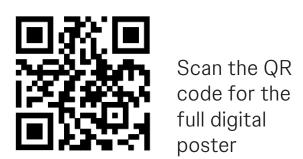
Phase 3 Results From an Innovative Trial Design of Treating Plaque Psoriasis Involving Difficult-to-Treat, High-Impact Sites With Icotrokinra, a Targeted Oral Peptide That Selectively Inhibits the IL-23–Receptor



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Background



Icotrokinra for plaque psoriasis

- Patients with moderate-to-severe plaque psoriasis (PsO) are generally limited to injectable therapies to achieve high-level efficacy with a favorable safety profile
- Icotrokinra (ICO) is a first-in-class targeted oral peptide that:
- Selectively binds the interleukin (IL)-23 receptor and inhibits IL-23 pathway signaling¹
- Demonstrated significant skin clearance and no safety signals through 1 year in phase 2 PsO studies^{2,3} and through Week (W)24 in adults & adolescents with moderate-to-severe plaque PsO in the phase 3 ICONIC-LEAD study⁴

Objectives



The pivotal, phase 3 ICONIC-TOTAL study evaluated ICO in adults & adolescents with plaque PsO involving difficult-to-treat, high-impact sites, by employing a novel basket-like design; key clinical/patient-reported outcomes (PROs) and safety-related findings are reported through W16

Icotrokinra Blocks IL-23 From Binding to its Receptor **Targeted Oral** (IL-23Ri) Inhibits IL-17A, IL-17F, IL-22, and IFNγ Production

IFN=interferon; **IL-12Rβ1**=interleukin-12 receptor beta 1,

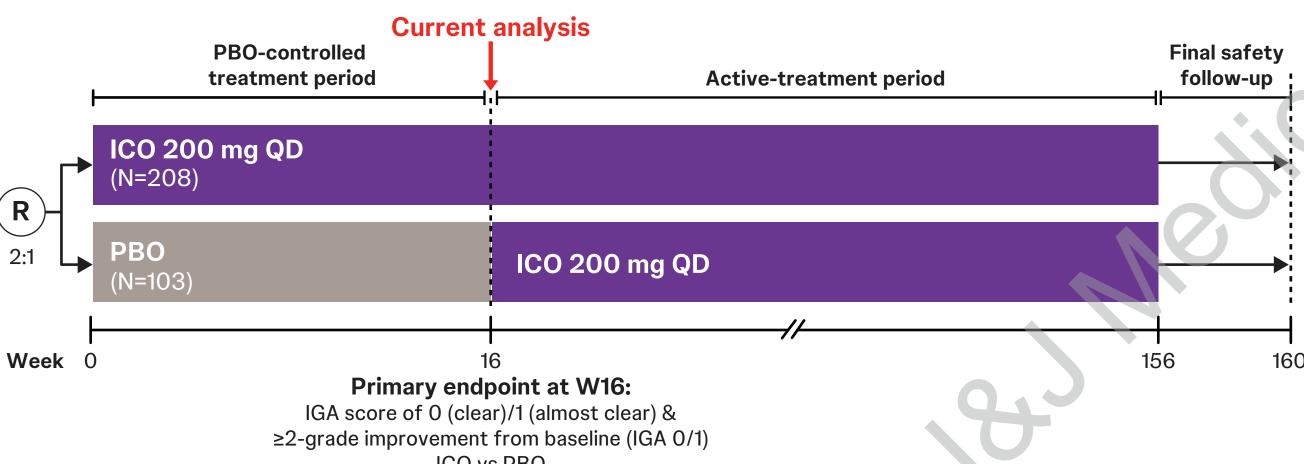
ICONIC-TOTAL: a novel basket-like design

Adults & adolescents with plaque PsO involving highimpact sites evaluated using a basket-like study design (N=311)



Key inclusion criteria • ≥12 years

- Plague PsO for ≥26 weeks
- Body surface area (BSA) ≥1% and Investigator's
- Global Assessment (IGA) score ≥2
- At least moderate high-impact PsO involving ≥1 site: (R) Scalp PsO: scalp-specific IGA (ss-IGA) score ≥3
- **Genital PsO:** static Physician's Global Assessment of Genitalia (sPGA-G) score ≥3
- Hand/foot PsO: Physician's Global Assessment
- Week of hands and feet (hf-PGA) score ≥3 Candidate for phototherapy or systemic treatment for plaque PsO and failed ≥1 topical



missing data. **AE**=adverse event; **PBO**=placebo; **QD**=once dailv: **R**=randomization

Key Takeaways



In ICONIC-TOTAL, a pivotal phase 3 study evaluating ICO in a diverse cohort of pts with plaque PsO and difficult-to-treat, high-impact site involvement:

- ✓ ICO demonstrated significantly higher rates of clear/almost clear skin, including in the scalp and genital areas, than PBO at W16
- ✓ ICO-treated pts achieved significantly higher PRO response rates, including meaningful improvements in the scalp and genital areas, vs PBO at W16
- Rates of AEs were generally similar in the ICO and PBO groups; no safety signal was identified through W16



ICONIC-TOTAL results complement those of the ongoing phase 3 ICONIC-LEAD study evaluating ICO in adults & adolescents with moderate-to-severe plaque PsO⁴

Results

Baseline characteristics were generally similar between groups

Overall, 5% of pts (ICO: 4%; PBO: 9%) discontinued treatment through W16^d

Baseline Chara	acteristics	ICO 200 mg QD (N=208)	РВО (N=103)	
Demographics				
0.0	Age, years	45.3 (14.6)	43.5 (13.8)	
	Male	66%	61%	
·Π	White	77%	80%	
	BMI, kg/m ²	29.0 (6.6) ^a	29.4 (8.1) ^a	
Disease Characteristics				
	PsO disease duration, years	16.8 (13.3)	15.2 (10.5)	
	% BSA with PsO	16.6 (13.5)	14.8 (11.7)	
0	<10%	36%	37%	
	≥10%	64%	63%	
) -	GA score			
	Moderate (3)	74%	71%	
	Severe (4)	22%	21%	
	PASI (0-72)	14.6 (7.6)	14.0 (7.0)	
Prior Treatment for PsO				
Ħ	Phototherapy (PUVA and UVB)	43%	31%	
	Systemic therapy ^ы	73%	73%	
	Biologic therapy ^c	34%	31%	

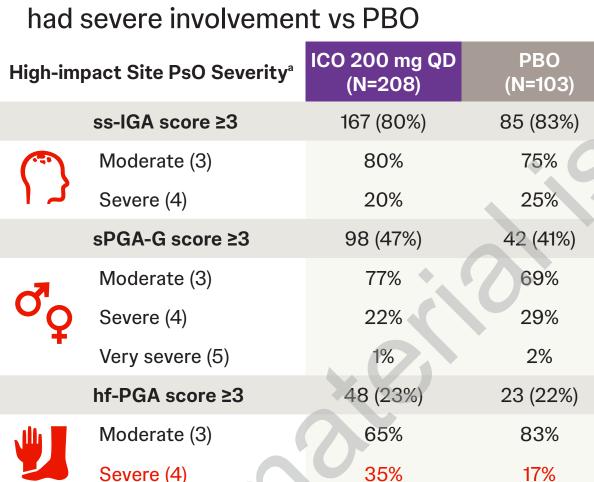
Data shown are mean (SD), unless otherwise indicated, °ICO: N=203; PBO: N=101, bConventional nonbiologic systemics, novel nonbiologic systemics, 1,25-vitamin D3 and analogues, phototherapy, and biologics. °Adalimumab, alefacept, briakinumab, brodalumab, certolizumab pegol, efalizumab, etanercept, guselkumab, infliximab, ixekizumab, natalizumab, risankizumab, secukinumab, tildrakizumab, and ustekinumab. ^aAmong the pts who discontinued treatment through W16 (ICO: n=8 [4%]; PBO: n=9 [9%]), the most common reasons for discontinuation were lack of efficacy and AEs in the ICO group (n=3 [1%] for each) and lack of efficacy in the PBO group (n=5 [5%]). BMI=body mass index; PASI=Psoriasis Area and Severity Index; PUVA=psoraler

Scalp and genital PsO severity at baseline was generally similar between groups

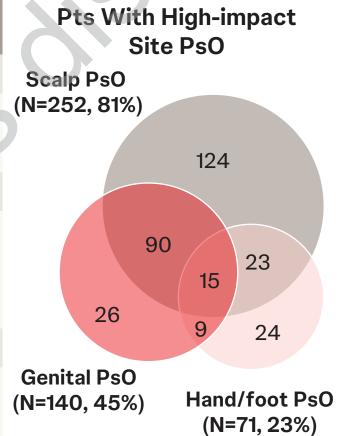
Data shown are n (%), unless otherwise indicated. PsO involving high-impact sites was not mutually exclusive.

 Among the limited subset of pts with hf-PGA score ≥3, a higher proportion in the ICO group had severe involvement vs PBO

plus ultraviolet A; **SD**=standard deviation; **UVB**=ultraviolet B.

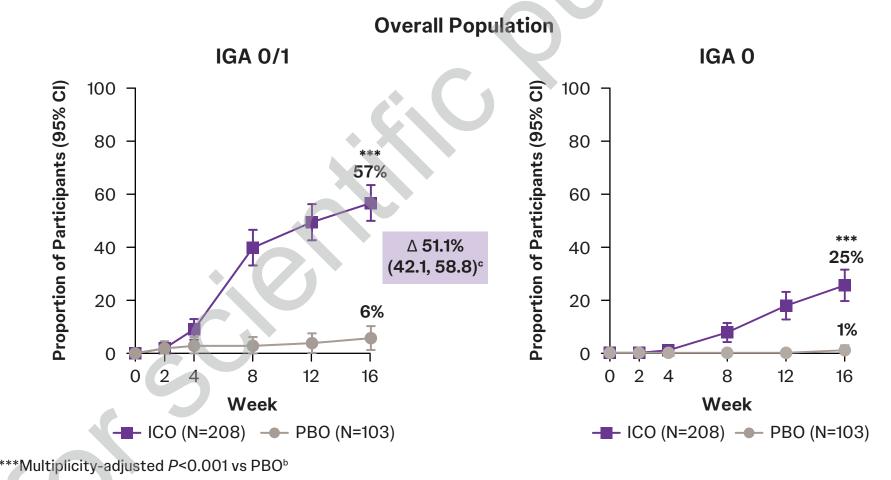


44% of pts had >1 high-impact site involved



ICO demonstrated significantly higher rates of IGA 0/1 vs PBO at W16 (primary endpoint)

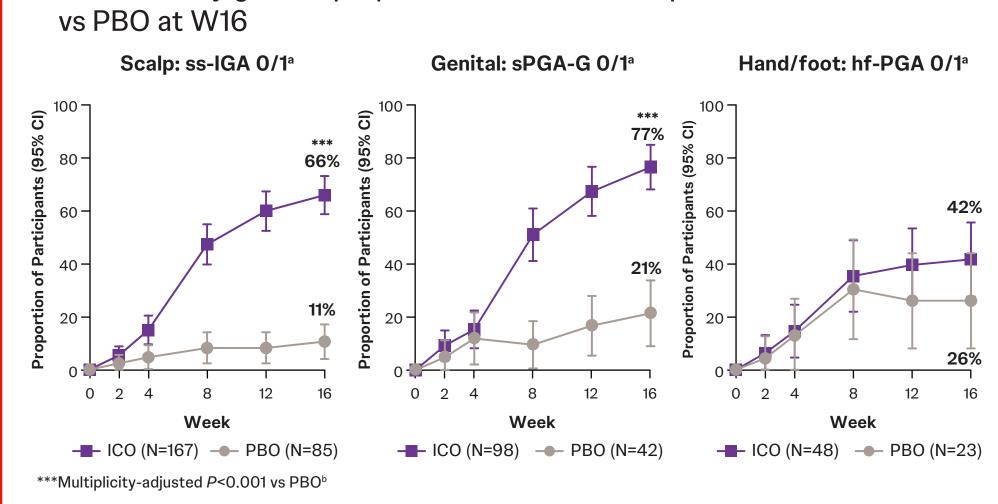
Significantly higher proportions of ICO-treated pts reported meaningful improvement in itch (CMI PSSD Itch,^{a,b} 60% vs 14%; P<0.001) and symptom resolution at W16 (PSSD Symptom $0^{a,b}$ 16% vs 3%; P<0.01)



^aAmong pts with a baseline PSSD Itch score ≥4 or PSSD Symptom score >0. ^bP values were based on Cochran-Mantel-Haenszel chi-square test stratified by high-impact site involvement and BSA category, if applicable. Treatment difference and 95% CI (using Miettinen-Nurminen method) were calculated adjusting for high-impact site involvement and BSA category using Mantel-Haenszel weights. **CI**=confidence interval; **CMI**=clinically meaningful improvement (≥4-point improvement from baseline); **PSSD**=Psoriasis Symptom and Sign Diary.

ICO demonstrated significantly higher rates of clear/ almost clear scalp and genital PsO vs PBO

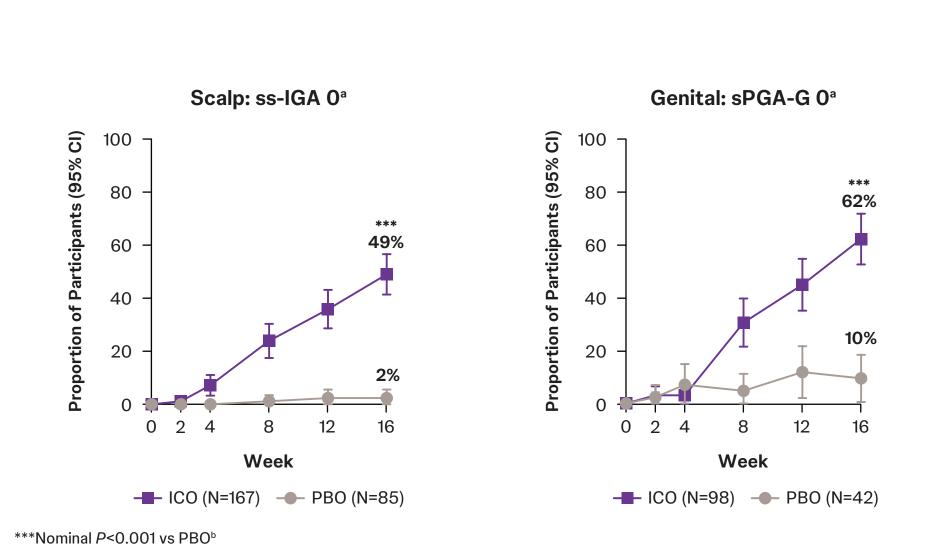
 A numerically greater proportion of ICO-treated pts achieved hf-PGA 0/1 vs PBO at W16



^aAmong pts with a baseline ss-IGA score, sPGA-G score, or hf-PGA score ≥3. ^bP values were based on Cochran-Mantel-Haenszel chi-square test stratified by geographic region and/or BSA category.

ICO demonstrated higher rates of completely clear scalp and genital PsO vs PBO

 A numerically greater proportion of ICO-treated pts achieved hf-PGA 0^a vs PBO at W16 (25% vs 13%)



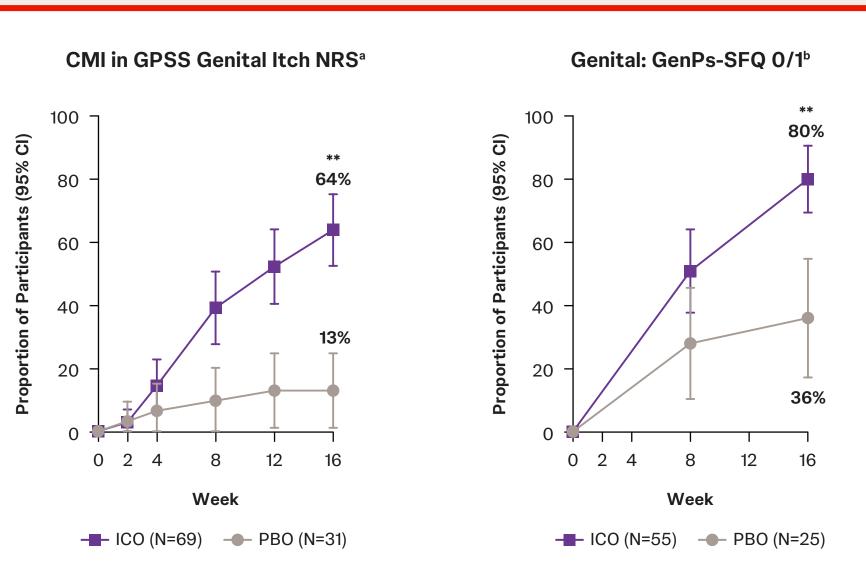
^aAmong pts with a baseline ss-IGA score, sPGA-G score, or hf-PGA score ≥3. ^bP values were based on Cochran-Mantel-Haenszel chi-square test stratified by geographic region and/or BSA category.

ICO demonstrated significantly higher rates of scalp clearance and meaningful improvement in scalp itch vs PBO

 ICO demonstrated early separation from PBO CMI in Scalp Itch NRS^b Scalp: PSSI 90^a Week ---- ICO (N=131) ---- PBO (N=58) -**■**- ICO (N=167) -**●**- PBO (N=85) **Multiplicity-adjusted P<0.01 vs PBO°

^aAmong pts with a baseline ss-IGA score ≥3. ^bAmong pts with a baseline Scalp Itch NRS score ≥4 and a ss-IGA score ≥3. °P values were based on Cochran-Mantel-Haenszel chi-square test stratified by geographic region and BSA category. **CMI**=clinically meaningful improvement (≥4-point improvement from baseline); **NRS**=numeric rating scale; **PSSI**=Psoriasis Scalp Severity Index; **PSSI 90**=reduction from baseline of \geq 90% in the PSSI score.

ICO significantly improved pt-reported genital PsO itch & impact of PsO on sexual activity vs PBO



Among pts with a baseline GPSS Genital Itch NRS score (Item 1) ≥ 4 and a sPGA-G score ≥ 3 . Among pts with a baseline GenPs-SFQ score (Item 2) ≥2 and a sPGA-G score ≥3. °P values were based on Cochran-Mantel-Haenszel chi-square test stratified by BSA category. **CMI**=clinically meaningful improvement (≥4-point improvement from baseline); **GenPs-SFQ**=Genital Psoriasis

Sexual Frequency Questionnaire; GPSS=Genital Psoriasis Symptoms Score.

**Multiplicity-adjusted P<0.01 vs PBO°

Adverse event rates were generally similar between groups through W16

	ICO 200 mg QD (N=208)	PBO (N=103)
Safety through W16		
Mean weeks of follow-up	16.0	15.7
Any AE	104 (50%)	43 (42%)
Most common AEs (≥5%)		
Nasopharyngitis	26 (12%)	11 (11%)
Upper respiratory tract infection	9 (4%)	5 (5%)
Headache	6 (3%)	6 (6%)
SAE ^a	1 (<1%)	2 (2%)
Infection	59 (28%)	22 (21%)
Serious infection	0	1 (1%)
AE leading to discontinuation ^b	4 (2%)	3 (3%)
Gastrointestinal AEs	15 (7%)	8 (8%)
Active TB	0	0
Malignancy ^c	1 (<1%)	0

in the ICO group. ^bAEs leading to discontinuation through W16 included COVID-19 pneumonia, psoriatic arthropathy, and psoriasis in the PBO group; and vision blurred, visual field defect, laryngitis fungal, malignant melanoma in situ, and headache in the ICO group. °Malignancy reported in the ICO group was malignant melanoma in situ in a pt with a recent personal history of melanoma

(in 2021). **COVID-19**=coronavirus disease 2019; **SAE**=serious adverse event; **TB**=tuberculosis.

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