbluth A, Sachar DB. *Ulcerative colitis practice guidelines in adults. American College of Gastroenterology, Practice Parameters Committee. Am J Gastroenterol.* 1997;92(2):204-211.
- Kornbluth A, Sachar DB; Practice Parameters Committee of the American College of Gastroenterology. *Ulcerative colitis practice guidelines in adults (update): American College of Gastroenterology, Practice Parameters Committee. Am J Gastroenterol.* 2004;99(7):1371-1385.
- Kornbluth A, Sachar DB; Practice Parameters Committee of the American College of Gastroenterology. *Ulcerative Colitis Practice Guidelines in Adults: American College of Gastroenterology, Practice Parameters Committee. Am J Gastroenterol.* 2010;105(3):501-523.
- Rubin DT, Ananthakrishnan AN, Siegel CA, Sauer BG, Long MD. *ACG Clinical Guideline: Ulcerative Colitis in Adults. Am J Gastroenterol.* 2019;114(3):384-413.
- Rubin DT, Ananthakrishnan AN, Siegel CA, Barnes EL, Long MD. *ACG Clinical Guideline Update: Ulcerative Colitis in Adults. Am J Gastroenterol.* 2025;120(6):1187-1224.

12



ACG Clinical Guideline Update: Ulcerative Colitis in Adults

David T. Rubin, MD, FACS, Ananthakrishnan AN, MD, MPH, FACS, Carey A. Siegel, MD, MSc, Edward L. Barnes, MD, MPH, FACS, and Miles D. Long, MD, MPH, FACS

Ulcerative colitis is an idiopathic inflammatory disorder of unknown etiology that seems to be rising in incidence and prevalence throughout the world. These guidelines were developed to indicate the preferred approach to the management of adult patients with ulcerative colitis as established by valid scientific research and represent the official practice recommendations of the American College of Gastroenterology under the auspices of the Practice Parameters Committee. The scientific evidence for the recommendations made in these guidelines was evaluated using the Grading of Recommendations Assessment, Development, and Evaluation process, assessing the quality of the evidence high, moderate, low, or very low and assigning a strength of recommendation based on its apparent clinical benefit (strong or conditional). In instances where the available evidence was not appropriate for a formal Grading of Recommendations Assessment, Development, and Evaluation recommendation, but there was consensus of significant clinical merit, statements were developed using expert consensus (termed key concept statements). These guidelines are meant to be broadly applicable to practitioners regardless of specialty or interest and should be viewed as the preferred, but not only, approach to clinical scenarios. As opposed to standards of care, guidelines are inherently flexible, and physicians should use them as tools in choosing the best course in a specific clinical situation. These guidelines represent the state of the evidence at the time of this publication. As new evidence emerges, these guidelines will be continuously reviewed, and updates will be published as needed to assure continued validity.

KEYWORDS: practice guidelines, ulcerative colitis

Am J Gastroenterol 2025;120(6):1187-1224. <https://doi.org/10.14308/ajg.2025.120.6.1187>

INTRODUCTION

Ulcerative colitis (UC) is a chronic disease affecting the large intestine with an increasing incidence worldwide and more recent spread to other parts of the world. Data from both commercial and public insurance (Optum and de Montigny) indicate that the incidence of UC was estimated to be 4.3 per 100,000 person-years (95% confidence interval [CI], 3.7–4.9) and in adults, higher than that estimated for Crohn's disease (CD) using the same methodology. The age-standardized, sex-standardized, and insurance-standardized prevalence per 100,000 population is estimated to be 303 (95% CI, 263–343), with a 2024 census extrapolated US prevalence of 1.23 million people living with UC (1).

UC is characterized by chronic inflammation of the large intestine that is frequently associated with involvement of the rectum but often extends proximally to involve additional areas of the colon. Despite advances in understanding environmental associations and risks, the causes of UC remain complex and unknown (2). Absence of initial involvement has been noted in fewer than 1% of adult patients with UC at diagnosis but may be

seen in up to a third of pediatric-onset colitis (3). The initial presentation of new UC is usually characterized by symptoms of an inflamed intestine that include bleeding, urgency, and incontinence (a new symptom). The condition may present at any time and at all ages, but there is a pronounced age distribution of onset that peaks in the third decade of life. The potential inflammatory disease activity is most often, relapsing and remitting, with symptoms of active disease alternating with periods of clinical quiescence (remission). Some patients with UC have persistent disease activity despite available medical therapy, and a small number of patients present with a rapid onset progression and severe type of fulminant colitis (4,5).

UC carries significant morbidity but historically has a low incidence of mortality (6,7). Patients with active disease are more likely to have comorbid psychological conditions of anxiety and depression and are more likely to have required social interactions or career progression (8). Longstanding UC is also associated with a defined risk of dysplasia and colorectal cancer (CRC) which is believed to be primarily related to more extensive based involvement and longstanding mucosal inflammatory activity (9–11).

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Received September 23, 2024; accepted February 15, 2025

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The American Journal of Gastroenterology

Rubin DT, Ananthakrishnan AN, Siegel CA, Barnes EL, Long MD. *Am J Gastroenterol*. 2025;120(6):1187-1224.

13

How Are the Guidelines Made?

- Indicate the **preferred approach to the management of adult patients with ulcerative colitis** as established by valid scientific research and represent the official practice recommendations of the ACG under the auspices of the Practice Parameters Committee.
- **Grading of Recommendations Assessment, Development, and Evaluation (GRADE)** process, assessing the quality of the evidence and strength of recommendation based on its apparent clinical benefit (strong or conditional).
- When available evidence was not appropriate for a formal GRADE recommendation, **but there was consensus of significant clinical merit**, statements were developed using expert consensus (termed key concept statements).
- **Viewed as the preferred, but not only, approach to clinical scenarios.**
- **As opposed to standards of care, guidelines are inherently flexible, and clinicians should use them as tools in choosing the best course in a specific clinical situation.**
- These guidelines represent the state of the evidence at the time of this publication. As new evidence emerges, these guidelines will be continuously reviewed, and updates will be published as needed to assure continued validity.

Rubin DT, Ananthakrishnan AN, Siegel CA, Barnes EL, Long MD. *Am J Gastroenterol*. 2025;120(6):1187-1224.

14

**STRENGTH OF RECOMMENDATION:**

STRONG: Recommendation is made when the benefits or desirable effects of an intervention clearly outweigh the negatives or undesirable effects and/or the result of no action.

CONDITIONAL: Used when some uncertainty remains regarding the balance of benefits and potential harms, either because of low quality evidence or because of a suggested balance between desirable and undesirable effects.

Patients: Some individuals would want the suggested course of action whereas others may not.

A discussion regarding pros, cons, and available alternatives is appropriate to reach an individualized patient-specific decision

Clinicians: A shared decision-making model through a discussion regarding the available evidence and alternative options is appropriate, taking into consideration the values and preferences of the patient

QUALITY OF EVIDENCE:

HIGH: The authors are very confident that the true effect lies close to that of the estimate of the effect.

MODERATE: Moderate confidence in the effect estimate, although further research would be likely to have an impact on the confidence of the estimate.

LOW: Limited confidence in the estimate, and thus, the true effect could differ from the estimate of the effect.

VERY LOW: Very little confidence in the effect estimate and that the true effect may be substantially different than the estimate of effect.

We prioritized **direct evidence** and did not make recommendations for positioning based on network meta-analyses.

15



New Ulcerative Colitis Practice Guidelines in Adults 2025

7	Sections
1	NEW section on positioning therapies
9	New therapies discussed
8	Tables
54	GRADEd Recommendations (Table 2)
57	Key Concept Statements (Table 3)
3	Figures

- Colorectal cancer surveillance removed

1. Ustekinumab
2. Upadacitinib
3. Ozanimod
4. Etrasimod
5. Mirikizumab
6. Risankizumab
7. Guselkumab
8. Infliximab SC
9. Vedolizumab SC

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16



Comparison of the AGA and ACG Ulcerative Colitis Guidelines



	AGA Living Guideline (2024)	ACG Clinical Guideline (2025) ²
Focus	Pharmacologic management for moderate-to-severe UC	Comprehensive management of UC (diagnosis, monitoring, prevention, induction and maintenance of remission, and hospitalized care)
Scope of Patients	Adults with moderate-to-severe UC	Adults with UC of ALL severities, including hospitalized patients
Methodology	GRADE methodology, uses PICO questions	GRADE framework with recommendations and KEY CONCEPTS
Therapies Covered	Immunomodulators, advanced therapies with detailed comparative efficacy discussion	Conventional therapies, advanced therapies, detailed comparative efficacy discussion
Update Cycle	Living guideline designed for continuous updates every 6 months	Planned periodic updates

Gastroenterology. 2024;167(7):1307-1343.

Am J Gastroenterol. 2025;120(6):1187-1224.

17



Sections of the ACG Ulcerative Colitis Practice Guidelines in Adults 2025

1. Diagnosis, assessment, monitoring, and prognosis of ulcerative colitis
2. Goals for managing patients with ulcerative colitis
3. Induction and maintenance of remission in mildly to moderately active UC
4. Induction of remission in moderately to severely active UC
5. Maintenance of remission in patients with previously moderately to severely active UC
6. Positioning considerations for the patient with moderately to severely active UC
7. Management of the hospitalized patient with acute severe UC

Rubin DT, Ananthakrishnan AN, Siegel CA, Barnes EL, Long MD. *Am J Gastroenterol*. 2025;120(6):1187-1224

18

**Table 2. Summary and strength of GRADED recommendations for the management of ulcerative colitis**

Diagnosis, assessment, monitoring, and prognosis of ulcerative colitis

1. We recommend stool testing to rule out Clostridiaceae infection in patients suspected of having UC. (Strong recommendation, very low quality of evidence)
2. We recommend against serologic, antibody testing to establish or rule out a diagnosis of UC. (Strong recommendation, very low quality of evidence)
3. We recommend against serologic, antibody testing to determine the prognosis of UC. (Strong recommendation, very low quality of evidence)

Goals for managing patients with ulcerative colitis

4. We recommend treating patients with UC to achieve endoscopic improvement (defined as resolution of inflammatory changes [May endoscopic score]) and to prevent hospitalizations and surgery. (Strong recommendation, moderate quality of evidence)
5. We recommend the use of 5-ASA to induce remission in patients with mild to moderate UC. (Strong recommendation, moderate quality of evidence)
6. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for induction of remission. (Strong recommendation, moderate quality of evidence)
7. For patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
8. For patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
9. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
10. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
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14. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
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16. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
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20. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
21. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
22. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)
23. In patients with mild to moderate UC, we recommend oral 5-ASA therapy at a dose of 1 g daily for maintenance of remission. (Strong recommendation, moderate quality of evidence)

Table 2. Summary and strength of GRADED recommendations for the management of ulcerative colitis**54 GRADED Recommendations**

19

**Table 3. Summary of key concept statements for the management of ulcerative colitis**

Diagnosis, assessment, monitoring, and prognosis of ulcerative colitis

1. The diagnosis of UC should be suspected in patients with hematochezia, increased stool frequency, or bowel urgency.
2. Infectious etiologies should be excluded at the time of diagnosis.
3. Consideration with evaluation of the stool and biopsies of affected and unaffected areas should be obtained to confirm the diagnosis of UC, with mucosal biopsies obtained from the sigmoid, rectum, and ileum. (Strong recommendation, moderate quality of evidence)
4. Categories of disease extent include proctitis, left-sided, and extensive UC. (Strong recommendation, moderate quality of evidence)
5. If the extent of disease is mild to moderate, further evaluation of the disease and management should be based on the extent of disease. (Strong recommendation, moderate quality of evidence)
6. Definitions of disease severity should be based on the extent of disease and the degree of inflammation. (Strong recommendation, moderate quality of evidence)
7. Endoscopic severity should be reported using a validated endoscopic scale such as the Mayo Endoscopic Score or the UC Endoscopic Index of Severity (EIS). (Strong recommendation, moderate quality of evidence)
8. Disease assessment and monitoring in response to therapy and during maintenance and periods of suspected relapse may be performed with FC, CRP, and/or serum albumin. (Strong recommendation, moderate quality of evidence)
9. UC is a chronic condition for which therapy is required to induce and maintain remission and to prevent relapse. (Strong recommendation, moderate quality of evidence)
10. Strategies for management of UC should reflect the patient's and provider's assessment of disease severity, extent, and response to therapy. (Strong recommendation, moderate quality of evidence)
11. Symptomatic remission (defined as resolution of inflammatory changes [May endoscopic score]) and to prevent hospitalizations and surgery should be the goal of therapy. (Strong recommendation, moderate quality of evidence)
12. Initial treatment of UC should focus on induction of remission and maintenance of remission. (Strong recommendation, moderate quality of evidence)
13. Histologic remission is associated with some important clinical outcomes. (Strong recommendation, moderate quality of evidence)
14. Control of mucosal inflammation may reduce disease risk. (Strong recommendation, moderate quality of evidence)
15. Given the chronic nature of UC and the evidence of a genetic predisposition, patients should be provided with resources to help them understand and manage their disease. (Strong recommendation, moderate quality of evidence)
16. Routine visits are recommended to monitor for relapse and adverse health maintenance needs. (Strong recommendation, moderate quality of evidence)
17. Patients with UC should be screened for colorectal cancer and drug-related complications. (Strong recommendation, moderate quality of evidence)
18. Patients with mild to moderate UC and a number of prognostic factors associated with an increased risk of hospitalization or surgery should be treated with therapy for moderate to severe disease. (Strong recommendation, moderate quality of evidence)
19. Patients with mild to moderate UC should be treated with therapy for moderate to severe disease. (Strong recommendation, moderate quality of evidence)
20. There is not sufficient evidence of an optimal approach to focal mucosal therapy for patients with mild to moderate UC. (Strong recommendation, moderate quality of evidence)
21. There is not sufficient evidence of an optimal approach to focal mucosal therapy for patients with mild to moderate UC. (Strong recommendation, moderate quality of evidence)
22. Patients with previously mild to moderate UC who have achieved remission, there is insufficient evidence to recommend the use of a probiotic. (Strong recommendation, moderate quality of evidence)
23. In patients with previously mild to moderate UC who have achieved remission, there is insufficient evidence to recommend the use of a probiotic. (Strong recommendation, moderate quality of evidence)
24. Patients with mild to moderate UC who are not responsive to 5-ASA therapy should be treated with patients with moderate to severe disease. (Strong recommendation, moderate quality of evidence)

Table 3. Summary of key concept statements for the management of ulcerative colitis**57 Key Concept Statements**

20



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

1. Diagnosis, assessment, monitoring, and prognosis of ulcerative colitis

21



Ulcerative Colitis

- **305 (95% CI, 302–308), with a 2020 census extrapolated US prevalence of 1.253 million people living with UC¹**
- **Initial presentation of new UC is usually characterized by symptoms of an inflamed rectum that include bleeding, urgency, and tenesmus (a sense of pressure)**
- **Consequences of UC:**
 - Comorbid psychological conditions of anxiety and depression and are more likely to have impaired social interactions or career progression
 - Defined risk of dysplasia and colorectal cancer (CRC) which is believed to be primarily related to more extensive bowel involvement and longstanding mucosal inflammatory activity
- **Management of UC must involve a prompt and accurate diagnosis, assessment of the patient's risk for poor outcomes, and early initiation of effective, safe, and tolerable medical therapies**

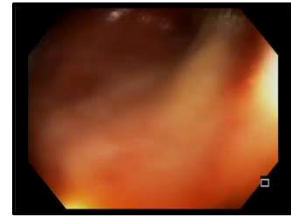
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22

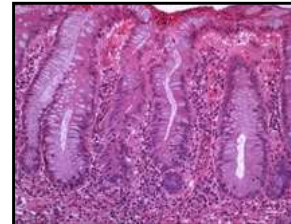


Diagnosis of UC

- Clinical suspicion
- Exclusion of infection
- Endoscopic assessment
- Histologic assessment showing chronicity
 - Histology of endoscopically normal mucosa
- Examination of terminal ileum
- Assessment of IC valve
- Upper GI not needed in adults unless other symptoms or unexplained findings



Endoscopically moderate colitis



Chronic inflammation with increase in plasma cells in the lamina propria and crypt architectural distortion

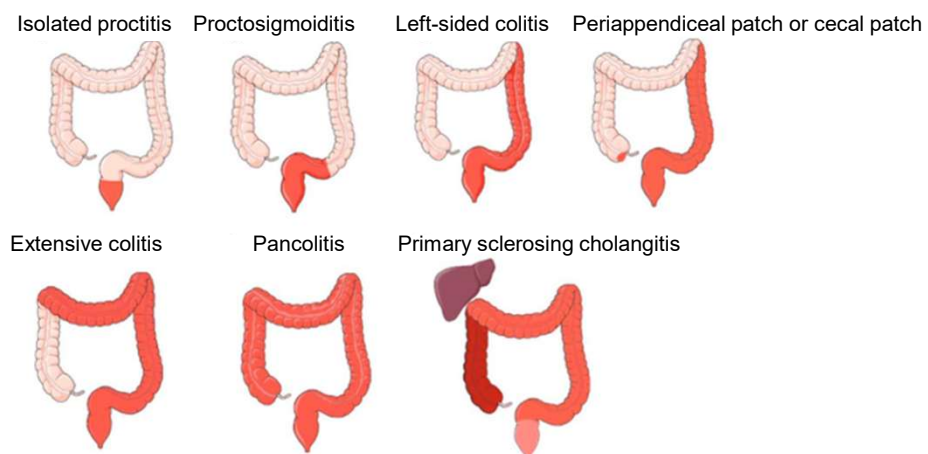
Images compliments David T. Rubin, MD

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23



Different UC Clinical Phenotypes






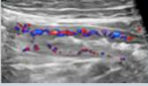


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24



Updated ACG Ulcerative Colitis Activity Index

	Remission	Mild-Moderate	Moderate-Severe	Fulminant
Stools (#/day)	Formed stools	<4	>6	>10
Blood in stools	None	Intermittent	Frequent	Continuous
Urgency	None	Mild, occasional	Often	Continuous
Hemoglobin	Normal	Normal	<75% of normal	Transfusion required
ACG GRADEd Recommendation 5. We recommend the use of fecal calprotectin in ulcerative colitis to assess response to therapy, to evaluate suspected relapse, and during maintenance (Strong recommendation, moderate quality of evidence)				
Fecal calprotectin (µg/g)	<150-200	>150-200	>150-200	>150-200
Mayo Endoscopic Score	 0	 1-2	 2-3	 3
Intestinal ultrasound	Colonic BWT≤3 mm Rectal BWT<4 mm mLimberg=0		Colonic BWT>3 mm Rectal BWT≥4 mm mLimberg>0	













Modified from Truelove SC & Witts LJ. *Br Med J*. 1955 Oct 29;2(4947):1041-8.
 Maaser C, et al. *Gut*. 2020;69(9):1629-1636.
Am J Gastroenterol. 2025;120(6):1187-1224.

25



Remission in UC

- **Patient Reported Outcomes (Symptoms)**
 - No blood
 - Normal stool frequency
 - No urgency
- **Endoscopic Improvement**
 - Mayo Endoscopic Score of 0 or 1
 - Surrogates (benchmarked) calprotectin, CRP

Endoscopic Assessment of Disease Activity	UCIS Score	Mayo Score	Endoscopic Features
  	0	0	Normal
  	1-3	1	Erythema, decreased vascular pattern, mild friability
  	4-6	2	Marked erythema, absent vascular pattern, friability, erosions
  	7-8	3	Spontaneous bleeding, ulceration

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26



Remission Concepts and Targets

- **Mucosal healing:** Mayo Endoscopic Score 0,1^{1,2}
 - Fecal calprotectin as surrogate for endoscopy when endoscopy not feasible to assess for mucosal healing and disease activity^{1,2}
- **Disease Modification:** *changing the natural history of the UC toward positive long-term outcomes*
- **Incorporation of patient preferences:** shared decision making



Histological healing is distinct from endoscopic mucosal healing³ and **is not yet a target**
“Histological remission” = absence of neutrophils

¹Am J Gastroenterol. 2025;120(6):1187-1224.

²Wei CS, et al. Intest Res. 2017;15(3):266-284.

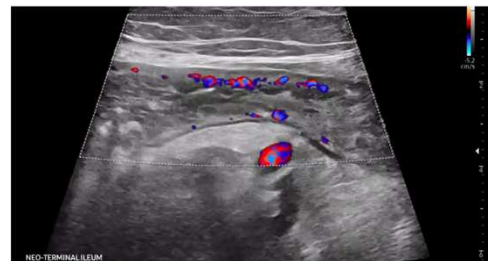
³Turner D, et al. Gastroenterology. 2021;160:1570-1583.

27



What is Intestinal Ultrasound?

- Ultrasound examination done by scanning the abdominal wall to visualize the bowel
- Assesses for inflammation in the small and large intestine
- Used in both UC and CD
- A point-of-care test to be done during a clinic visit
- Billing codes exist (Limited Abdominal Ultrasound)



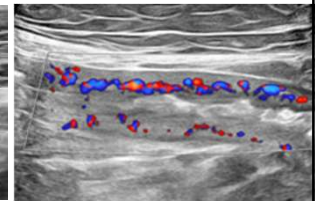
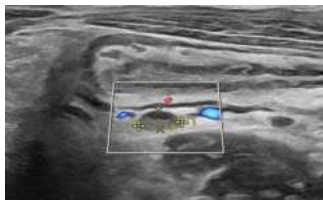
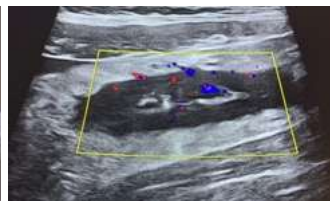
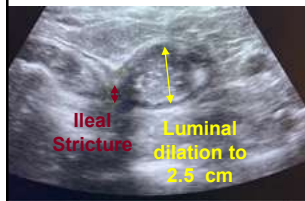
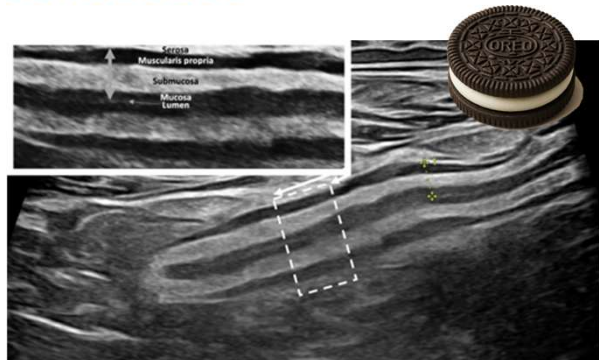
Dolinger MT, Krugliak Cleveland N, Rubin DT, Dubinsky MC. Guide to Intestinal Ultrasound Credentialing, Documentation, and Billing for Gastroenterologists in the United States. Am J Gastroenterol. 2023;118(9):1528-1531.

28



Standard Ultrasound Parameters

- Bowel wall thickness (normal ≤ 3 mm in TI and colon, ≤ 4 mm in rectum)
- Bowel wall hyperemia by color Doppler imaging
- Bowel wall layer stratification
- Presence of inflammatory/mesenteric fat
- Lymphadenopathy
- Complications (stricture, abscess, fistula)



29



IUS IN UC CORRELATES TO ENDOSCOPY

UC-IUS index

- EMS: $r = 0.830$; $p < 0.001$
- UCEIS: $r = 0.759$; $p < 0.001$
- Strong interobserver correlation of IUS scores $\rho = 0.877$

Parameters	Points [0-7]
Bowel wall thickness	
> 2 mm	1
> 3 mm	2
> 4 mm	3
Doppler signal	
Spots	1
Stretches	2
Abnormal haustrations	1
Fat wrapping	1

Milan Ultrasound Criteria

- EMS: $p = 0.653$; $p < 0.001$
- Ultrasound remission: $MUC > 6.2$ predicts endoscopic inflammation (Mayo endoscopic subscore > 1)

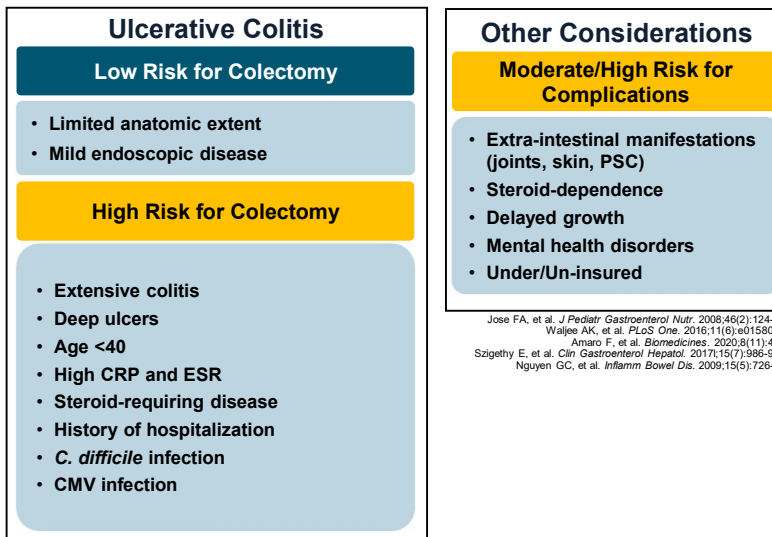
$MUC = 1.4 \times BWT + 2 \times BWF$	
BWT	Bowel wall thickness in mm
BWF	Bowel wall flow (0 = absence; 1 = presence)

Bots S, et al. *J Crohns Colitis*. 2021;15(8):1264-1271.
 Allocca M, et al. *United European Gastroenterol J*. 2022;10(2):190-197.

30



Assessment of Disease Risk “Severity” in UC



Rubin DT, et al. *Am J Gastroenterol*. 2025;120(6):1187-1224.
 Dassopoulos T, et al. *Gastroenterology*. 2015;149(1):238-45.

Jose FA, et al. *J Pediatr Gastroenterol Nutr*. 2008;46(2):124-33.
 Waljee AK, et al. *PLoS One*. 2016;11(6):e0158017.
 Amaro F, et al. *Biomedicines*. 2020;8(11):458.
 Szegedy E, et al. *Clin Gastroenterol Hepatol*. 2017;15(7):986-997.
 Nguyen GC, et al. *Inflamm Bowel Dis*. 2009;15(5):726-33.

31



Prognosis Should Guide Therapy as Much as Activity

This updated guideline emphasizes that patients with moderately to severely active UC or those who have UC with high risk of hospitalization or colectomy should be treated with therapies that have evidence for their efficacy in this degree of active disease or with this specific prognosis, based on evidence in clinical trials and real-world observational studies.

We recommend that prognosis should guide choice of therapy as much as activity of inflammation at the time of acute illness.

Am J Gastroenterol. 2025;120(6):1187-1224.

32



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

2. Goals for managing patients with ulcerative colitis

33



Optimal Goals of Management of UC

- Sustained and durable steroid-free remission
- Appropriate psychosocial support
- Normal health-related quality of life and social functioning
- Prevention of morbidity including hospitalization and surgery
- Prevention of cancer

Am J Gastroenterol. 2025;120(6):1187-1224.

34



Updated Goals of Management of UC

- **Diagnosis including extent of disease and biopsy**
- **Movement to separate activity and severity**
- **Induction of clinical response/remission and mucosal healing**
- **Maintenance therapy identified based on induction therapy and prognosis**
- **Screen and treat for anxiety/depressive disorders**
- **Prevention of complications (cancer, hospitalization, infections, other drug-related)**

Am J Gastroenterol. 2025;120(6):1187-1224.

35



Sections of the New Ulcerative Colitis Practice Guidelines in Adults 2025

Goals for managing patients with ulcerative colitis

9. UC is a chronic condition for which therapy is required to induce and maintain remission; therapeutic decisions should be categorized into those for (i) induction and (ii) maintenance, with goals of obtaining and maintaining a steroid-free remission and obtaining biological response through reduction in biomarkers or endoscopic improvement
10. Strategies for management of UC should reflect the patient's and provider's goals and recognize the chronic nature of the disease
11. Symptomatic remission relates to improvement in PROs while endoscopic healing is defined as restoration of intact mucosa without friability. Deep remission is a combination of symptomatic remission and endoscopic healing and is a preferred goal of management. Corticosteroid-free remission is defined based on symptoms and endoscopic findings without corticosteroid use for a sustained period of time (usually more than 12 wk)
12. Initial treatment of UC should focus on restoration of normal bowel frequency and control of the primary symptoms of bleeding and bowel urgency. An endoscopically healed mucosa is associated with sustained remission and reduced risk of colectomy
13. Histologic remission is associated with some improved clinical outcomes but has not yet been validated prospectively as a preferred target for treatment
14. Control of mucosal inflammation may reduce dysplasia risk
15. Given the chronic nature of UC and the therapies for UC, monitoring for disease-related and drug-related complications is important. This should incorporate preventive strategies as outlined here and in a separate guideline from the ACG (100).
16. Routine visits are recommended to monitor for relapse and address health maintenance needs
17. Patients with UC should be screened for coexistent anxiety and depressive disorders, and when identified, patients should be provided with resources to address these conditions

36



Treatment Options for Ulcerative Colitis, 2025

Class of Therapy Treatment	Treatment	Comment	
5-ASA	Mesalamine Sulfasalazine	Oral and rectal	Conventional Therapies (Traditional)
Corticosteroids	Budesonide Prednisone/Methylpred	Oral and rectal	
Thiopurines	6-mercaptopurine Azathioprine	Pharmacogenomics TPMT, NUDT15	Conventional Synthetic Therapies (Immunomodulators)
Calcineurin inhibitors	Cyclosporine Tacrolimus	IV and oral	
Anti-integrin	Vedolizumab	IV and SC maintenance	Biological Therapies
Anti-IL-23 (p40: IL-12/23 p19: IL-23)	Guselkumab (p19/CD64) Mirikizumab (p19) Risankizumab (p19) Ustekinumab (p40)	IV and SC maintenance Biosimilars to ustekinumab	
Anti-TNF	Adalimumab Golimumab Infliximab	Infliximab IV and SC maintenance Biosimilars to IFX and ADA	
Janus kinase inhibitors	Filgotinib (JAK1) Tofacitinib (JAK1,2,3) Upadacitinib (JAK1)	Oral Filgotinib EU only	Targeted Synthetic Small Molecules
S1P receptor modulators	Etrasimod (S1P _{1,4,5}) Ozanimod (S1P _{1,5})	Oral	

Am J Gastroenterol. 2025;120(6):1187-1224

37



Treatment Options for Ulcerative Colitis, 2025

New since
2019 ACG
Guideline

Class of Therapy Treatment	Treatment	Comment	
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Am J Gastroenterol. 2025;120(6):1187-1224

38



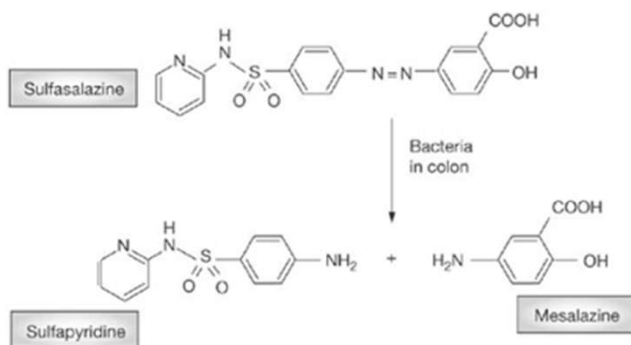
Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

3. Induction and maintenance of remission in mild to moderate UC

39



5-ASA Formulations



- **Mesalamine**
 - Delayed release (pH)
 - MMX
 - Moisture release
 - Enema
 - Suppository
- **Pro-drugs**
 - Sulfasalazine
 - Balsalazide
 - Olsalazine

40



Management of Mildly-to-Moderately Active UC

Induction:

- Mild proctitis → **rectal 5-ASA** recommended (1 g/day)^{1,2,3,4,5}
- Mild proctitis not responsive to topical 5-ASA → suggest **tacrolimus suppository or beclomethasone suppository** over no treatment⁶
- Left-sided mild UC → **rectal 5-ASA** (≥1 g/day) in combination with **oral 5-ASA** (≥ 2.0 g/day)^{1,2,3,4,5,6}
- Mild extensive UC → **oral 5-ASA** (≥ 2.0 g daily)^{1,5}
- Mild UC (any extent) → use a low dose (2.0-2.4 g) of **5-ASA**², **in comparison with a higher dose (4.8 g)**¹
- Mild-moderate UC not responding to **oral 5-ASA** → **+budesonide MMX 9 mg/day**^{1,2,3,5}

Maintenance:

- Mildly active proctitis → **rectal 5-ASA** (1 g daily)^{1,2,7}
- Mildly active left-sided or extensive UC → **oral 5-ASA** therapy (≥ 2 g/day)^{1,2,3,4}
- **Recommend against systemic steroids**^{1,3,6}

¹Rubin DT, et al. *Am J Gastroenterol*. 2025;120(6):1187-1224.

²Hardbord M, et al. *J Crohns Colitis*. 2017;11(7):769-784.

³Bressler B, et al. *Gastroenterology*. 2015;148(5):1035-1058.

⁴Coi CH, et al. *Intest Res*. 2017;15(1):7-37.

⁵Ko CW, et al. *Gastroenterology*. 2019; 156(3):748-764.

⁶Lie M, et al. *Clin Gastroenterol Hepatol*. 2020;18(8):1777-84.

⁷Wei CS, et al. *Intest Res*. 2017;15(3):266-284.

41



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

4. Induction of remission in moderately to severely active UC

42



Induction of Remission: Moderately-to-Severely Active UC

- UC failing to respond to **5-ASA** therapy→ **oral systemic corticosteroids**^{1,2,3,4}
- Moderate UC→ **oral budesonide MMX**¹
- Moderate-severe UC of any extent→ **oral systemic corticosteroids**^{1,3,4}
- S1P receptor modulator inhibitor **ozanimod**^{1,5} or **etrasimod**^{1,6}
- IL-12/23p40 antibody **ustekinumab**^{1,7} or IL23p19 inhibitor **guselkumab**^{1,8}, **mirikizumab**^{1,9}, or **risankizumab**^{1,10}
- **Vedolizumab**^{1,2,3}
- **Anti-TNF** therapy using **adalimumab**, **golimumab** or **infliximab**^{1,3}
 - **Infliximab** in combination with a **thiopurine**^{1,2,3,4}
- **Tofacitinib**^{1,11} or **upadacitinib**^{1,12}
- **Recommend against** monotherapy with **thiopurines** or **methotrexate**^{1,3}

¹Rubin DT, et al. *Am J Gastroenterol*. 2025;120(6):1187-1224.²Hardbord M, et al. *J Crohns Collis*. 2017;11(7):769-784.³Bressler B, et al. *Gastroenterology*. 2015;148(5):1055-1058.⁴Cai CH, et al. *Intest Res*. 2017;15(1):7-37.⁵Sands BE, et al. *Clin Gastroenterol Hepatol*. 2024;22(10):2084-95.⁶Sandborn WJ, et al. *Lancet*. 2023;401(10383):1159-71.⁷Sands BE, et al. *N Engl J Med*. 2019;381:1215-26.⁸Rubin DT, et al. *Lancet*. 2025;405(10472):33-49.⁹D'Haens G, et al. *N Engl J Med*. 2023; 388(26):2444-55.¹⁰*Gastroenterol Hepatol (NY)*. 2023;19(12 Suppl 9):9-10.¹¹Sandborn WJ, et al. *N Engl J Med*. 2017;376(18):1723-36.¹²Vermeire S, et al. *Lancet Gastroenterol Hepatol*. 2023;8(11):976-989.

43



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

5. Maintenance of remission in patients with previously moderately to severely active UC

44



Maintenance of Remission: Moderate-Severe UC

- **Recommend against systemic steroids**^{1,2,3}
- **Thiopurines**^{1,2,3,4,5}
- **Against** using **methotrexate**^{1,2,3}
- S1P receptor modulator inhibitor **ozanimod**^{1,6} or **etrasimod**^{1,7}
- IL-12/23 **ustekinumab**^{1,8} or IL23 **guselkumab**^{1,9}, **mirikizumab**^{1,10}, or **risankizumab**^{1,10}
- **Vedolizumab (IV or SC)**^{1,5,15}
- **Anti-TNF therapy** using **adalimumab**, **golimumab** or **infliximab (IV or SC)**^{1,2,3,4,5,14}
- **Tofacitinib**^{1,12} 5mg or 10 mg PO BID or **upadacitinib**^{1,13} 15mg or 30mg PO QD

¹Rubin DT, et al. *Am J Gastroenterol*. 2025;120(6):1187-1224.²Bressler B, et al. *Gastroenterology*. 2015;148(5):1035-1058.³Wei CS, et al. *Intest Res*. 2017;15(3):266-284.⁴Hardbord M, et al. *J Crohns Collis*. 2017;11(7):769-784.⁵Col CH, et al. *Intest Res*. 2017;15(1):7-37.⁶Sands BE, et al. *Clin Gastroenterol Hepatol*. 2024;22(10):2084-95.⁷Sandborn WJ, et al. *Lancet*. 2023;401(10383):1159-71.⁸Sands BE, et al. *N Engl J Med*. 2019;381(13):1201-14.⁹Rubin DT, et al. *Lancet*. 2025;405(10472):33-49.¹⁰Haens G, et al. *N Engl J Med*. 2023; 388(26):2444-55.¹¹*Gastroenterol Hepatol* (NY). 2023;19(12 Suppl 9):9-10.¹²Sandborn WJ, et al. *N Engl J Med*. 2017;376(18):1723-36.¹³Vermeire S, et al. *Lancet Gastroenterol Hepatol*. 2023;8(11):976-989.¹⁴Hanauer SB, et al. *Gastroenterology*. 2024;167(5):919-933.¹⁵Sandborn WJ, et al. *Gastroenterology*. 2020;158(3):562-572.

45



Variable Dosing from Induction to Maintenance in Moderate-to-Severe UC

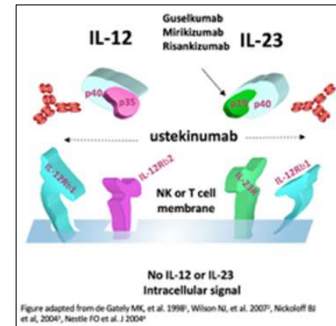
Treatment	Induction	SC Maintenance
Vedolizumab (anti-integrin)	IV: 300mg at wks 0 and 2	Wk 6: 108mg q2wks
Infliximab (anti-TNF)	IV: 5mg/kg at wks 0, 2, 6	Wk 10: 120mg q2wks
Guselkumab (p19/CD64: IL-23)	IV: 200mg wks 0, 4, 8	Wk 12: 200mg q4wks Wk 16: 100mg q8wks
Mirikizumab (p19: IL-23)	IV: 300mg wks 0, 4, 8	Wk 12: 200mg q4wks
Risankizumab (p19: IL-23)	IV: 1200mg wks 0, 4, 8	Wk 12: 180mg/1.2 mL or 360mg/2.4 mL q8wks
Ustekinumab (p40: IL-12/23)	IV: ≤55 kg: 260mg at wk 0 ≤85 kg: 390mg at wk 0 ≥85 kg: 520mg at wk 0	Wk 8: 90mg q8wks
Tofacitinib (JAKi)	10mg PO BID for 8 weeks	5mg PO BID or 10mg PO BID
Upadacitinib (JAKi)	45mg PO QD for 8 weeks	15mg PO qd or 30mg PO qd

46



General Considerations of IL-23 Inhibitors in UC

- **Effective, very safe**
- **Excellent for concomitant skin**
- **Safety:**
 - Will worsen chronic Hep B, monitor carefully
 - NO risk of TB
- Unclear if p19 antibody is better than p40 antibody in UC
- Likely can cycle (based on psoriasis and Crohn's experience³)



¹Sandborn WJ, et al. *N Engl J Med*. 2017;376(18):1723-1736.

²Danese S, et al. *Lancet*. 2022;399(10341):2113-2128.

³Zinger A, et al. *Clin Gastroenterol Hepatol*. 2024;S1542-3565(24)00968-6.

47



Efficacy of IL-23 Inhibitors in UC Clinical Remission Rates

Ustekinumab ¹						Risankizumab ²						Mirikizumab ³				Guselkumab ⁴			
IV Induction W8 % (P-value)			SC Maintenance W44 % (P-value)			IV Induction W12 % (P-value)			SC Maintenance W52 % (P-value)			IV Induction W12 % (P-value)		SC Maintenance W40 % (P-value)		IV Induction W12 % (P-value)		SC Maintenance W44 % (P-value)	
130 mg at wk 0	6 mg/kg at wk 0	PBO	90 mg q12wks	90 mg q8wks	PBO	1200 mg at wks 0, 4, 8	PBO	360 mg q8wks	180 mg q8wks	PBO	25.1	300 mg q4wks	PBO	200 mg q4wks	PBO	200 mg at wks 0, 4, 8	PBO	200 mg q4wks	100 mg q8wks
UNIFI						COMMAND						LUCENT 1		LUCENT 2		QUASAR Phase 3			
15.6 (<0.001)	15.5 (<0.001)	5.3	38.4 (0.002)	43.8 (<0.001)	24.0	20.3 (<0.001)	6.2	37.6 (0.002)	40.2 (<0.001)	25.1	24.2 (<0.001)	13.3	49.9 (<0.001)	25.1	22.6 (<0.001)	7.9	50 (<0.001)	45.2 (<0.001)	18.9
Delta CR Remission Over Placebo																			
130 mg: 10.3 6 mg/kg: 10.2			90 mg q12: 14.4 90 mg q8: 19.8			14.1			360 mg q8: 12.5 180 mg q8: 15.1			10.9		24.8		14.7		200 mg q4: 31.1 100 mg q8: 26.3	

Randomized responder designs: all patients in PLACEBO maintenance arms received drug and responded in induction

¹Sands BE, et al. *N Engl J Med*. 2019;381(13):1201-1214.

²Louis E, et al. *JAMA*. 2024;332(11):881-897.

³D'Haens G, et al. *N Engl J Med*. 2023;389(8):772.

⁴Rubin DT, et al. *Lancet*. 2025;405(10472):33-49.

48

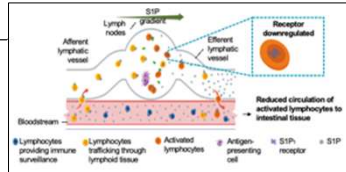


General Considerations for Small Molecules in UC

- Favorable PK avoids pharmacodynamic challenges of protein losing colopathy
- Convenience of oral delivery

• S1P Receptor Agonists (ozanimod, etrasimod):

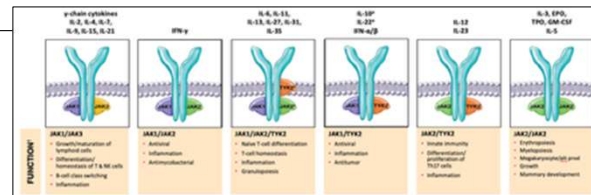
- Mechanism: prevents egress of active lymphocytes from lymph nodes
- Likely better in moderate vs severe disease
- Effects:
 - Expected reduction in circulating lymphocytes in periphery
 - Transient asymptomatic bradycardia
 - Rare risk of macular edema (transient)



Harris S, et al. *Neurol Neuroimmunol Neuroinflamm*. 2020;7(5):e839.

• JAK Inhibitors (tofacitinib, upadacitinib):

- Mechanism: inhibition of enzymes related to signal transduction
- U.S. label positioned after anti-TNF
- Effects:
 - Increased lipids (affects transport)
 - Risk of Herpes zoster (vaccine recommended)
 - Considerations related to VTE, MACE (but not observed in IBD)



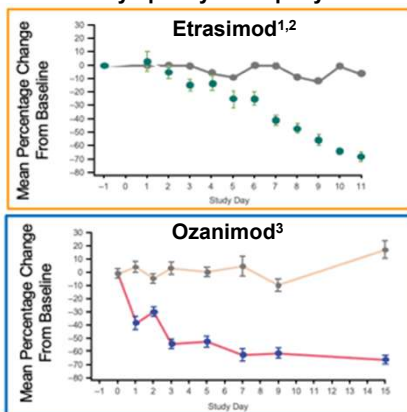
Clark JD, et al. *J Med Chem*. 2014;57(12):5023-5038.

49



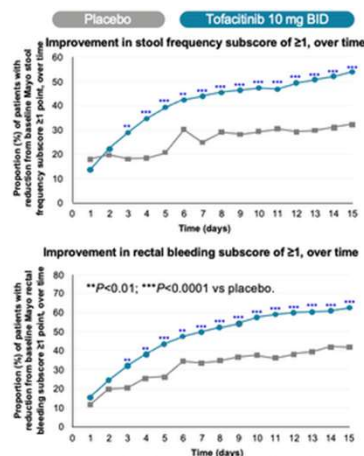
Novel Small Molecules are Fast! Consider Avoiding Steroids Entirely

S1P Receptor Modulators Affect Lymphocytes Rapidly



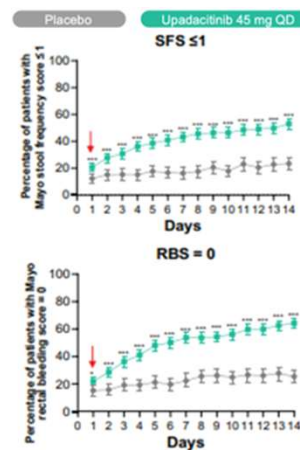
¹Peyrin-Broulet L, et al. Poster presented at: ECCO 2018; Vienna, Austria. Poster P573.
²Sandborn WJ, et al. *Gastroenterology*. 2020;158(3):550-561.
³Tran JO, et al. *J Clin Pharmacol*. 2017;57(8):988-996.

Tofacitinib



Hanauer S, et al. *Clin Gastroenterol Hepatol*. 2019;17(1):139-147.

Upadacitinib



Lofus EV Jr, et al. *Clin Gastroenterol Hepatol*. 2023;21(9):2347-2358.e6.

50



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

6. Positioning considerations for the patient with moderately to severely active UC

51



Treatment Positioning in the New UC Guidelines GRADEd Recommendations

1. In patients with moderately to severely active UC who are responders to **anti-TNF therapy and now losing response, we suggest measuring serum drug levels and antidrug antibodies** (if there is not sufficient drug present) to assess reason for loss of response. (Conditional recommendation, very low quality of evidence.)
2. In patients with moderately to severely active UC, we **recommend vedolizumab as compared to adalimumab for induction and maintenance of remission.** (Strong recommendation, moderate quality of evidence.)

Am J Gastroenterol. 2025;120(6):1187-1224.
Sands BE, et al. N Engl J Med 2019;381:1215-1226.

52



Treatment Positioning in the New UC Guidelines

Key Concept Statements

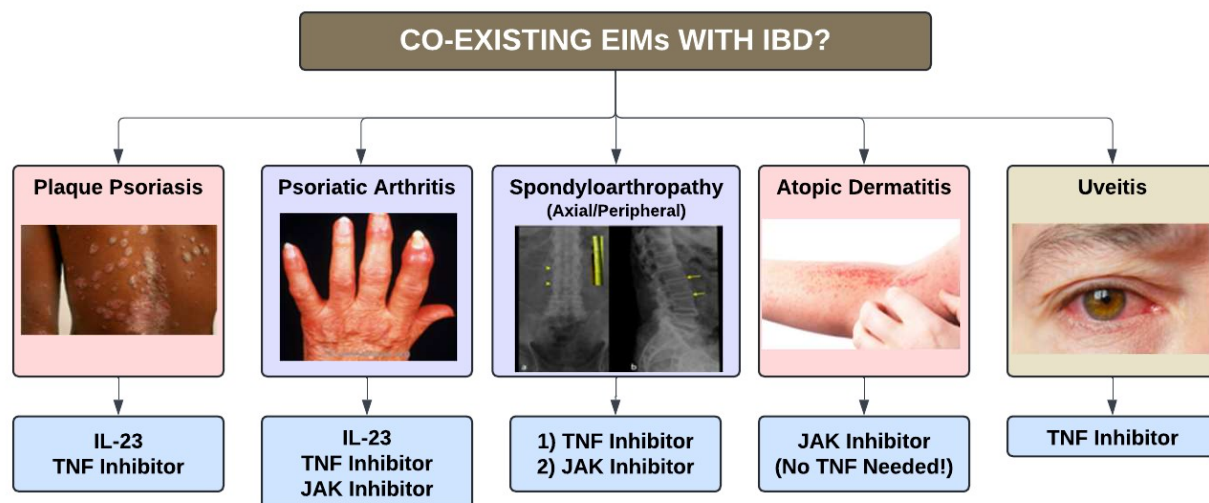
1. There are **no validated therapeutic biomarkers or companion diagnostic tests** to enhance selection or predict response to treatment for the patient with active UC.
2. Patients with UC should have available all medical options as recommended by their doctor and healthcare team. **Third party payers and requirements for step therapy should not come between the patient and their healthcare team** in making decisions about treatment for UC.
3. Patients with moderately to severely active UC have higher rates of response and remission with their first therapies than after failure of one or more other advanced therapies.
4. Given the expanding number of therapies per mechanistic class, a **distinction between primary non-response and secondary non-response is important** in order to select the next therapeutic option.
5. Post hoc subgroup analyses and network meta-analyses provide **hypothesis-generating data but are not sufficient** to stratify therapies for individual patients.
6. **Infliximab is the preferred anti-TNF therapy** for patients with moderately to severely active UC.
7. Some patients with moderately to severely active UC who are at higher risk for infectious complications may benefit from vedolizumab or an anti-IL-23 strategy over more systemically immunosuppressive medical options.
8. Initial and subsequent therapies for moderately to severely active UC may be **chosen based on extra-intestinal manifestations**, including the involvement of joints or skin, in which therapies which have efficacy in both UC and in the extra-intestinal organ is known.

Am J Gastroenterol. 2025;120(6):1187-1224.

53



Choosing Advanced Therapies for UC Based on Concomitant Immune Conditions and Extra-Intestinal Manifestations



David T. Rubin, MD, 2024.

54



Sections of the 2025 Ulcerative Colitis Practice Guidelines in Adults

7. Management of the hospitalized patient with acute severe UC

55



Management of the Hospitalized Patient with Acute Severe Ulcerative Colitis

- DVT prophylaxis^{1,4}
- Test for *C. diff*^{1,4,7}; treat with vancomycin^{1,8,9}
- Avoid opioids^{1,4}
- Methylprednisolone 60 mg/day or hydrocortisone 100 mg 3-4x/day^{1,2,3,7}
- If inadequate response to IVCS in 3-5 days → infliximab or cyclosporine^{1,2,3,4,6}
- Surgery if fail to respond to medical therapy^{4,5,6,7}
- If remission with cyclosporine, maintain remission with thiopurines¹ or vedolizumab¹

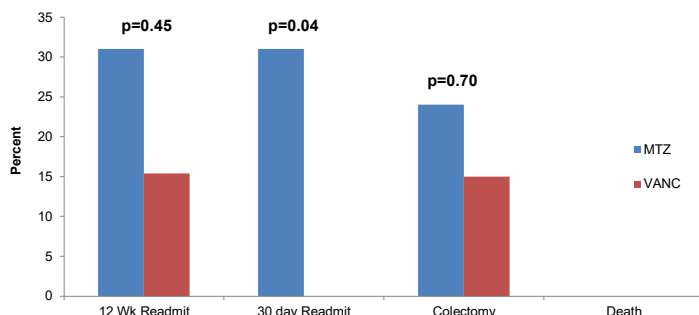
¹Rubin DT, et al. *Am J Gastroenterol*. 2025;120(6):1187-1224.²Hardbord M, et al. *J Crohns Colitis*. 2017;11(7):769-784.³Coi CH, et al. *Intest Res*. 2017;15(1):7-37.⁴Bitton A, et al. *Am J Gastroenterol*. 2012;107(2):179-94.⁵Ross H, et al. *Dis Colon Rectum*. 2014;57(1):5-22.⁶Brown SR, et al. *Colorectal Dis*. 2018;20(Suppl 8):3-117.⁷Wei CS, et al. *Intest Res*. 2017;15(3):266-284.⁸Johnson S, et al. Clinical Practice Guideline by the Infectious Diseases Society of America (IDSA) and Society for Healthcare Epidemiology of America (SHEA): 2021 focused update guidelines on management of *Clostridioides difficile* infection in adults. *Clin Infect Dis*. 2021;73(5):e1029–e1044.⁹Kelly CR, et al. ACG Clinical Guidelines: Prevention, Diagnosis, and Treatment of *Clostridioides difficile* Infections. *Am J Gastroenterol*. 2021;116(6):1124-1147.

56



UC Patients with *C. difficile* Should be Treated with Vancomycin

Antibiotic choice for non-severe CDI DOES influence outcomes in UC¹



Hospitalized UC patients with *C. difficile* should receive vancomycin regardless of severity score

¹Horton HA, et al. *Antimicrob Agents Chemother.* 2014;58(9):5054-9.
 Johnson S, et al. Clinical Practice Guideline by the Infectious Diseases Society of America (IDSA) and Society for Healthcare Epidemiology of America (SHEA): 2021 focused update guidelines on management of *Clostridioides difficile* infection in adults. *Clin Infect Dis.* 2021;73(5):e1029-e1044.
 Kelly CR, et al. ACG Clinical Guidelines: Prevention, Diagnosis, and Treatment of *Clostridioides difficile* Infections. *Am J Gastroenterol.* 2021;116(6):1124-1147.

57



Considerations for JAK inhibitors and ASUC

- Data on tofacitinib/upadacitinib for ASUC promising, may have benefit in selective patients
- Available studies are uncontrolled, in populations without prior anti-TNF exposure (US label), or use off-label dosing of the medications
- Clinicians cautioned against using higher doses of the JAK inhibitors in combination with corticosteroids or as rescue therapy immediately after infliximab because of concerns about over immune suppression and risks of opportunistic infections

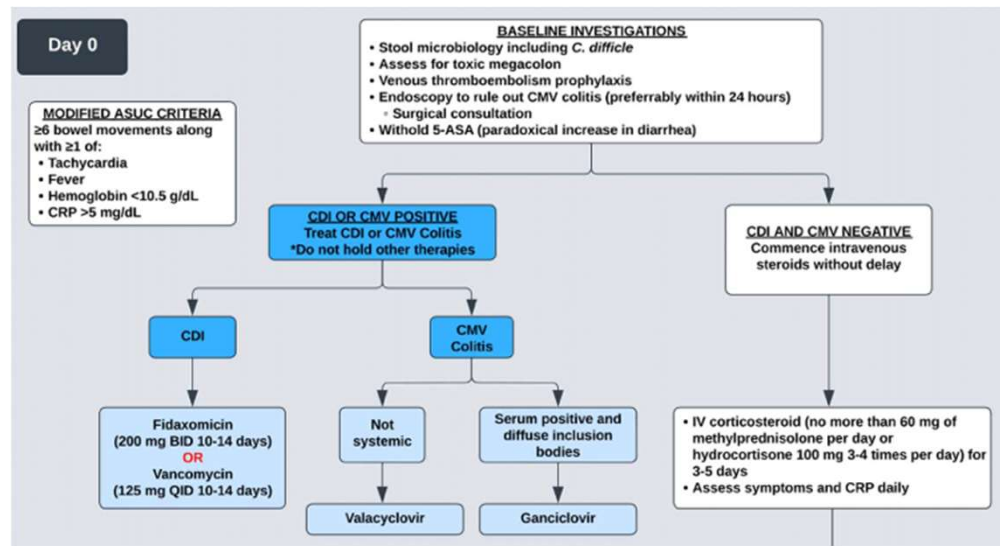
Therefore: We limit the recommendation of JAK inhibitor therapy as a standard option for all patients with ASUC at this time

Am J Gastroenterol. 2025;120(6):1187-1224.

58



ACG Algorithm for the Management of Hospitalized Patients With Acute Severe UC

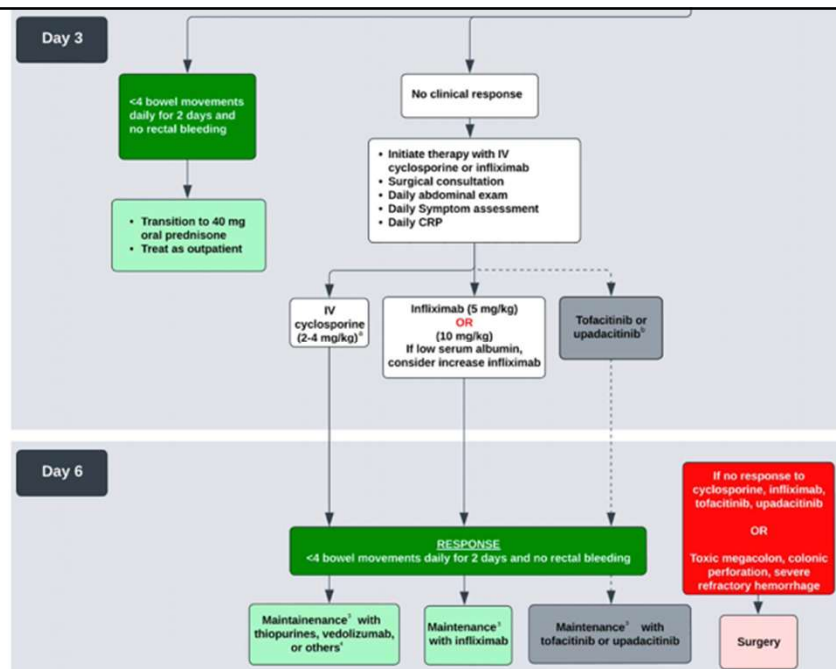


Am J Gastroenterol. 2025;120(6):1187-1224.

59



ACG Algorithm for the Management of Hospitalized Patients With Acute Severe UC



Am J Gastroenterol. 2025;120(6):1187-1224

60



Knowledge Gaps and Unresolved Issues

Pre-Diagnosis

Diagnosis

Induction and Maintenance of Remission

Disease Modification

- Prevention strategies for individuals at risk for developing UC
- Predictive biomarkers to personalize therapy selection (efficacy *and* safety)
- Application of intestinal ultrasound in assessment of UC
 - Role of transmural assessment in treatment response and outcomes
- Head-to-head randomized controlled trials to clarify sequencing and positioning of therapies
- Efficacy of different therapies in the setting of failure or intolerance to non-TNF-antagonist advanced therapy.
- Better understanding of combination therapy
- Novel mechanisms of action to treat UC
- Effect of earlier advanced treatment to improve outcomes

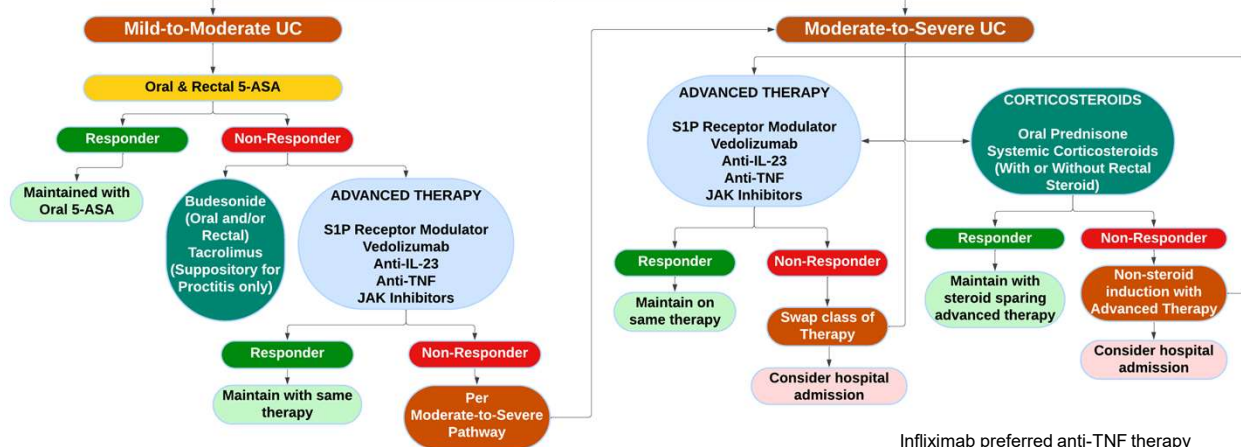
61



Management of Ulcerative Colitis 2025


EARLY DIAGNOSIS, CLARIFICATION OF ACTIVITY AND SEVERITY

Symptoms
Endoscopy
Hemoglobin/Albumin
Prior therapies
EIMs




Rubin DT, Ananthakrishnan AN, Siegel CA, Barnes EL, Long MD. *Am J Gastroenterol.* 2025;120(6):1187-1224.

62


Virtual Grand Rounds

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Questions



David T. Rubin, MD, FACP



Shannon Chang, MD, FACP

63

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64