Early disease efficacy of guselkumab therapy in biologic-naïve patients with moderately to severely active Crohn's disease: Post-hoc analysis from the phase 3 GALAXI 2 & 3 studies

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Disclosure of Conflicts of Interest

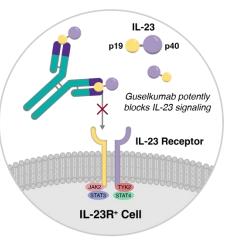
I, Geert D'Haens, herewith declare the following paid or unpaid consultancies, business interests or sources of honoraria payments for the past three years, and anything else which could potentially be viewed as a conflict of interest:

I report consultancy activities for AbbVie, Agomab, Alimentiv, AstraZeneca, AMT, Bristol Meyers Squibb, Boehringer Ingelheim, Celltrion, Eli Lilly, Exeliom, Galapagos, GlaxoSmithKline, Gossamerbio, Immunic, Index, Johnson & Johnson, Kaleido, Origo, Pfizer, Polpharma, Procise Diagnostics, Prometheus Laboratories, Prometheus Biosciences, Progenity, and Protagonist Therapeutics Inc.; speaker's bureau for AbbVie, Bristol Meyers Squibb, Galapagos, Pfizer, and Takeda; and data monitoring board activities for AbbVie, AstraZeneca, Galapagos, and Seres Health.

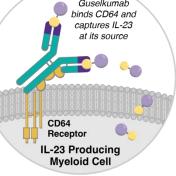
at ECCO'25 Congress

Background and Objective

- Early biologic treatment is associated with better efficacy outcomes in patients with Crohn's disease (CD)¹
- Guselkumab is a dual-acting IL-23p19 subunit inhibitor that potently blocks IL-23 and binds to CD64, a receptor on immune cells that produce IL-23²
- GALAXI 2 & 3 are identically designed trials assessing the efficacy and safety of guselkumab in participants with moderately to severely active CD, and the efficacy in BIO-naïve participants was previously reported.^{3,4,5}
- Here, we present results of a post-hoc analysis of guselkumab efficacy in BIO-naïve participants with disease duration ≤2 years, BIO-naïve participants with disease duration >2 years, and BIO-IR participants (inadequate response/intolerance) using data from the pooled phase 3 GALAXI trials.





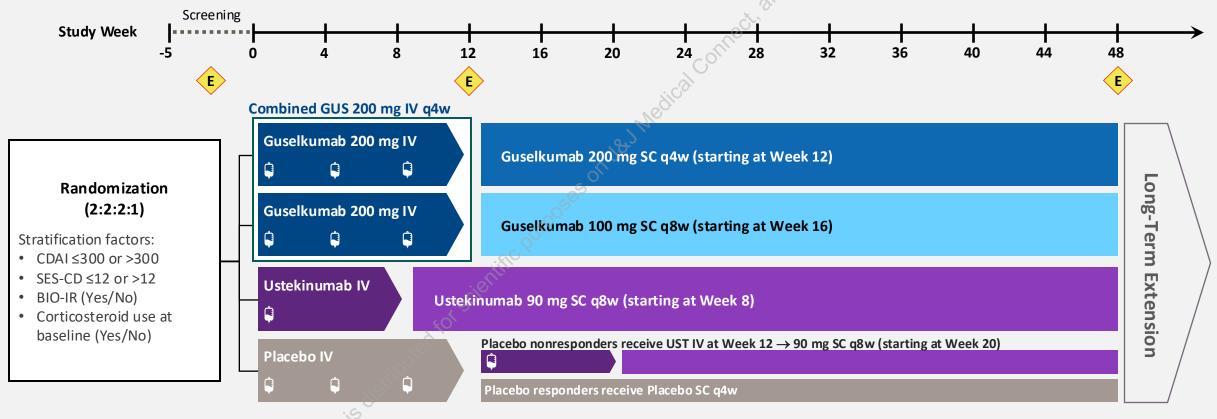


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Double-Blind, Treat-Through Design: GALAXI 2 & 3

Key eligibility criteria

- Moderately to severely active CD (CDAI score 220–450 + mean daily Stool Frequency count >3 OR Abdominal Pain score >1) and SES-CD score^a ≥6 (or ≥4 for isolated ileal disease)
- Inadequate response/intolerance to oral corticosteroids or 6-MP/AZA/MTX, or biologic therapies^b



- a. Scored at screening by central reader with minimum scores of 1 for "size of ulcer" and "ulcerated surface"
- b. Biologic therapies: TNF antagonists or vedolizumab
- E = Endoscopy

Note: To maintain treatment masking, all participants received active and/or placebo IV q4w through Week 12 and active and/or placebo SC q4w through Week 48

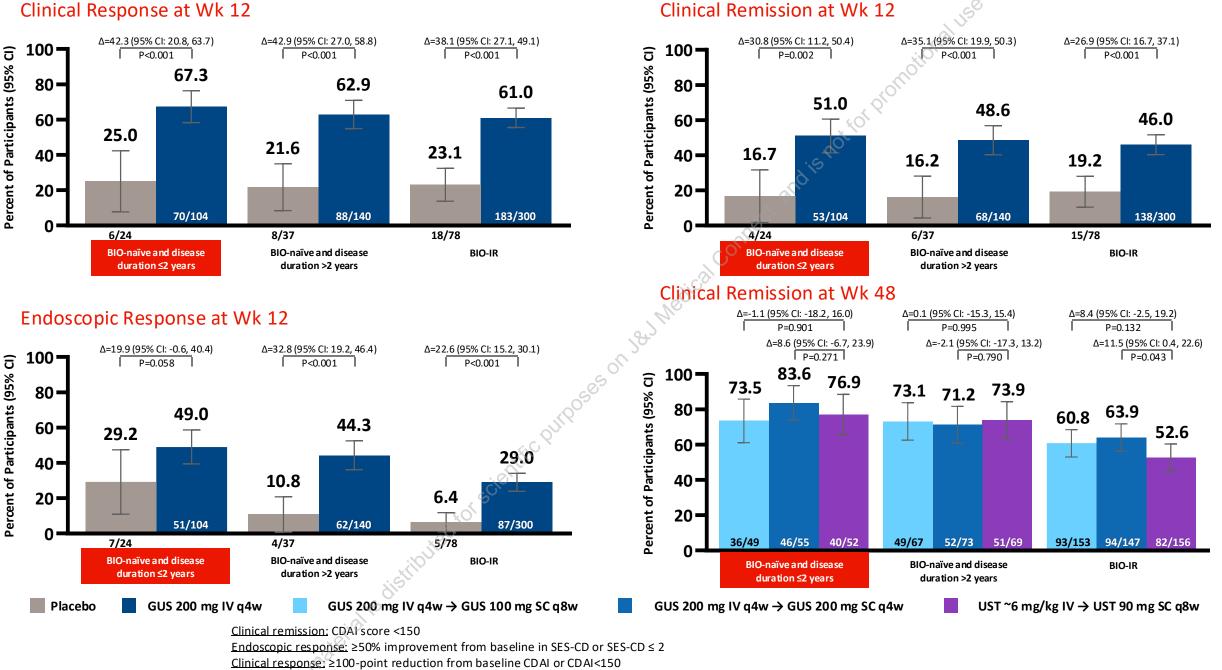
Table 1. Baseline Demographics and Disease Characteristics

	BIO-naïve and disease duration ≤2 years	BIO-naïve and disease duration >2 years	Total BIO-naïve	BIO-IR
Primary analysis set	N=180ª	N=246 ^a	N=426 ^a	N=534ª
Demographics		6	\ ²	
Age in years, mean (SD)	33.6 (13.27)	38.3 (12.76)	36.3 (13.16)	36.9 (12.79)
Male, n (%)	99 (55.0%)	137 (55.7%)	236 (55.4%)	311 (58.2%)
Characteristics		on ⁿ		
CD duration in years, mean (SD)	0.88 (0.479)	8.07 (6.447)	5.04 (6.058)	8.54 (7.585)
CDAI score, mean (SD)	292.3 (51.21)	293.4 (52.21)	292.9 (51.73)	294.9 (52.95)
SES-CD score, mean (SD)	11.9 (6.46)	12.0 (6.91)	11.9 (6.72)	13.7 (7.54)
Endoscopic disease severity (SES-CD score), n (%)		2 3		
Moderate (7–16)	101 (56.1%)	130 (52.8%)	231 (54.2%)	284 (53.2%)
Severe (>16)	38 (21.1%) 🖉	60 (24.4%)	98 (23.0%)	162 (30.3%)
Involved GI areas by central reader, n (%)				
Colon only	68 (37.8%)	101 (41.1%)	169 (39.7%)	213 (39.9%)
lleum only	44 (24.4%)	64 (26.0%)	108 (25.4%)	104 (19.5%)
Ileum and Colon	68 (37.8%)	81 (32.9%)	149 (35.0%)	217 (40.6%)
Biomarkers	, SUL			
CRP in mg/L, median (IQR)	5.4 (1.9; 13.6)	4.7 (1.6; 12.8)	4.8 (1.7; 13.0)	8.4 (3.1; 24.7)
Fecal calprotectin in μg/g,^b median (IQR)	751.0 (278.0; 1790.0)	693.5 (237.0; 1554.0)	728.0 (244.0; 1612.0)	1225.0 (445.0; 2494.0)
Concomitant CD medications at baseline, n (%)	<u>0</u>			
6-MP/AZA	46 (25.6%)	81 (32.9%)	127 (29.8%)	136 (25.5%)
МТХ	1 (0.6%)	0	1 (0.2%)	15 (2.8%)
Oral corticosteroids	83 (46.1%)	109 (44.3%)	192 (45.1%)	158 (29.6%)

6-MP= 6-mercaptopurine. AZA= azathioprine. BIO= biologic. CDAI= Crohn's disease activity index. CRP= C-reactive protein. IQR= interquartile range. IR= inadequate response/intolerance. MTX= methotrexate. SC= subcutaneous. SD= standard deviation. SES-CD= simple endoscopic score for Crohn's disease.

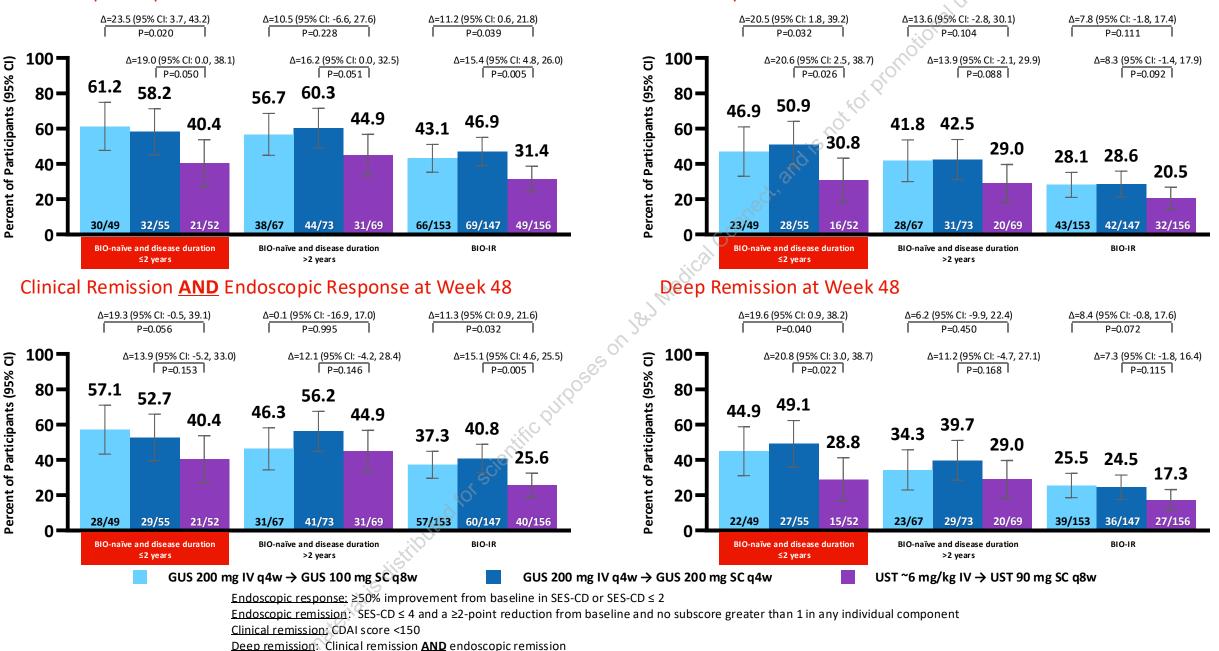
^a Includes all participants (including those randomly assigned to ustekin umab) in the BIO-naïve or BIO-IR subpopulation of the primary analysis set (all randomized participants who received at least 1 partial or complete dose of study intervention and had a screening SES-CD score ≥6 [or ≥4 for participants with isolated ileal disease]). ^b Based on N=179 for disease duration ≤2 years, N=242 for disease duration >2 years, N=421 for total BIO-naïve, and N=526 for BIO-IR.





All n-values are nomina Note: Participants who had a CD-related surgery, a prohibited change in CD medication, or discontinued study agent due to lack of efficacy, an AE of worsening CD or Week 20/24 non-responder or discontinued study agent for any reason (other than COVID-19 related reasons [excluding COVID-19 related reasons [excluding COVID-19 related reasons [excluding covid-study agent for any reason (other than COVID-19 related reasons [excluding COVID-19 related reasons [excluding COVID-19 related reasons [excluding COVID-19 related reasons [excluding covid-study agent for any reason (other than COVID-19 related reasons [excluding COVID-19 related re 19 related reasons (excluding COVID-19 infection) or regional crisis had their observed data used, if available: After accounting for the aforementioned data handing rules, participants who were missing data pertaining to an endpoint at a designated timepoint were considered not to have a hieved the endpoint. The adjusted treatment difference(s), confidence interval(s), and p-value(s) were based on the common risk difference by use of Mantel-Haenszel and the Sato variance estimator. The stratification factors are baseline CDAI score (<300 or >300), baseline SES-CD score (<12 or >12), and baseline corticost eroid use (Yes or No).

Endoscopic Response at Week 48



Endoscopic Remission at Week 48 S

All p-values are nomina

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Key Takeaways

- In GALAXI, guselkumab-treated BIO-naïve participants with disease duration ≤2 years achieved clinical and endoscopic endpoints in greater proportions compared with placebo and endoscopic endpoints in greater proportions compared with ustekinumab
- Clinical and endoscopic improvements in BIO-naïve participants were greater than those with prior BIO-IR
- For the more stringent endpoints at 1 year, such as endoscopic remission and deep remission, BIO-naïve participants with disease duration ≤2 years who received guselkumab achieved higher rates compared to those with disease duration >2 years
 - This trend was observed for both guselkumab doses, but not ustekinumab
- Overall, these robust results highlight the benefit of early biologic treatment and support the use of guselkumab as an early therapeutic choice in CD

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 2 and 3 studies possible
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