

# Icotrokinra, a Targeted Oral Peptide, in Participants With Moderate-to-Severe Plaque Psoriasis and Psoriatic Arthritis: Results From a Pooled Analysis of the Phase 3 ICONIC-LEAD, ICONIC-ADVANCE 1, and ICONIC-ADVANCE 2 Trials

Iain B. McInnes,<sup>1</sup> Linda Stein Gold,<sup>2</sup> Robert Bissonnette,<sup>3</sup> Mark G. Lebwohl,<sup>4</sup> Ofelia Reyes-Servin,<sup>5</sup> Joseph Cafone,<sup>6</sup> Ya-Wen Yang,<sup>6</sup> Soumya D. Chakravarty,<sup>6,7</sup> Charles Iaconangelo,<sup>8</sup> Shu Li,<sup>9</sup> Tasneem Shagrani,<sup>9</sup> Karissa Lozanski,<sup>9</sup> April W. Armstrong,<sup>9</sup> Joseph F. Merola<sup>10</sup>  
<sup>1</sup>College of Medical Veterinary and Life Sciences, University of Glasgow, Glasgow, UK; <sup>2</sup>Henry Ford Health System, West Bloomfield, MI, USA; <sup>3</sup>Innovaderm Research, Montréal, QC, Canada; <sup>4</sup>Department of Dermatology, Icahn School of Medicine at Mount Sinai, New York, NY, USA; <sup>5</sup>Johnson & Johnson, Spring House, PA, USA; <sup>6</sup>Johnson & Johnson, Horsham, PA, USA; <sup>7</sup>Drexel University College of Medicine, Philadelphia, PA, USA; <sup>8</sup>Johnson & Johnson, San Francisco, CA, USA; <sup>9</sup>Department of Dermatology, University of California Los Angeles, Los Angeles, CA, USA; <sup>10</sup>Department of Dermatology and Department of Medicine, Division of Rheumatology, UT Southwestern Medical Center and O'Donnell School of Public Health, Dallas, TX, USA.

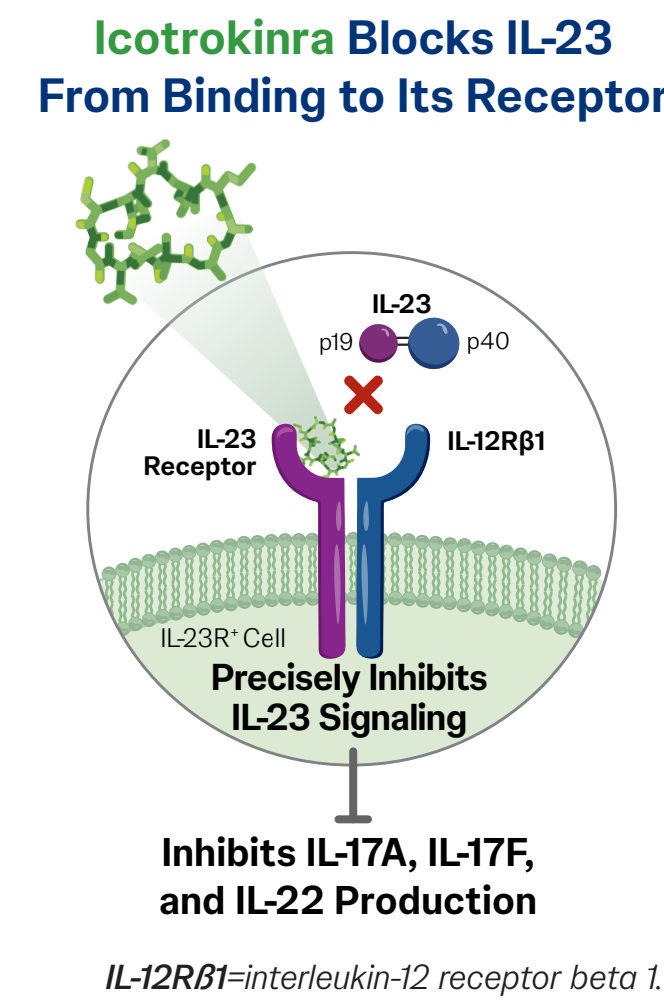


Scan the QR code. The QR code is intended to provide scientific information for individual reference, and the information should not be altered or reproduced in any way.

## Background

**Icotrokinra (ICO), the first and only targeted oral peptide:**

- Approved for the treatment of moderate-to-severe plaque psoriasis (PsO) in adults and pediatric patients (≥12 years, ≥40 kg) who are candidates for systemic therapy or phototherapy<sup>1</sup>
- Precisely blocks the interleukin (IL)-23 receptor and inhibits IL-23 pathway signaling<sup>2</sup>
- Currently under investigation for the treatment of psoriatic arthritis (PsA) in the parallel ICONIC-PsA 1 & 2 studies<sup>3-5</sup>



## Pooled ICONIC-LEAD, -ADVANCE 1, & -ADVANCE 2: ICO vs PBO Through W16

**Key Inclusion Criteria**

- ≥12 years (ICONIC-LEAD)
- ≥18 years (ICONIC-ADVANCE 1 & 2)
- Plaque PsO for ≥26 weeks
- BSA ≥10%, PASI score ≥12, and IGA score ≥3
- Candidate for phototherapy or systemic therapy for plaque PsO

**Assessments in Pts With PsO+PsA**

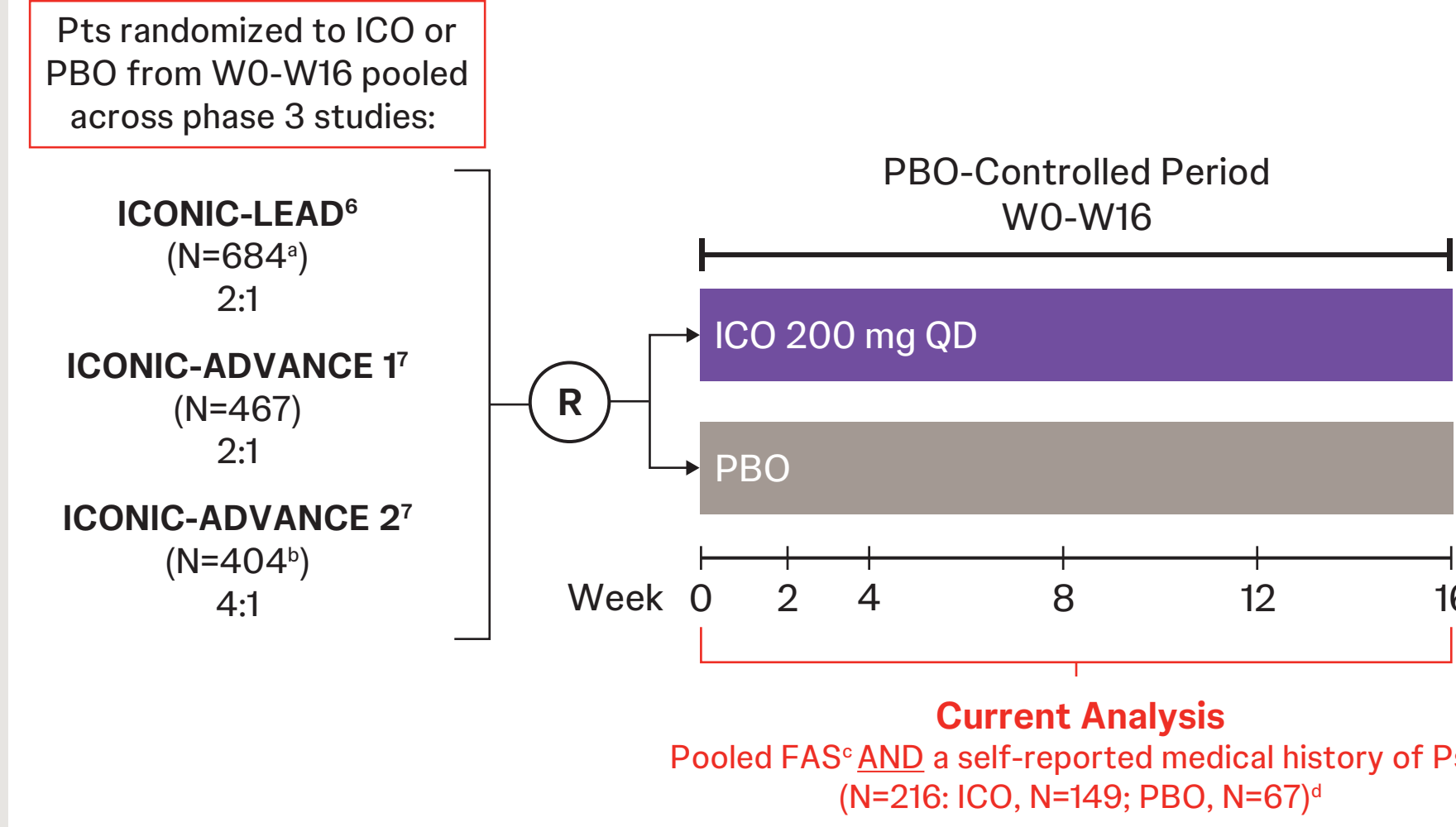
**PsA-Specific PROs at W8 & W16:**

- PtGA of PsA disease activity (VAS)
- Patient's Assessment of PsA Pain (VAS)

**High-Impact Site PsO at W16:**

- Nail PsO (mNAPSI and f-PGA)
- Scalp PsO (ss-IGA)

**AEs Through W16**



## Outcomes & Analyses

**PsA-Specific PROs at W8 & W16:**

- Least squares mean (LSM) change from baseline in PtGA of PsA disease activity and in PsA Patient Pain<sup>a,c</sup>
- ≥50% improvement from baseline in PtGA of PsA disease activity and in PsA Patient Pain<sup>a,c</sup>

**High-Impact Site PsO at W16:**

- LSM percent change from baseline in mNAPSI (among pts with a baseline mNAPSI score >0)<sup>c</sup>
- f-PGA 0/1 and 0 (among pts with a baseline f-PGA score ≥2)<sup>d</sup>
- ss-IGA 0/1 and 0 (among pts with a baseline ss-IGA score ≥2)<sup>d</sup>

**AEs Through W16:**

- Safety assessments for pooled ICO and PBO groups

ss-IGA 0/1 reflects score 0/1 and ≥2-grade improvement from baseline. <sup>a</sup>No improvement from baseline. <sup>b</sup>Nonresponder imputation assigned after pts discontinued study drug due to a lack of efficacy or an AE of worsening PsO, or initiated prohibited medication that could impact PsO. Observed data were used for pts who discontinued study drug for other reasons. The remaining missing data were not imputed and were accounted for through the MMRM model. <sup>c</sup>After accounting for the intercurrent events, pts with missing data were considered nonresponders. <sup>d</sup>The ≥50% improvement from baseline in PtGA of PsA disease activity and Patient Pain represent components of American College of Rheumatology 50% (ACR50) response criteria, a stringent, clinically relevant measure of improvement in PsA. <sup>e</sup>MMRM=mixed-effect model for repeated measures.

## Objective

Evaluate PsA- and PsO-relevant outcomes and adverse events (AEs) through Week (W) 16 in a pooled cohort of participants (pts) with moderate-to-severe PsO and a self-reported medical history of PsA (PsO+PsA)

## Results

### Baseline characteristics of pts with PsO+PsA reflected substantial skin PsO and moderate PsA disease activity/pain

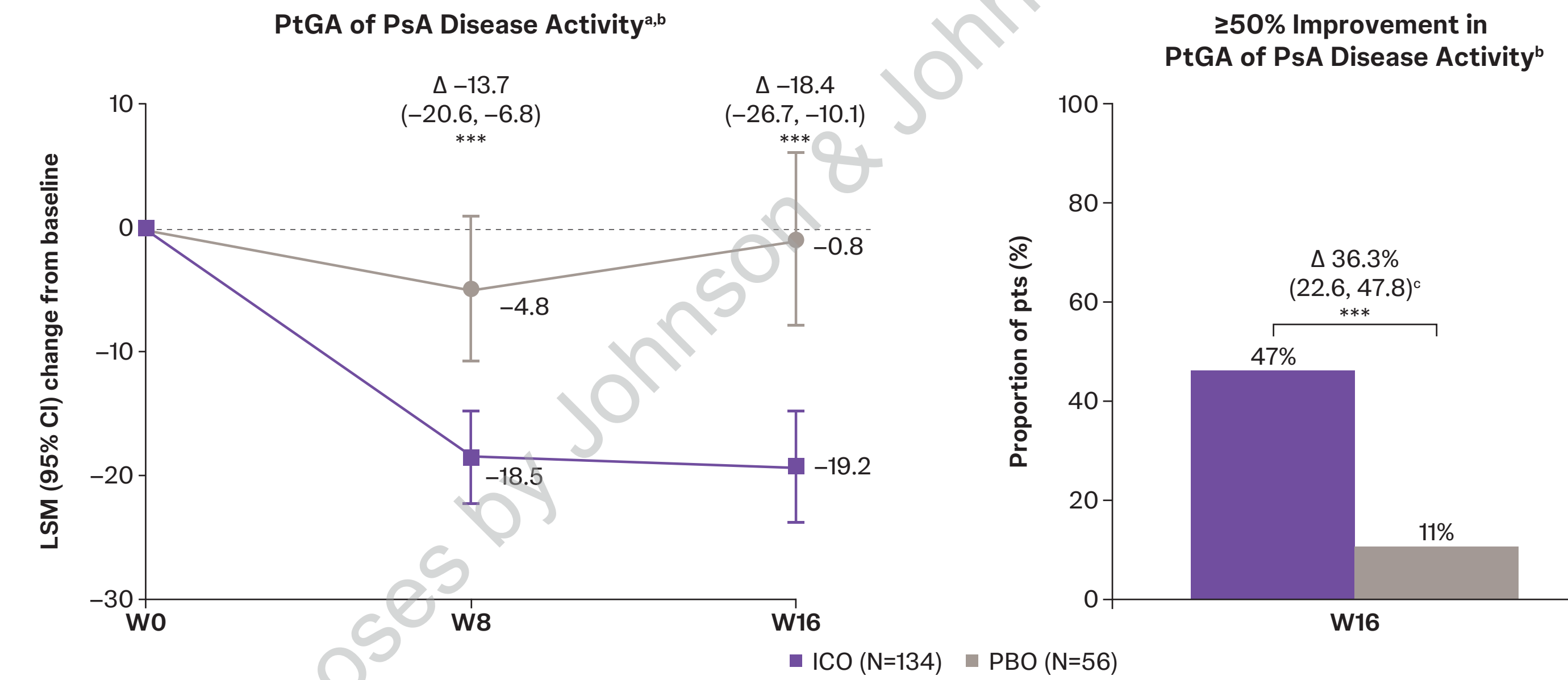
Characteristics of pts with PsO+PsA were generally consistent with those of the overall study populations

Baseline Characteristics	ICO (N=149)	PBO (N=67)
<b>Demographics</b>		
Age, yrs	49.6 (12.8)	49.1 (13.0)
Female	36%	45%
Race, Asian / Black / White	17% / 3% / 77%	13% / 3% / 84%
BMI, kg/m <sup>2</sup>	31.3 (7.5)	30.4 (7.6)
<b>PsA Characteristics</b>		
PtGA of PsA disease activity <sup>a</sup> (0-100)	48.0 (27.0)	50.1 (27.1)
PsA Patient Pain <sup>a</sup> (0-100)	49.3 (27.6)	53.4 (28.7)
<b>PsO Characteristics</b>		
PsO disease duration, yrs	19.1 (12.0)	20.4 (13.8)
% of BSA with PsO	24.8 (14.3)	26.0 (15.0)
IGA score Moderate (3) / Severe (4)	83% / 17%	70% / 30%
PASI (0-72)	19.4 (6.5)	20.6 (8.2)
<b>High-Impact Site PsO Characteristics</b>		
mNAPSI score <sup>b</sup> (0-130)	21.0 (18.6)	21.5 (19.5)
f-PGA score <sup>c</sup> Mild (2) / Moderate (3) / Severe (4)	24% / 18% / 3%	13% / 18% / 1%
ss-IGA score <sup>d</sup> Mild (2) / Moderate (3) / Severe (4)	10% / 61% / 16%	13% / 42% / 30%

Data shown are mean (SD), unless otherwise noted. <sup>a</sup>ICO N=136/PBO N=67. <sup>b</sup>Among pts with a baseline f-PGA score <0. <sup>c</sup>ICO N=84/PBO N=33. <sup>d</sup>ICO N=148/PBO N=67. BMI=body mass index, SD=standard deviation.

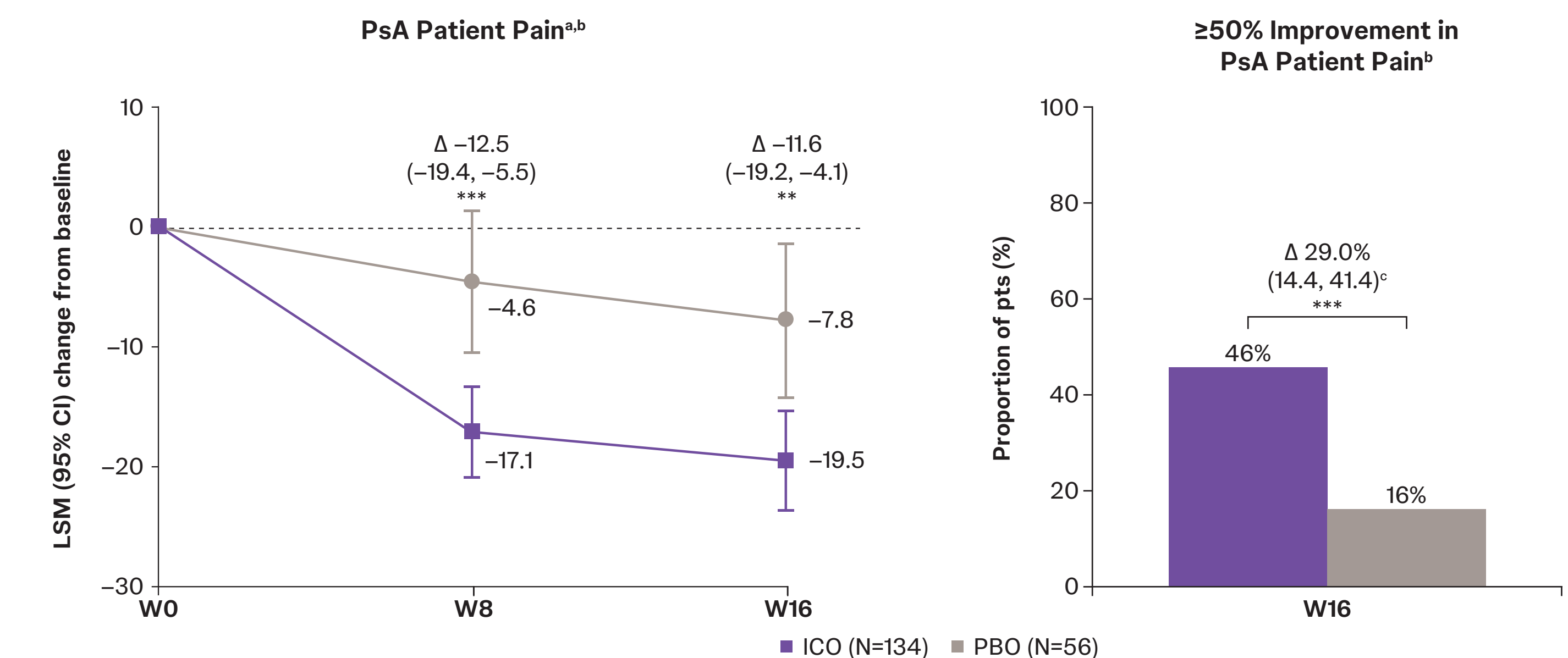
### PtGA: ICO-treated pts reported greater mean improvement in PsA disease activity vs PBO; nearly one-half reported ≥50% improvement at W16

Separation between ICO and PBO in PsA disease activity was evident by W8 (at the first follow-up for PsA disease activity)

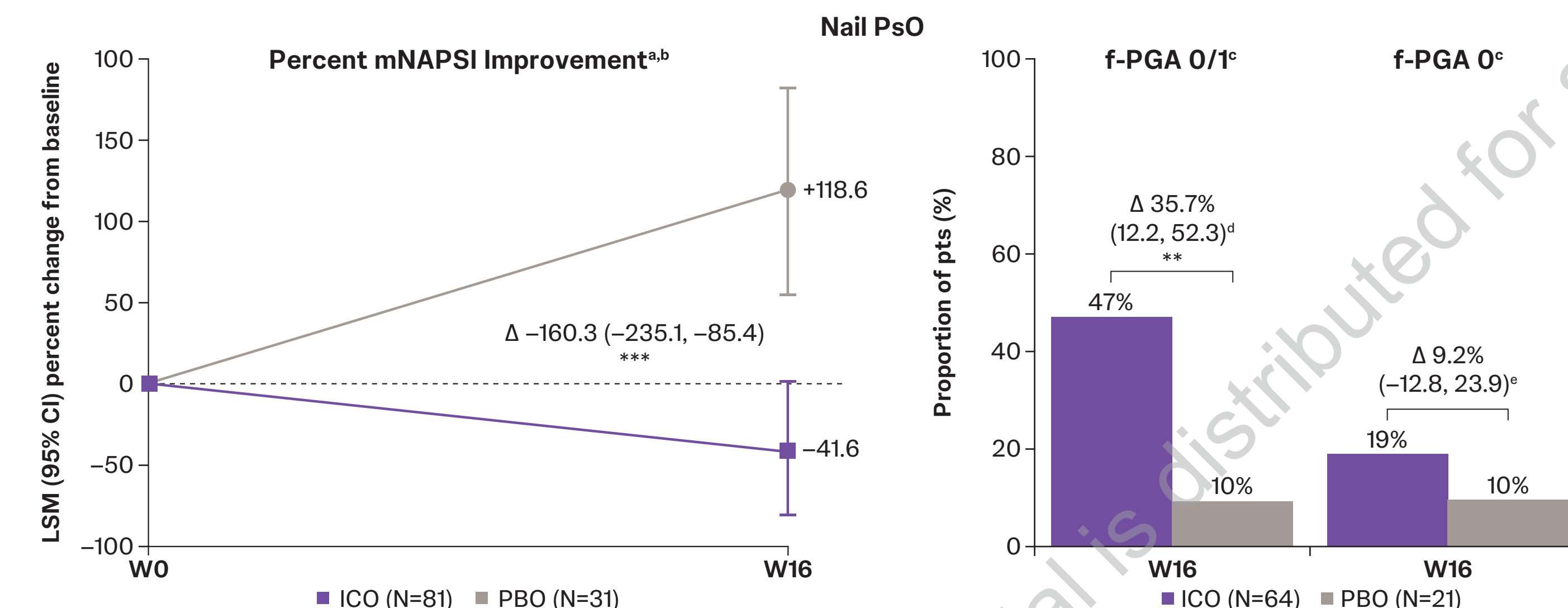


### Patient Pain: ICO-treated pts reported greater mean improvement in PsA pain vs PBO, with nearly one-half reporting ≥50% improvement at W16

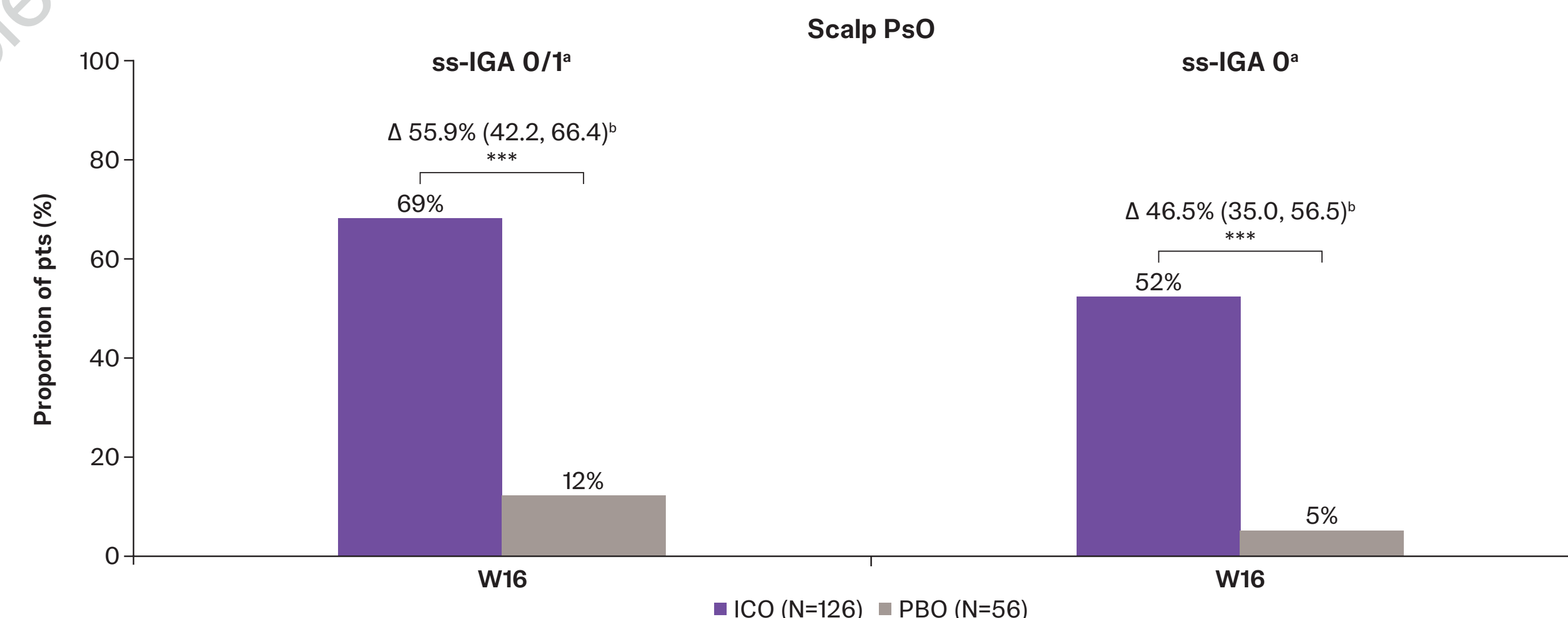
Separation between ICO and PBO in PsA Patient Pain was evident by W8 (at the first follow-up for PsA Patient Pain)



### Nail PsO: ICO-treated pts had a 42% mean percent mNAPSI improvement; nearly 50% achieved clear/almost clear nail PsO, at W16



### Scalp PsO: ~70% of ICO-treated pts achieved clear/almost clear scalp PsO, and >50% achieved completely clear scalp PsO, at W16



### ICO AE profile: Similar to PBO through W16 in pts with PsO+PsA

Pooled Safety in Pts With PsO+PsA Through W16 <sup>a</sup>	ICO (N=148)	PBO (N=67)
Mean weeks of follow-up	15.8	15.3
Any AE	73 (49%)	34 (51%)
Most common AE (≥5%)		
Headache	10 (7%)	2 (3%)
AE leading to discontinuation	3 (2%)	5 (7%)
Infection	28 (19%)	17 (25%)
Most common infection (≥5%)		
Upper respiratory tract infection	7 (5%)	2 (3%)
Gastrointestinal AE	12 (8%)	4 (6%)
Malignancy	2 (1%)	1 (1%)

Data shown are n (%), unless otherwise noted. Safety analysis set includes all randomized and treated pts. <sup>a</sup>Among pts in the pooled FAS and with a self-reported medical history of PsA.

**PRESENTED AT:** European Alliance of Associations for Rheumatology (EULAR), June 3-6, 2026, London, England. **REFERENCES:** 1. Janssen Biotech, Inc. ICOTYDE™ (icotrokinra) tablets, for oral use. Revised 3/2026 (prescribing information). <https://www.injlabels.com/package-insert/product-monograph/prescribing-information/ICOTYDE-pi.pdf>. 2. Fourie AM. *Sci Rep*. 2024;14:17515. 3. Merola JF. Poster presented at: European Alliance of Associations for Rheumatology (EULAR), June 11-14, 2025; Barcelona, Spain. 4. <https://clinicaltrials.gov/study/NCT06878404>. 5. <https://clinicaltrials.gov/study/NCT06807424>. 6. Bissonnette R. *N Engl J Med*. 2025;393:1784-95. 7. Stein Gold L. *Lancet*. 2025;406:1363-74. 8. Felson DT. *Arthritis Rheum*. 1995;38:727-35. 9. Chung CP. *Ann Rheum Dis*. 2006;65:1602-7. 10. Gooderham M. *NEJM Evid*. 2025;4:EVID02500155. **ACKNOWLEDGMENTS:** Medical writing support was provided by Kiley Margolis, PharmD, of Lumanity Communications Inc., under the direction of the authors in accordance with Good Publication Practice guidelines (DeTora LM. *Ann Intern Med*. 2022;175:1298-1304) and funded by Johnson & Johnson. This presentation was sponsored by Johnson & Johnson. **DISCLOSURES:** IBM: Served as a consultant for AbbVie, Amgen, AstraZeneca, Bristol Myers Squibb, Cabaletta Bio, Compugen, Dextera Biosciences, Eli Lilly, Gilead, GSK, Johnson & Johnson, MoonLake, Novartis, Pfizer, Roche, Sanofi, and UCB, received grant/research support from Amgen, AstraZeneca, Bristol Myers Squibb, Eli Lilly, GSK, Johnson & Johnson, Novartis, Roche, and UCB. Is a share-option holder of Cabaletta Bio. **Causeway Therapeutics,** Compugen, Dextera Biosciences, and Montal Therapeutics; and is a trustee of Arthritis UK. **LSG:** Served as an investigator, advisor, and/or speaker for AbbVie, Amgen, Bristol Myers Squibb, Eli Lilly, Galderma, Johnson & Johnson, Leo Pharma, Pfizer, Regeneron, Sanofi, and Takeda. **RB:** Served as an advisory board member, consultant, speaker, and/or investigator for and/or grants from AbbVie, Amgen, AnaptysBio, Arcutis, BMS/Celgene, Dermavant, Eli Lilly, Johnson & Johnson, Leo Pharma, Nimbus, Onkva, Takeda, UCB, Vertex Biosciences, Vynia, Xenovir, Zila Labs, and Zura Bio and is an employee and shareholder of Innovaderm Research. **MGL:** Employee of Mount Sinai and receives research funds from AbbVie, Arcutis, Avotris Therapeutics, Boehringer Ingelheim, Bristol Myers Squibb, Celis Therapeutics, Cytos, Dermavant Sciences, Eli Lilly, Incyte, Inzyme, Johnson & Johnson, Orkva, Pfizer, Sanofi-Regeneron, and UCB, and is a consultant for AbbVie, Added Health, Akum, Almirall, Altavio Inc., Alumis, Amgen, Apoclea, Arcutis, AstraZeneca, Atomwise, Avotris Therapeutics, Boehringer Ingelheim, Bristol Myers Squibb, Castle Biosciences, Celltrion, CorEvitas, Dermavant Sciences, Dermasquared, Edessa Biotech, Eli Lilly, Evonimune, Facilitation of International Dermatology Education, Fortis Biosciences, Galderma, Genentech, Incyte, Johnson & Johnson, Leo Pharma, Mayne Pharmaceuticals, Meiji Seika Pharma, Mindara, Mirum Pharmaceuticals, MoonLake, Novartis, Orkva, Pfizer, Sanofi-Regeneron, Revolve, Seenergy, Strata, Sun Pharma, Takeda, Travi, and Verrica. **OR-S, JC, Y-WY, SDC, CI, SL, TS,** and **KL:** Employees of Johnson & Johnson; may own stock/stock options in Johnson & Johnson. **AWA:** Served as a speaker, consultant, and/or investigator for AbbVie, Amgen, Arcutis, Bristol Myers Squibb, Dermavant Sciences, Eli Lilly and Company, Galderma, Incyte, Johnson & Johnson, Leo Pharma, Novartis, Pfizer, Regeneron, Sanofi, Takeda, and UCB. **JFM:** Served as a consultant and/or investigator for AbbVie, Amgen, AstraZeneca, Biogen, Boehringer Ingelheim, Bristol Myers Squibb, Dermavant, Eli Lilly, Galderma, Johnson & Johnson, MoonLake, Novartis, Orkva, Pfizer, Regeneron, Sanofi, Sun Pharma, and UCB.