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- Uncontrolled inflammation in PsA increases the risk of structural joint damage, which is associated with long-term disability and greater impairments in physical function and health-related quality of life
- Guselkumab (GUS) is a fully human, dual-acting,¹ monoclonal antibody that selectively inhibits the interleukin (IL)-23p19 subunit
- In the phase 3b APEX study, GUS demonstrated efficacy across PsA domains and significantly inhibited structural damage progression compared with placebo (PBO) in participants (pts) with active and erosive PsA at Week (W) 24²

 Evaluate the relationship between clinical response status and structural damage progression at W24 among GUS-randomized pts in APEX

- ## Statistical Analyses
- Pts were considered clinical nonresponders if they initiated/increased oral corticosteroids, csDMARDs, initiated protocol-prohibited PsA therapies, or discontinued study agent for any reason other than ND/MD
 - Data affected by ND/MD were not used
 - For change in vdH-S scores, data affected by ND/MD were not used; missing data were imputed using MI

ACR20/50/70= $\geq 20\%/ \geq 50\%/ \geq 70\%$ improvement in the American College of Rheumatology criteria, CASPAR=CIAssification criteria for Psoriatic Arthritis, cDAPSA=clinical Disease Activity Index for PsA, CRP=C-reactive protein, csDMARDs=conventional synthetic disease modifying antirheumatic drugs, DAPSA=Disease Activity Index for PsA, F/U=follow-up, GUS=Guselkumab, HAQ-DI=Health Assessment Questionnaire-Disability Index, LDA=low disease activity, LSM=least squares mean, MD=major disruption (Ukraine/Russia Crisis), MDA=minimal disease activity, MI=multiple imputation, ND=natural disaster (COVID-19 site access restrictions), NSAIDs=nonsteroidal anti-inflammatory drugs, PBO=placebo, Pt=patients, PsA=psoriatic arthritis, PsO=psoriasis, Q4W/Q8W=every 4/8 weeks, R=randomization, REM=remission, SJC=swollen joint count, TJC=tender joint count, VAS=visual analog scale, vdhS=van der Heijde-Sharp.

Values are reported as mean (SD) for pts with nonmissing data unless otherwise noted. **BMI**=body mass index, **cDAPSA**=clinical Disease Activity Index for Psoriatic Arthritis, **CRP**=C-reactive protein, **DAPSA**=Disease Activity Index for PsA, **DSS**=Dactylitis Severity Score, **GUS**=gustatory loss, **HAQ-DI**=Health Assessment Questionnaire-Disability Index, **JSM**=joint space narrowing, **LEI**=Leeds Enthesis Index, **PBO**=pooled, **PsA**=psoriatic arthritis, **Pt**=participants, **Q4W/Q8W**=every 4/8 weeks, **SD**=standard deviation, **SCS**=swollen joint count, **TJC**=tender joint count, **VAS**=visual analog scale, **vdH-S**=van der Heijde-Sharp score

ACR 20/50/70=≥20%/≥50%/≥70% improvement in the American College of Rheumatology criteria, **GUS**=Guselkumab, **LSM**=least square mean, **PsA**=Psoriasis, **Q4W/Q8W**=every 4/8 weeks, **vdH-S**=van der Heijde-Sharp, **W**=week.

DAPSA=Disease Activity Index for PsA, **GUS**=Guselkumab, **LSM**=least square mean, **PsA**=Psoriasis, **Q4W/Q8W**=every 4/8 weeks, **vdH-S**=van der Heijde-Sharp, **W**=week.

^aAmong pts who had HAQ-DI score >0.5 at baseline. ^bAmong pts who had pt-reported pain VAS >15 at baseline. **HAQ-DI**=Health Assessment Questionnaire-Disability Index, **GUS**=Guselkumab, **LDA**=low disease activity, **LSM**=least square mean, **PsA**=Psoriasis, **Pt**=participant, **Q4W/Q8W**=every 4/8 weeks, **VAS**=visual analog scale, **vdH-S**=van der Heijde-Sharp, **W**=week.

PERSONALITY BY: Beata Rivard at Michigan Rheumatism Society (MRS) Annual Meeting Conference; August 07–09, 2026; ACME, United States. **REFERENCES:** 1. Sacken KL, et al. Front Immunol. 2025;16:1532852. 2. Mease PJ. Ann Rheum Dis. 2025;84:1983–1984. 3. Schoels M, Ann Rheum Dis. 2016;75:811–818. 4. Hellweli PS. Arthritis Care Res. 2014;66:749–756. 5. Coates LC, J Rheumatol. 2016;43:371–375. **ACKNOWLEDGMENTS:** Medical writing support was provided by Kelly Koch, PharmD of Johnson & Johnson, under the direction of the authors in accordance with Good Publication Practice guidelines (An Intern Med. 2022;175:1298–1304). Layout design and reformatting for this encore presentation was provided by Sandeep Chavan of SIRO Medical Writing Pvt Ltd, Thane, India (sponsored by Johnson & Johnson). This presentation was sponsored by Johnson & Johnson. **DISCLOSURES:** **CTR:** is a consultant for AbbVie, Eli Lilly, Johnson & Johnson, Novartis, and UCB; receives grant/research support from Johnson & Johnson, Novartis, and UCB. **PR:** is a consultant for AbbVie, Amgen, Bristol Myers Squibb, Celgene, Eli Lilly, Johnson & Johnson, Merck, Novartis, Pfizer, and UCB; receives grant/research support from Johnson & Johnson and Novartis; receives meeting attendance/travel support from Johnson & Johnson. **LCC:** is a consultant for AbbVie, Amgen, Bristol Myers Squibb, Celgene, Eli Lilly, Galapagos, Gilead, Johnson & Johnson, Moonlake, Novartis, Pfizer, and UCB; receives grants/research support from AbbVie, Amgen, Celgene, Eli Lilly, Johnson & Johnson, Novartis, Pfizer, and UCB; receives manuscript support from the National Institute for Health Research (NIHR) Oxford Biomedical Research Centre (BRC); is a paid speaker for AbbVie, Amgen, Biogen, Celgene, Eli Lilly, Galapagos, Gilead, GlaxoSmithKline, Johnson & Johnson, Medac, Novartis, Pfizer, and UCB. **APK, SDC, EA, KL:** are employees of Johnson & Johnson; and may own stock or stock options in Johnson & Johnson. **YJ:** is an employee of Cytel providing statistical support (funded by Johnson & Johnson). **AK:** is a consultant for AbbVie, Amgen, Bristol Myers Squibb, Eli Lilly, Johnson & Johnson, Moonlake, Novartis, Pfizer, and UCB. **PJM:** is a consultant for AbbVie, Amgen, Bristol Myers Squibb, Centron, Cullinan, Eli Lilly, Immagine, Johnson & Johnson, Merck, Moonlake, Novartis, Pfizer, Spyre, SUN Pharma, Takeda, and UCB; receives grant/research support from AbbVie, Amgen, Bristol Myers Squibb, Eli Lilly, Johnson & Johnson, Moonlake, Novartis, Sana, Takeda, and UCB; is a paid speaker for AbbVie, Amgen, Eli Lilly, Johnson & Johnson, Novartis, and UCB. **PREVIOUSLY PRESENTED AT:** EULAR 2021, June 3–6, 2026; London, England.