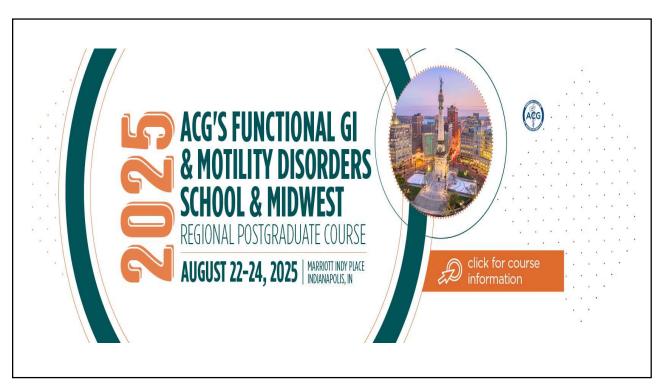


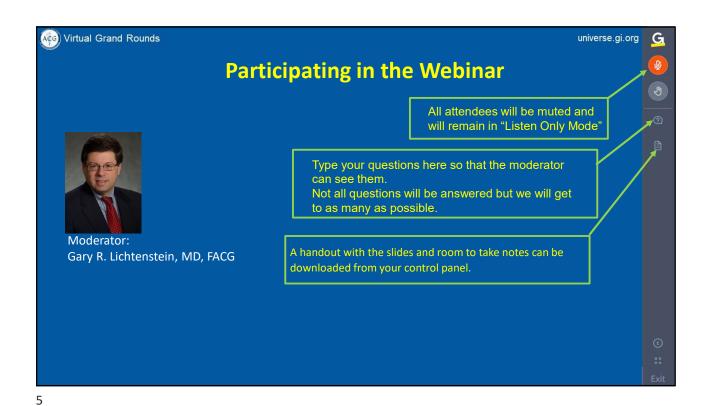
Submission Window Closes: August 31, 2025

1

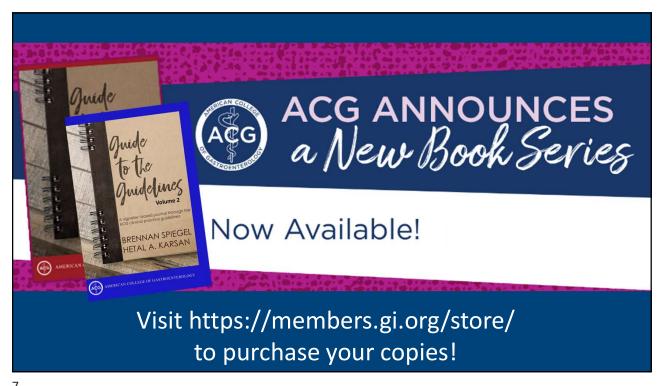








Virtual Grand Rounds universe.gi.org **ACG Virtual Grand Rounds** Join us for upcoming Virtual Grand Rounds! Week 30 - Thursday July 24, 2025 Inpatient Management of the Newly Diagnosed Short Bowel Patient: Consult to Discharge Faculty: Dawn W. Adams, MD, MS, CNSC Moderator: Shirley C. Paski, MD At Noon and 8pm Eastern Week 31 - Thursday July 31, 2025 Redefining Risk: How Healthcare Transformation is Reshaping Workplace Violence and Patient Behavior Faculty: Sunanda V. Kane, MD, MSPH, MACG Moderator: Benjamin J. Houge, MS At Noon and 8pm Eastern Visit gi.org/ACGVGR to Register



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Disclosures

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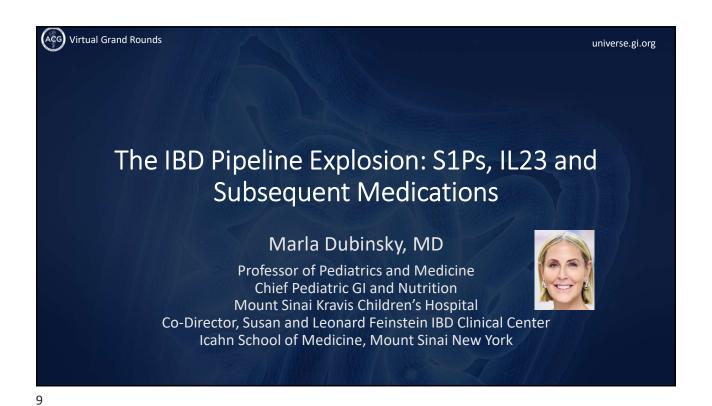


Marla C. Dubinsky, MD: AbbVie: Advisory Board, Consultant; Abivax: Advisory Board, Consultant, Astra Zeneca: Advisory Board, Consultant; Boehringer Ingelheim International GmbH: Advisory Board, Consultant; Bristol-Meyer Squibb: Advisory Board, Consultant; Celltrion: Advisory Board, Consultant; Eli Lilly and Company: Advisory Board, Consultant; F. Hoffmann-La Roche Ltd: Advisory Board, Consultant; Janssen Pharmaceuticals: Advisory Board, Consultant; Johnson and Johnson: Advisory Board, Consultant; Merck: Advisory Board, Consultant; Prometheus Labs: Advisory Board, Consultant; Sanofi: Advisory Board, Consultant; Spyre: Advisory Board, Consultant; Takeda Pharmaceuticals: Advisory Board, Consultant, Licensing fee

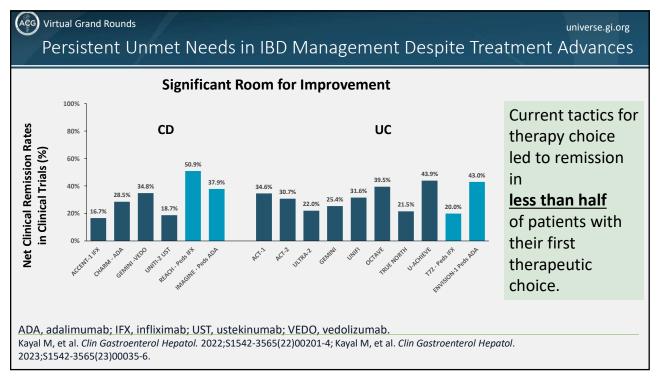


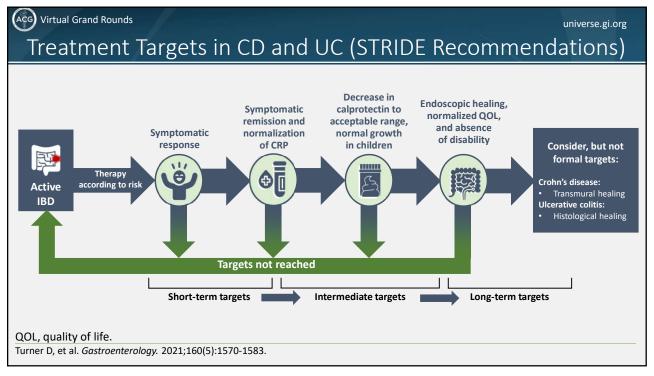
Gary R. Lichtenstein, MD, FACG: AbbVie: Consulting, Advisory Board, Speaking Honoraria, Support of University of Pennsylvania IBD Fellowship; Allergan: Consulting, Advisory Board, Speaking Honoraria; American Gastroenterological Association: Consulting, Advisory Board, Speaking Honoraria; American Regent: Consulting, Advisory Board, Speaking Honoraria; Annenberg Center for Health Sciences at Eisenhower: Consulting, Advisory Board, Speaking Honoraria; Bristol Meyers Squibb: Consulting, Advisory Board, Speaking Honoraria, Research; Celgene: Consulting, Advisory Board, Speaking Honoraria; Celltrion: Consulting, Advisory Board, Speaking Honoraria; Eli Lilly: Consulting, Advisory Board, Speaking Honoraria; Endo Pharmaceuticals: Consulting, Advisory Board, Speaking Honoraria; Ferring: Consulting, Advisory Board, Speaking Honoraria; Focus Medical Communications: Consulting, Advisory Board, Speaking Honoraria; Gilead: Consulting, Advisory Board, Speaking Honoraria; Ironwood: Consulting, Advisory Board, Speaking Honoraria; Johnson and Johnson: Consulting, Advisory Board, Speaking Honoraria, Research; Kabi Fresenius: Consulting, Advisory Board, Speaking Honoraria; Med Ed Consultants: Consulting, Advisory Board, Speaking Honoraria; Pharmacosmos: Consulting, Advisory Board, Speaking Honoraria; Pfizer: Consulting, Advisory Board, Speaking Honoraria, Support of University of Pennsylvania IBD Fellowship; Professional Educational Resources: Consulting, Advisory Board, Speaking Honoraria; Prometheus: Consulting, Advisory Board, Speaking Honoraria; Sandoz: Consulting, Advisory Board, Speaking Honoraria; Vindico: Consulting, Advisory Board, Speaking Honoraria; Janssen Orthobiotech: Support of $University\ of\ Pennsylvania\ IBD\ Fellowship;\ Gastroenterology\ and\ Hepatology\ (Gastro-Hep\ Communications):\ Editorship;$ Professional Communications: Editorship; SLACK: Editorship; Walters Kluwer: Editorship; Springer Science and Business Media: Editorship.

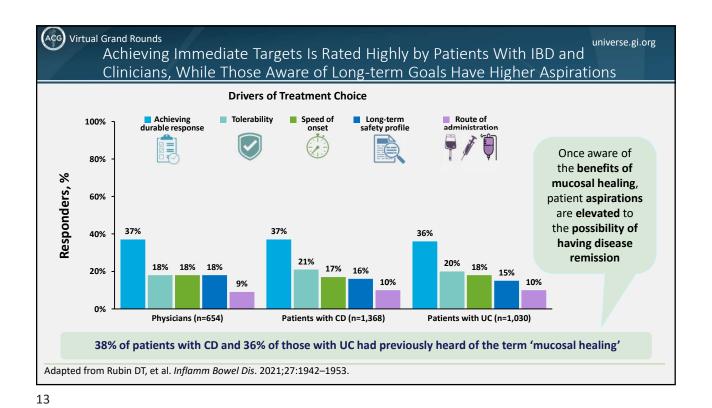
stAll of the relevant financial relationships listed for these individuals have been mitigated



(ACG) Virtual Grand Rounds universe.gi.org Evolution of the Treatment Landscape for IBD Upadacitinib in First anti-IL-12/23 First S1P receptor anti-TNF modulator approved approved approved Etrasimod in Ustekinumab in Ozanimod Infliximab Mirikizumab Mirikuzumab in CD in UC 2016 2021 2022 2023 [16 years] 2014 2018 2019 2024 2025 Vedolizumab in UC and CD Tofacitinib Ustekinumab Upadacitinib Guselkumab in UC in UC Risankizumab First First JAK Risankizumab in CD anti-integrin inhibitor in UC approved approved First anti-IL-23 approved IL, interleukin; JAK, Janus kinase; S1P, sphingosine-1-phosphate; TNF, tumor necrosis factor. Modified from Pouillon L, et al. Nat Rev Gastroenterol Hepatol. 2021;18(2):143.







Virtual Grand Rounds Patient Description: 28-Year-Old Female With UC Naive to Advanced Therapy

- Medical history:
 - Diagnosed with left-sided UC 18m ago
- Management since diagnosis:
 - Mesalamine (4.8 g daily)
 - Rectal therapy (PRN)
- Current presentation:
 - New onset rectal bleeding
 - 5-6 loose stools daily
 - Occasional urgency
 - No nocturnal stools

- Laboratory findings:
 - Infectious workup negative
 - C-reactive protein (CRP) 3 mg/L (normal <5 mg/L)
 - Fecal calprotectin (FCP) 690 ug/g (normal <250 ug/g)
- Patient goals:
 - To become pregnant in the near future
 - Get symptoms under better control

PRN, as needed.



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ACG 2025 Guidelines for the Treatment of Moderate-to-Severe UC

- Treatment Goal: Target endoscopic improvement (Mayo 0-1) to support sustained steroid-free remission and prevent hospitalization/surgery
- Monitoring: Use FC to guide response, detect relapse, and monitor during maintenance
- Induction:
 - First-line: Budesonide MMX (moderate UC), systemic corticosteroids
 - Preferred ATs*: S1P modulators, IL-12/23, IL-23 inhibitors, vedolizumab, anti-TNFs, JAK inhibitors
 - Avoid thiopurine/methotrexate monotherapy for induction
- **Maintenance:**
 - Continue effective induction biologic/JAK/S1P therapy
 - Avoid steroids; thiopurines can be used for steroid-induced remission
 - Avoid methotrexate
- Positioning: Vedolizumab preferred over adalimumab; check drug levels for anti-TNF loss of response

*S1P modulators (ozanimod, etrasimod), IL-12/23 (ustekinumab), IL-23 inhibitors (guselkumab, mirikizumab, risankizumab), vedolizumab, anti-TNFs (infliximab, adalimumab, golimumab), JAK inhibitors (tofacitinib, upadacitinib) AT, advanced therapies; FC, fecal calprotectin.

Rubin et al. Am J Gastroenterol | ACG (2025) 120(6):p 1187-1224.

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AGA Guideline on Pharmacological Management of universe.gi.org Adult Outpatients With Moderate-to-Severe UC*

- SUGGEST early use of ATs and/or IMM therapy over gradual step up after 5-ASA failure (conditional recommendation, very low certainty of evidence)
- RECOMMEND any of the following over no treatment: IFX, GOL, VEDO, TOF, UPA, UST, RIS, GUS, OZ, ETR (strong recommendation, moderate certainty of evidence)
- SUGGEST any of the following over no treatment: ADA, MIRI, FIL (conditional recommendation, moderate certainty of evidence)

AT-Naive (first-line therapy)

SUGGEST HIGHER or INTERMEDIATE over LOWER efficacy medication (conditional recommendation, low certainty of evidence)

Prior Exposure to ≥1 AT (particularly anti-TNF)

SUGGEST HIGHER or INTERMEDIATE over LOWER efficacy medication (conditional recommendation, low certainty of evidence)

Consider:

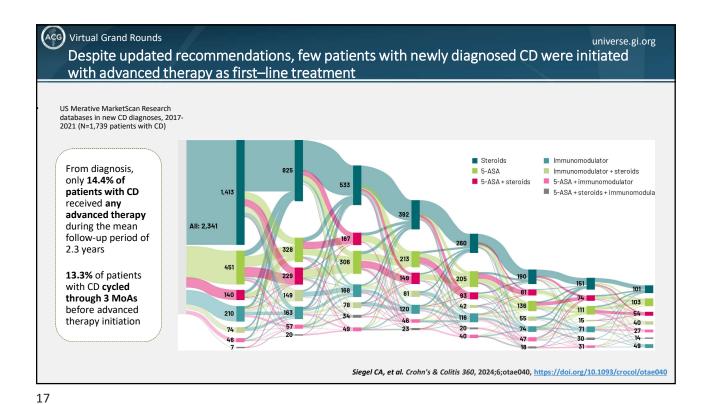
- · Biosimilars of IFX, ADA, UST as equivalent in efficacy to originator
- Subcutaneous IFX and VEDO as alternatives to respective IV maintenance doses for most patients
- Extended induction or dose escalation of ATs for some patients with severe disease

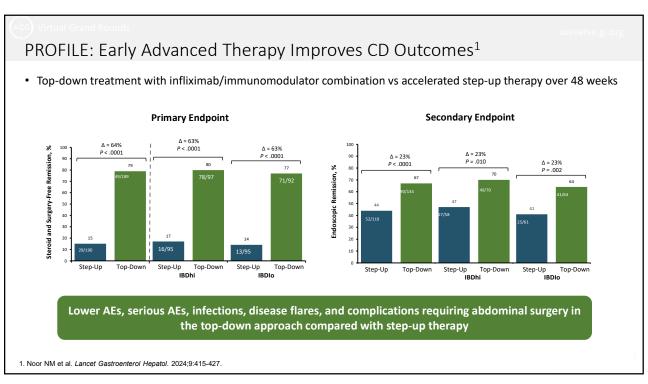
Efficacy:

- HIGHER IFX, VEDO, OZ, ETR, UPA, RIS, GUS
- INTERMEDIATE GOL, UST, TOF, FIL, MIRI
- LOWER ADA

- HIGHER TOF, UPA, UST
- INTERMEDIATE FIL, MIRI, RIS, GUS
- LOWER ADA, VEDO, OZ, ETR

*Patients with: 1) moderate-to-severe symptoms with Mayo endoscopy sub-score 2 or 3; 2) mild symptoms, with high burden of inflammation or poor prognostic features; 3) patients with corticosteroid-dependence, or refractory to oral corticosteroids.
AT, advanced therapy; ETR, etrasimod; FIL, filgotinib; GOL, golimumab; GUS, guselkumab; IMM, immunomodulator; IV, intravenous; MIRI, mirikizumab; OZ, ozanimod; RIS, risankizumab; TOF, tofacitinib; UPA, upadacitinib.
Singh S, et al. *Gastroenterology*. 2024;167:1307-1343.





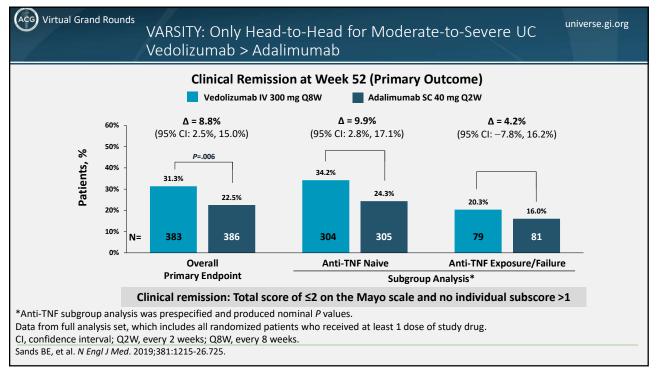
Advanced Therapies for UC

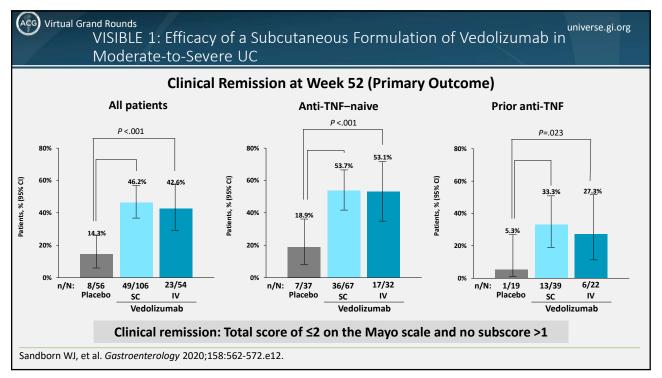
Therapeutic Class	Therapy	Approval Year	Route of Administration
Anti-TNFα	Infliximab	2005*	IV
	Infliximab-dyyb	2016 (IV); 2023 (SC)	IV (induction); IV or SC (maintenance)
	Adalimumab	2012*	SC
	Golimumab	2013	SC
Anti-integrin α4β7	Vedolizumab	2014	IV (induction); IV or SC (maintenance)
Anti-IL-12/IL-23	Ustekinumab	2019	IV (induction); SC (maintenance)
JAK inhibitor	Tofacitinib	2018	Oral
	Upadacitinib	2022	Oral (Approved for after TNF Failure)
S1P Receptor Modulator	Ozanimod	2021	Oral
	Etrasimod	2023	Oral
Anti-IL-23p19	Mirikizumab	2023	IV (induction); SC (maintenance)
	Risankizumab	2024	IV (induction); SC (maintenance)
	Guselkumab	2024	IV (induction); SC (maintenance)

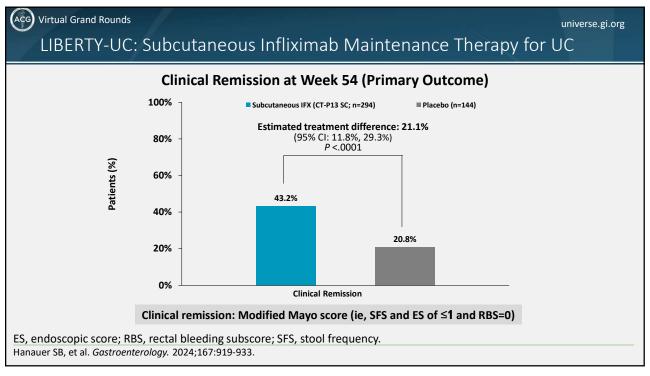
^{*}Subsequently approved for pediatric UC. SC, subcutaneous.

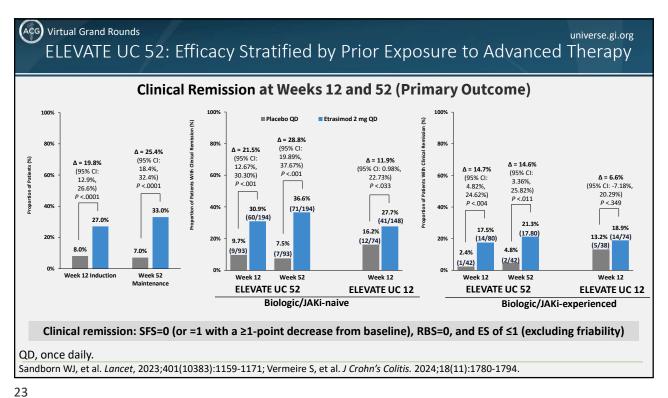
Entyvio (vedolizumab). Prescribing information. Janssen Biotech, Inc; 2023. Humira (adalimumab). Prescribing information. Janssen Biotech, Inc; 2023. Inflectra (infliximab-dyyb). Prescribing information. Celltrion Inc; 2023. Omvoh (mirikizumab). Prescribing information. Janssen Biotech, Inc; 2023. Remicade (infliximab). Prescribing information. Celltrion Inc; 2023. Skyrizi (risankizumab). Prescribing information. Eli Lilly and Company; 2025. Stelara (ustekinumab). Prescribing information. Abstelara (ustekinumab). Prescribing information. Anssen Biotech, Inc; 2023. Velsiptty (etrasimod). Prescribing information. Takeda Pharmaceuticals America, Inc; 2023. Velsiptty (etrasimod). Prescribing information. Takeda Pharmaceuticals America, Inc; 2023. Velsipty (etrasimod). Prescribing information. Inc; 2023. Velsipty (etrasimod). Prescribing information. Prizer Inc; 2024. Zymfentra (infliximab-dyyb). Prescribing information. AbbVie Inc; 2023.

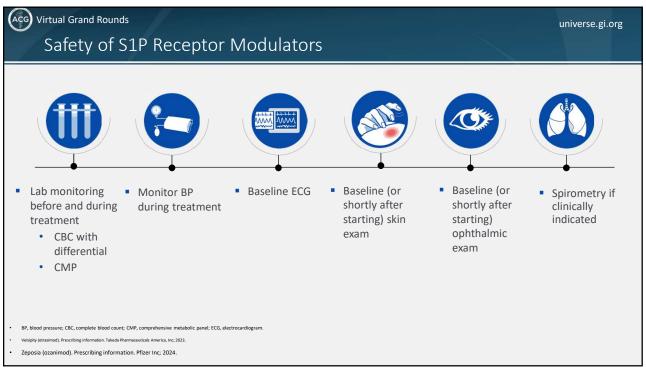
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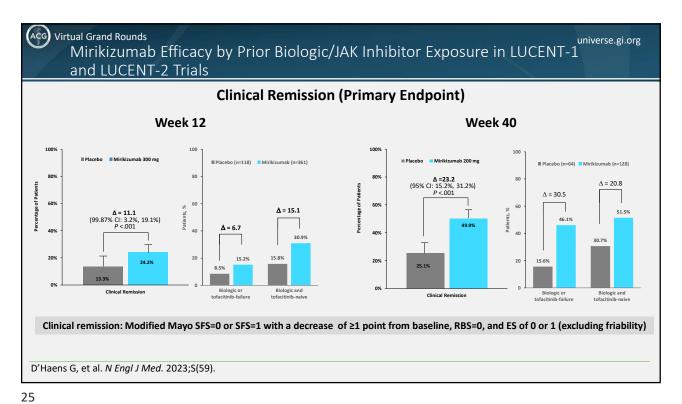


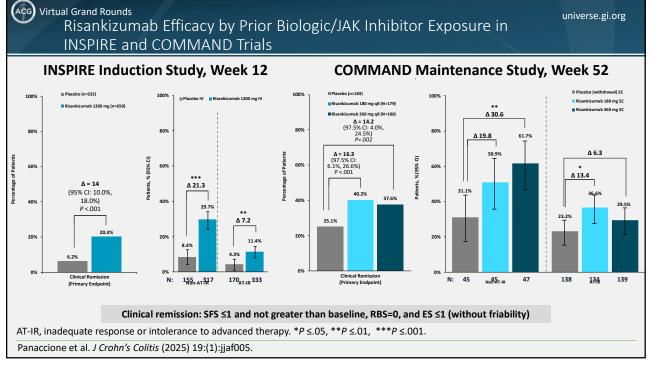


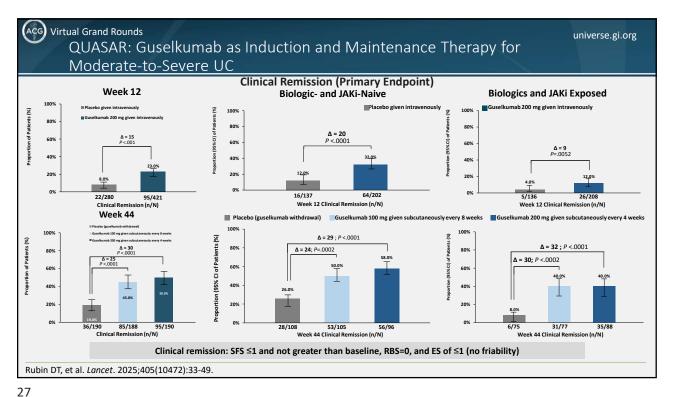




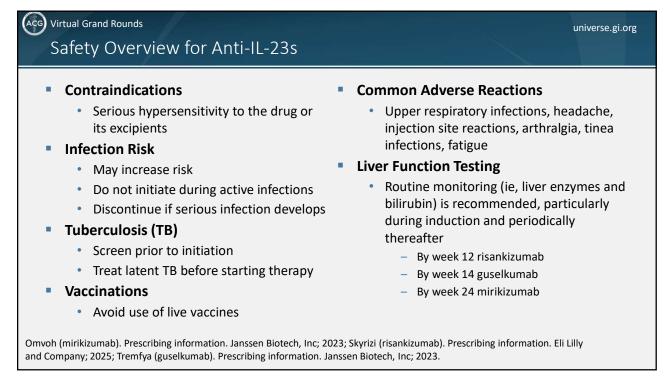








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Patient Description: 33-Year-Old Male With CD Failing Anti-TNF Therapy



- Medical history:
 - 5-year history of CD
- Current management:
 - IFX 5 mg/kg every 6 weeks
 - Recent IFX level of 12 μg/mL
- Current presentation:
 - Worsening symptoms over the past 3 months
 - · Increased abdominal pain
 - 5-lb weight loss
 - 2-3 loose stools daily
 - Fatigue

SES-CD, Simple Endoscopic Score for Crohn's Disease.

Laboratory findings:

- CRP 12 mg/L (normal <5 mg/L)
- Fecal calprotectin 430 ug/g (normal <250 ug/g)

Colonoscopy results:

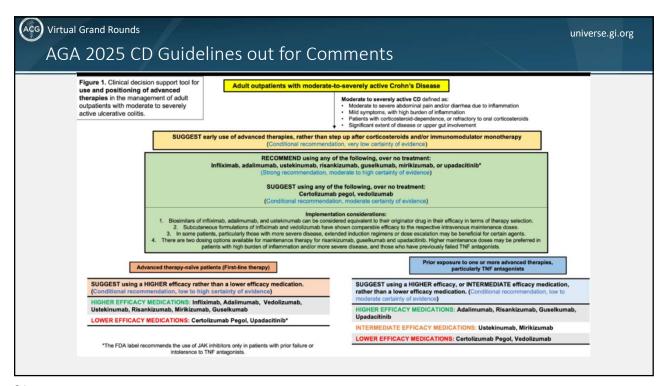
- Linear circumferential ulcers in the last
 12 cm of the terminal ileum
- Aphthous ulcerations in the cecum and ascending colon
- SES-CD score 9

Patient concerns:

- Increased anxiety and fatigue
- · Worsening pain

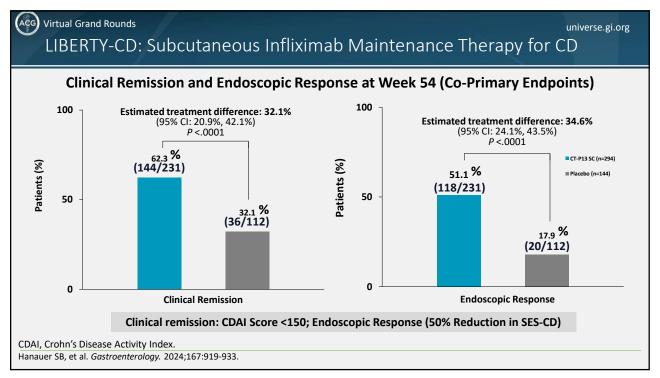
(ACG) Virtual Grand Rounds universe.gi.org ACG 2025 Guidelines for the Management of CD SEARLY initiation of advanced therapy is KEY for optimal outcomes in CD Sulfasalazine should be Oral mesalamine 0 0 with symptomatic mild colonic Crohn's disease 0 Ileal release budesonide Oral corticosteroids (Prednisone 40 mg daily for 1-2 weeks, with subsequent tapering) Think early advanced therapy for these patients 0 Thiopurines (Azathioprine 2-2.5 mg/kg/day, Mercaptopurine 1-1.5 mg/kg/day) IV IFX + thiopurines >> immunomodulators or IV IFX alone in those whoa are TPMT testing before start Given the adverse effect profile of thiopurine 0 monotherapy (eg, lymphoma, skin cancer), consider newer, safer agents for maintenance naïve to those agents Methotrexate (up to 25 mg 1×/week IM/SC) ↓ to 15 mg/wk @ 4 mo if steroid-free remission 0 Anti-TNF agents (IV infliximab; SC adalimumab; SC certolizumab pegol) SC infliximab for maintenance only
 Check TB, hepatitis B testing pre-treatment Remember to address disease modifiers! NSAID use Cigarette smoking Management of stress, SC vedolizumab for maintenance only **√** IV vedolizumab depression, and anxiety
• Diet Anti-IL 12/23 agents (Ustekinumab) RISA>> UST for anti-TNF experienced pt GUS → SC or IV induction MIRI, RISA, UST → IV induction Anti-IL 23 agents (Guselkumab; Mirikizumab; Risankizumab) 1 Use limited to anti-TNF-experienced patients in the US Upadacitinib Lichtenstein et al. Am J Gastroenterol | ACG (2025) 120(6):p 1225-1264,

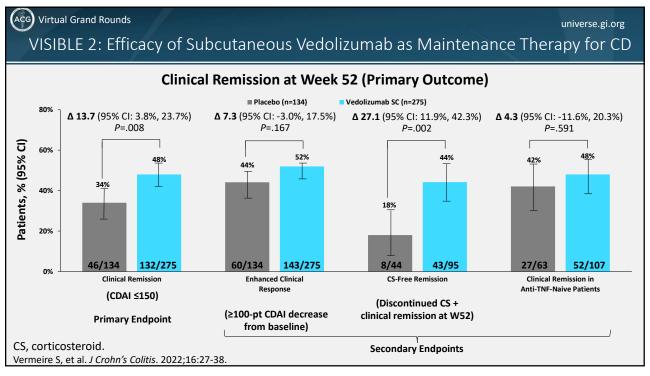
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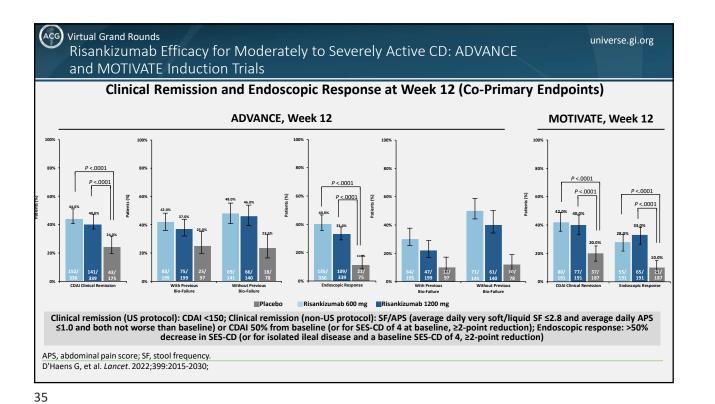


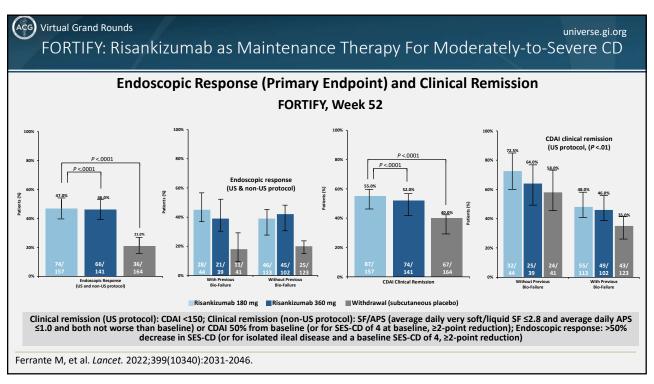
		s for CD	
Therapeutic Class	Therapy	Approval Year	Route of Administration
Anti-TNFα	Infliximab	1998*	IV
	Infliximab-dyyb	2016 (IV); 2023 (SC)	IV (induction); IV or SC (maintenance)
	Adalimumab	2007*	sc
	Certolizumab pegol	2008	SC
Anti-integrin α4β7	Vedolizumab	2014	IV (induction); IV or SC (maintenance)
Anti-IL-12/IL-23	Ustekinumab	2016	IV (induction); SC (maintenance)
JAK inhibitor	Upadacitinib	2023	Oral
Anti-IL-23p19	Risankizumab	2022	IV (induction); SC (maintenance)
	Mirikizumab	2025	IV (induction); SC (maintenance)
	Guselkumab	2025	SC or IV (induction); SC (maintenance)

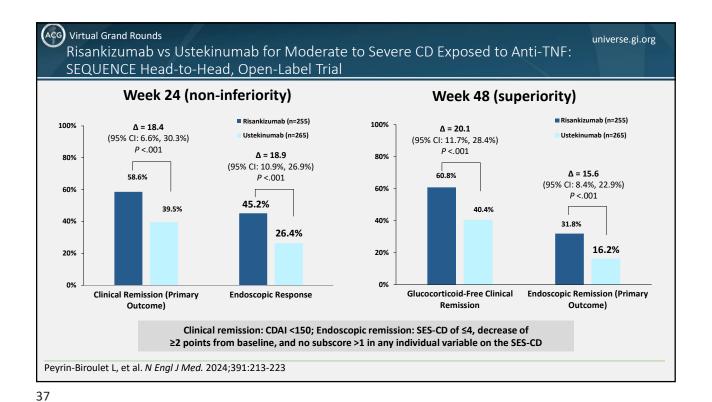
Prescribing information. Janssen Biotech, Inc; 2023. Zymfentra (infliximab-dyyb). Prescribing information. AbbVie Inc; 2023.

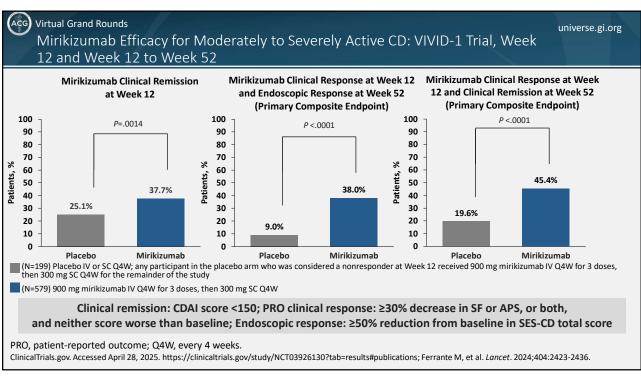


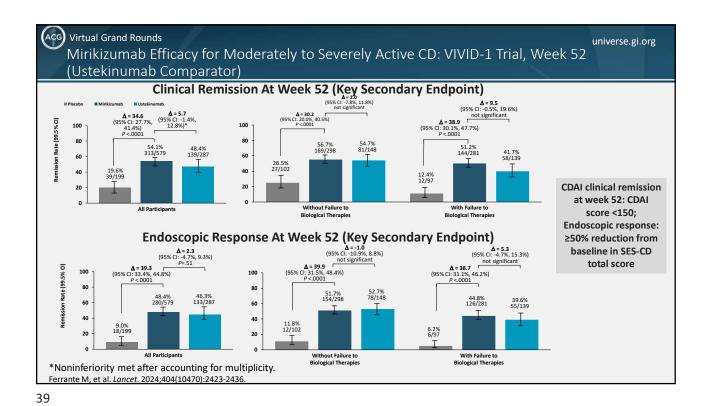


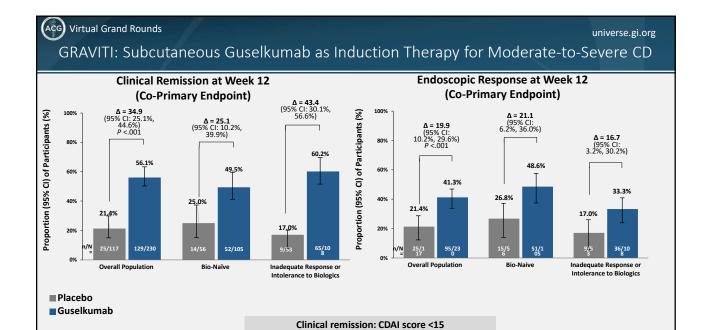








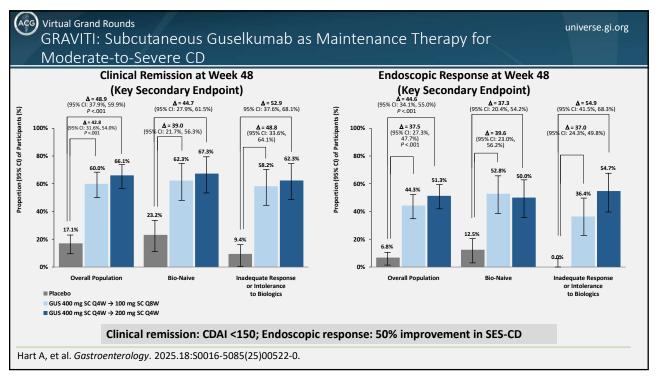


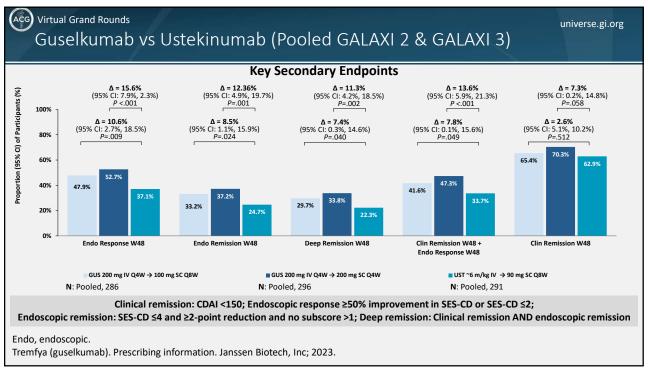


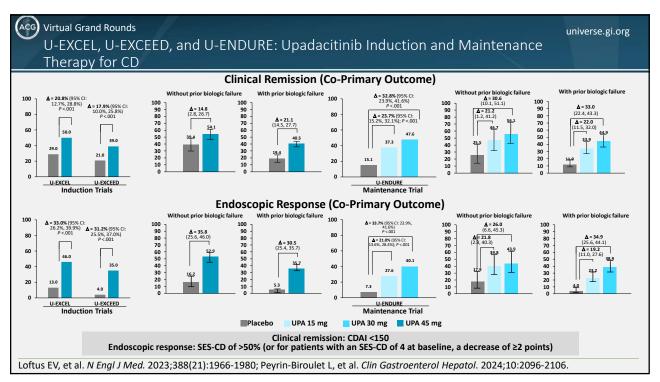
Endoscopic response: 50% improvement in SES-CD

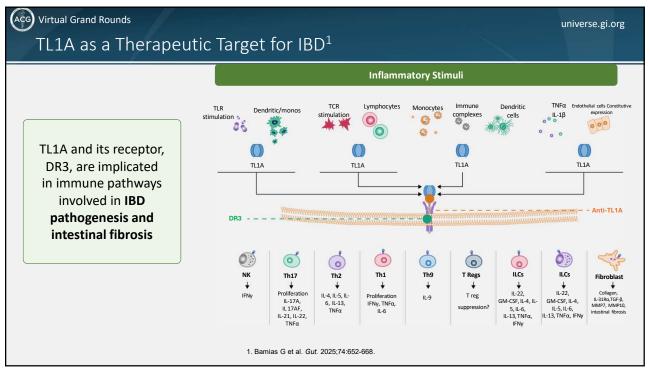
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Hart A, et al. Gastroenterology. 2025;18:S0016-5085(25)00522-0.

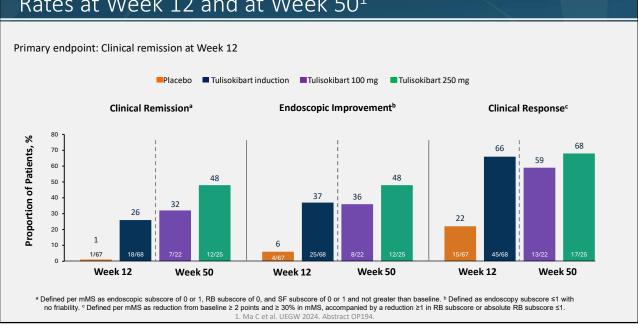






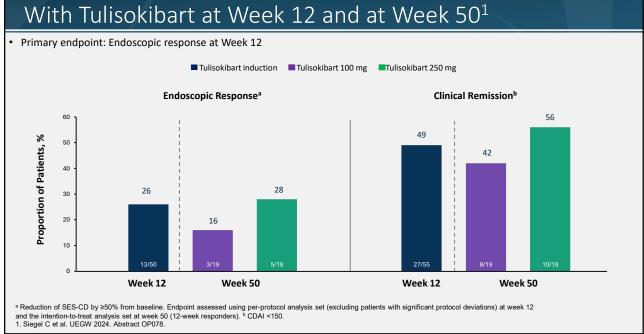


ARTEMIS-UC: Clinical Remission and Endoscopic Response Rates at Week 12 and at Week 50¹



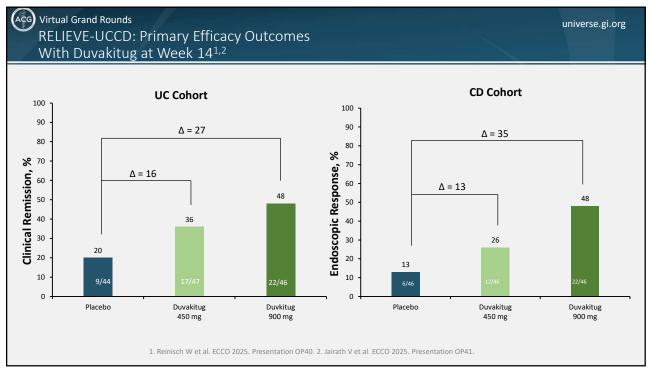
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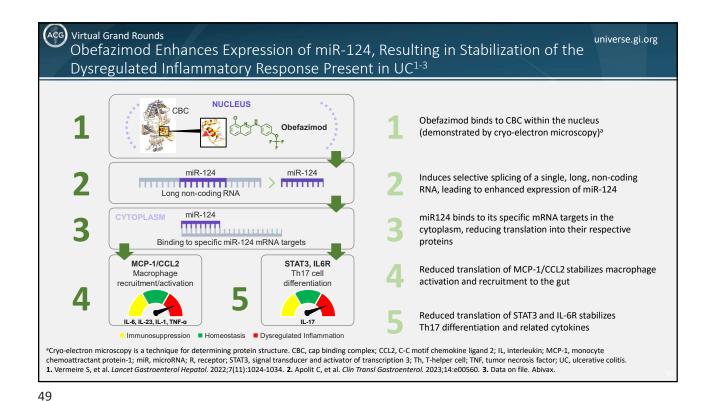
APOLLO-CD: Endoscopic Response and Clinical Remission With Tulisokibart at Week 12 and at Week 50¹

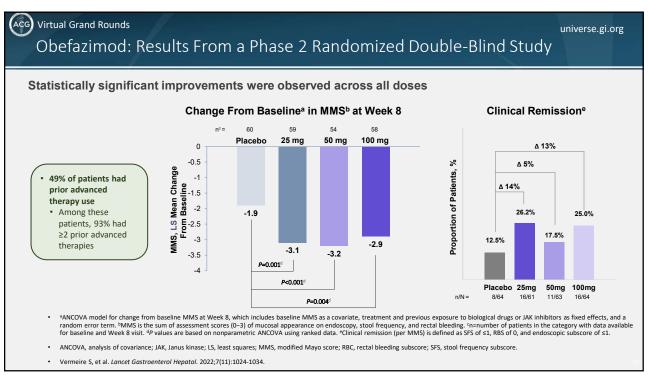


TUSCANY-2: Clinical Remission UC With Afimkibart at Week 14 and at Week 561 Primary endpoint: Clinical remission at Week 14 ■50mg ■ 150 mg ■ 450 mg Endoscopic Improvement at Wk 14 and 56b Participants receiving same dose of Afimkibart Clinical Remission by MMSb during induction and maintenance 38.5 39.3 35.7 60 60 30.4 28.6 40 Wk 14 Week Week Week Week Week a Clinical remission by tMS defined as tMS ≤2, with no individual subscore >1. Excluding participants with missing data due to medical or operational complications resulting from COVID-19. P Data shown for participants receiving the same afimkibart dose during both the induction and maintenance period of the study (50 mg to 50 mg; 150 mg to 150 mg; 450 mg to 450 mg). 1. Danese S et al. UEGW 2024. Abstract OP079.

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- The treatment landscape for IBD has significantly expanded in recent years
- The emergence of personalized medicine enables clinicians to tailor therapy based on patient characteristics, prior treatment history, and personal goals
- Early advanced therapy changes the natural history of IBD
- Treatment choice matters based on prior advance therapy exposure
- An exciting pipeline with novel targets

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