

Maintenance of Response With Icotrokinra, a Targeted Oral Peptide, for the Treatment of Moderate-to-Severe Plaque Psoriasis: Randomized Treatment Withdrawal in Adults (Weeks 24–52) and Continuous Treatment in Adolescents (Through Week 52) From the Phase 3, ICONIC-LEAD Trial

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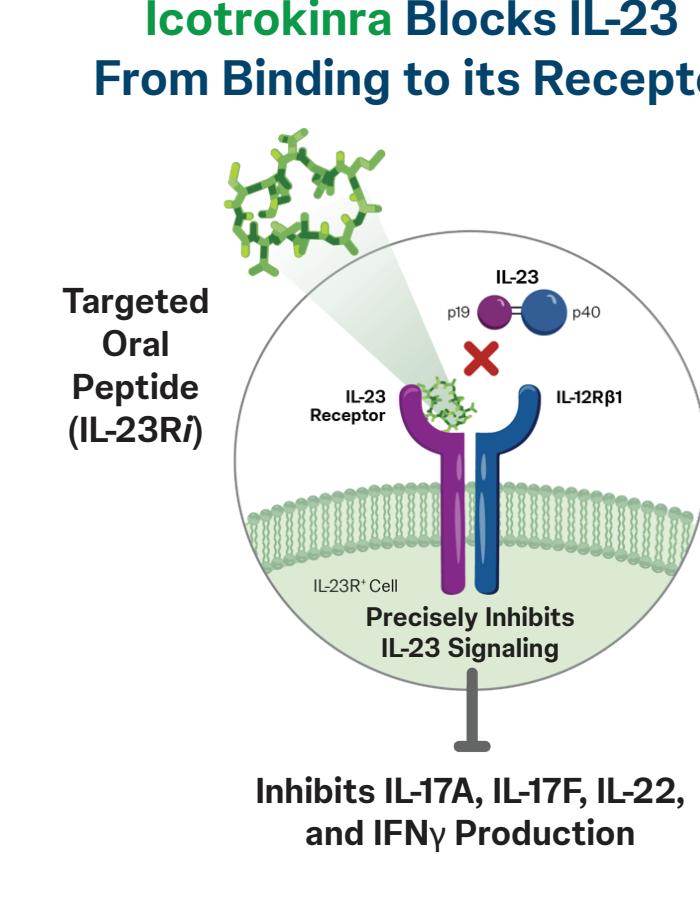
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Background

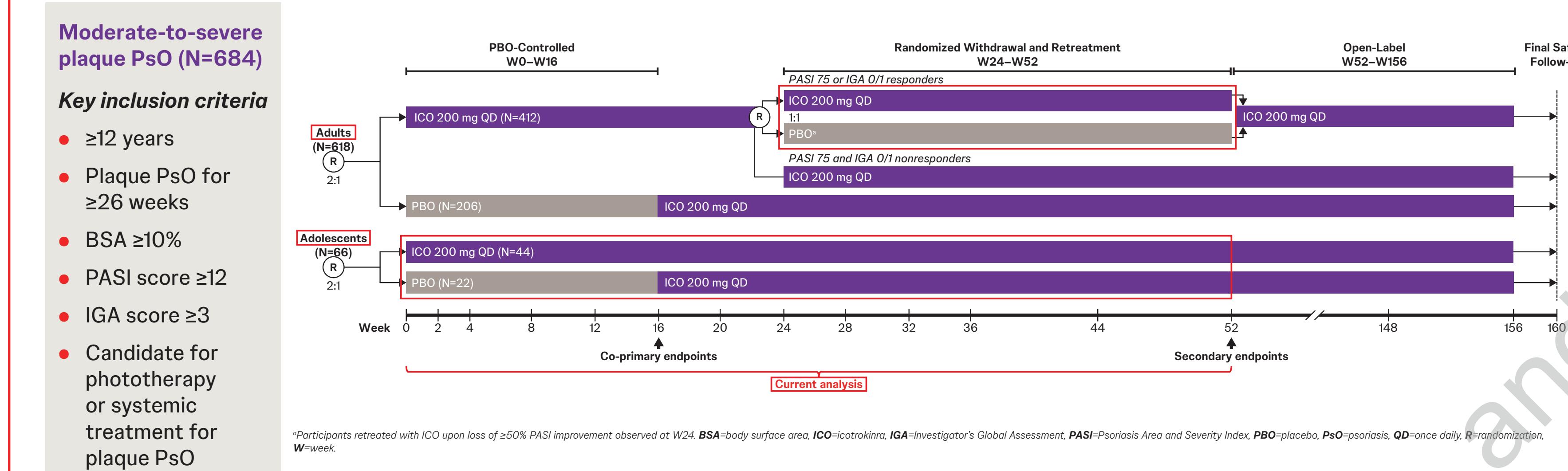
Patients with moderate-to-severe plaque psoriasis (PsO) are limited to injectable therapies to achieve high-level efficacy with a favorable safety profile

Icotrokinra (ICO), a first-in-class targeted oral peptide:

- Selectively binds the interleukin-23 receptor (IL-23R) and precisely inhibits IL-23 pathway signaling¹
- Demonstrated significantly higher rates of skin clearance vs placebo (PBO) at Week (W)16, with increasing response rates and no safety signal through W24 in adults & adolescents with moderate-to-severe plaque PsO in the phase 3 ICONIC-LEAD study²



ICONIC-LEAD – Study Design



Objective

Report maintenance of ICO clinical response during the randomized-withdrawal period in adults (ICO vs PBO from W24–52), longer-term ICO effects in adolescents (through W52), and safety through W52 of ICONIC-LEAD

Adult W24 ICO Responders^a: Psoriasis Area and Severity Index (PASI) & Investigator's Global Assessment (IGA) Responses From W24 Through W52

- Key Secondary Endpoints^b
 - Response rates at W52^c
 - Time to loss of response (LOR) through W52^c
 - PASI 75 among PASI 75 responders at W24
 - PASI 90 among PASI 90 responders at W24
- Other Secondary Endpoints
 - Response rates at W52^c
 - IGA 0/1 & ≥2-grade improvement from baseline among IGA 0/1 responders at W24
 - Time to LOR through W52^c
 - Loss of PASI 75 among PASI 75 responders at W24
 - Loss of PASI 90 among PASI 90 responders at W24
 - Time to loss of IGA 0/1 among IGA 0/1 responders at W24

^aAdults randomized to ICO at baseline who were PASI 75 or IGA 0/1 responders at W24. ^bMultiplicity-adjusted p-values for ICO vs PBO at through W52. ^cParticipants considered nonresponders or to have LOR: discontinued study drug due to a lack of efficacy or AE of worsening PsO, initiated a prohibited medication that could impact PsO, or met retreatment criterion for participants randomized to PBO at W24. For binary endpoints, nonresponder imputation was used for missing data (not imputed for LOR). AE=adverse event, ICO=icotrokinra, IGA=Investigator's Global Assessment, LOR=loss of response, PASI=Psoriasis Area and Severity Index, PBO=placebo, PsO=psoriasis, QD=once daily, R=Randomization, W=week.

Results

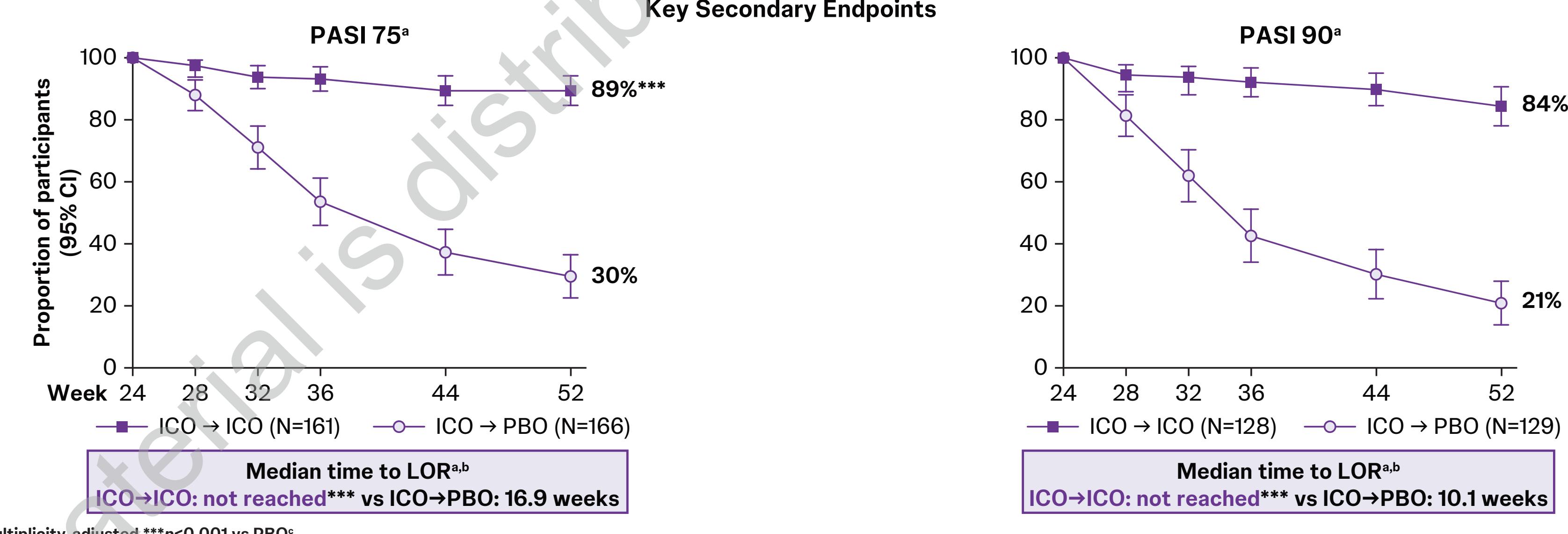
Baseline characteristics were generally comparable across re-randomized treatment groups

• *Among 412 adults randomized to ICO at baseline, 341 (83%) were recorded as PASI 75 or IGA 0/1 responders at W24

Baseline Characteristics: Adult W24 ICO Responders*	ICO → ICO (N=169)		ICO → PBO (N=172)	
	Demographics		Demographics	
Age, yrs	46.5 (14.4)		44.5 (14.4)	
Female	30%		38%	
Race, Asian / Black / White	23% / 1% / 74%		24% / 1% / 73%	
BMI, kg/m ²	29.0 (6.8)		29.7 (6.7)	
Disease Characteristics				
PsO disease duration, yrs	19.2 (14.1)		18.6 (13.9)	
% BSA with PsO	24.8 (14.0)		24.9 (14.7)	
IGA score				
Moderate (3)	74%		78%	
Severe (4)	26%		22%	
PASI (0–72)	19.6 (6.7)		19.2 (7.3)	
Prior PsO Treatments				
Phototherapy (PUVA or UVB)	31%		31%	
Systemic therapy ^b	76%		72%	
Biologic therapy ^b	35%		33%	

Data shown are mean (SD) unless otherwise noted. *Conventional nonbiologic systemic, novel nonbiologic systemic, 125-vitamin D3 and analogues, phototherapy, and biologics. ^aAdalimumab, alefacept, brodalumab, brodalumab, certolizumab pegol, efalizumab, etanercept, guselkumab, inliximab, interleukin-13, ixekizumab, notilizumab, risankumab, secukinumab, tilizumab, and ustekinumab. ^bBMI=body mass index, BSA=body surface area, ICO=icotrokinra, IGA=Investigator's Global Assessment, PASI=Psoriasis Area and Severity Index, PBO=placebo, PsO=psoriasis, PUVA=psoralen plus ultraviolet A, SD=standard deviation, UVB=ultraviolet B, W=week.

W24 ICO responders re-randomized to ICO demonstrated superior maintenance of PASI response vs PBO at W52



^aAmong W24 ICO PASI 75 and PASI 90 responders, respectively. ^bBased on life table method. ^{***}p<0.001 vs PBO^a



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Key Takeaways

In the pivotal phase 3 ICONIC-LEAD study evaluating the targeted oral peptide ICO through 1 year in adults & adolescents with moderate-to-severe plaque PsO:

Continuous ICO demonstrated superior maintenance of skin response among adult W24 ICO responders:

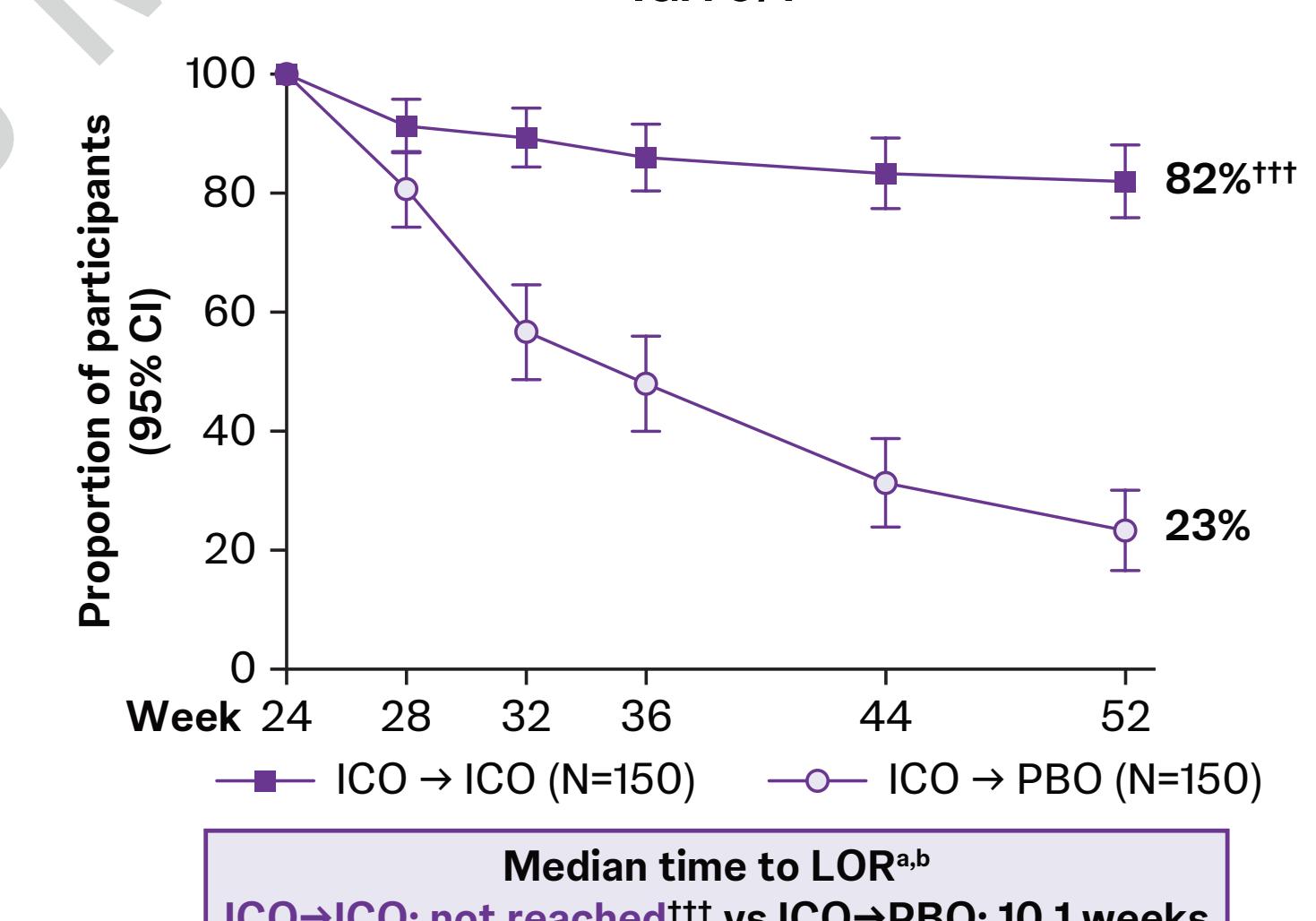
- ✓ 89% and 84% maintained PASI 75 and PASI 90, respectively, at W52
- ✓ LOR vs ICO withdrawal: Not reached vs 17 weeks (PASI 75) or 10 weeks (PASI 90)

Continuous ICO demonstrated robust and durable skin clearance rates in adolescents through W52:

- ✓ PASI 90: 86%; PASI 75: 95%; IGA 0/1: 82%

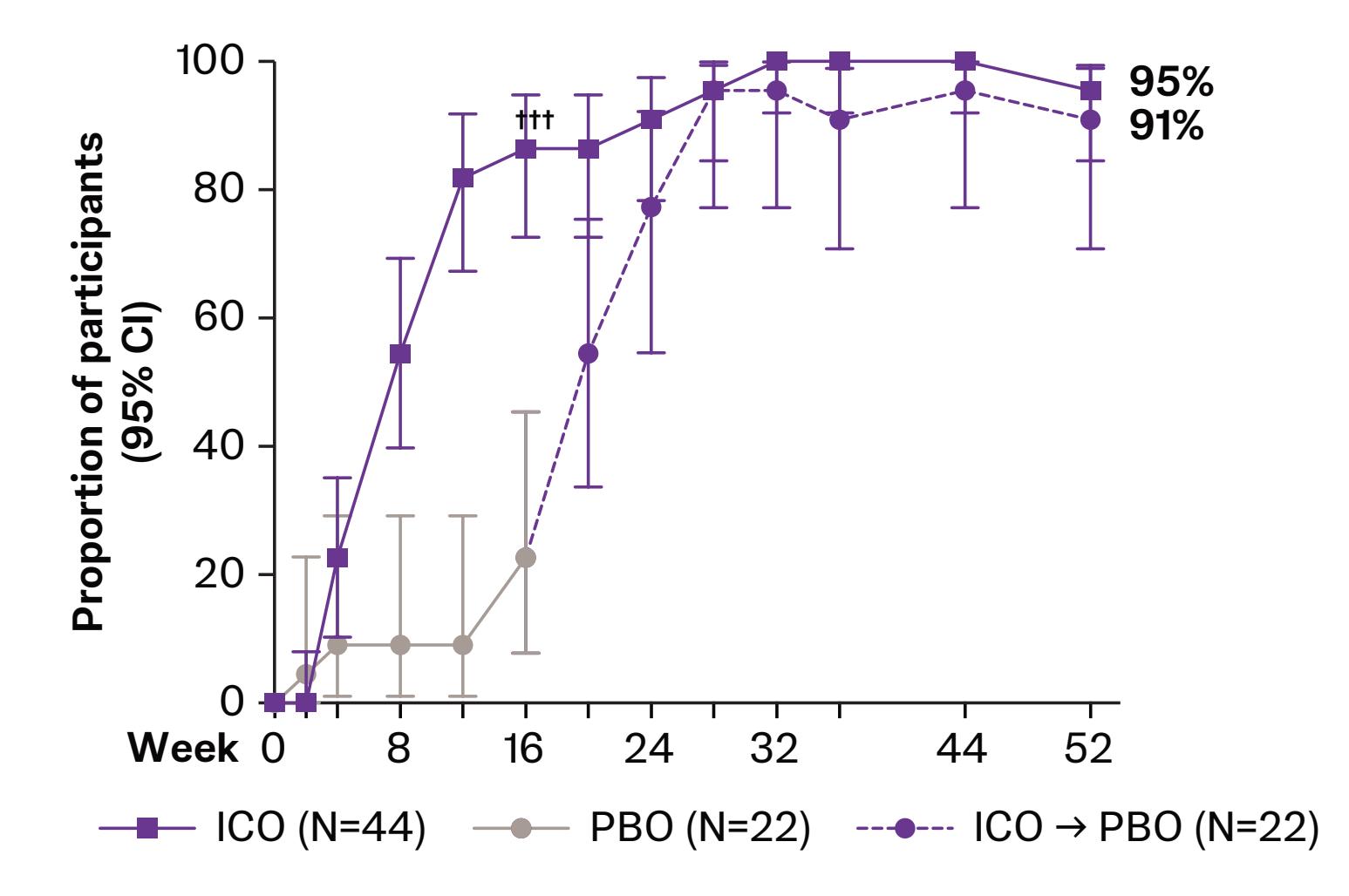
ICO AE profile through W52 was consistent with that observed through W16; no ICO safety signal was identified through W52

W24 ICO responders re-randomized to ICO demonstrated greater maintenance of IGA 0/1 response vs PBO at W52^a



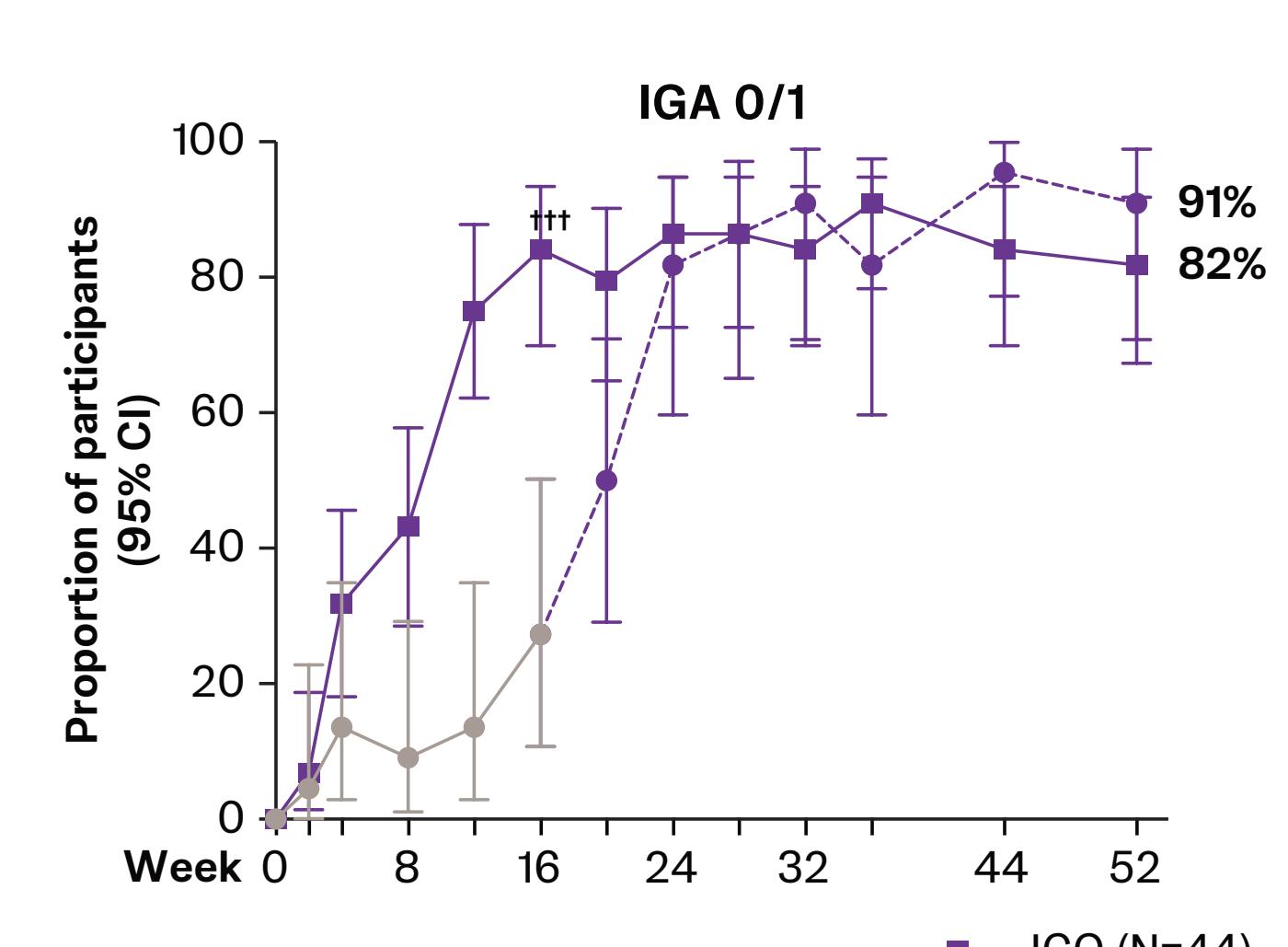
^aAmong W24 ICO IGA 0/1 responders. ^bBased on life table method. ^{***}p<0.001 vs PBO^a

Adolescents: All (100%) ICO-randomized adolescents achieved PASI 75 by W32, with response rates maintained through W52



^aP-value based on Cochran-Mantel-Haenszel chi-square test stratified by geographic region. ^bConfidence interval, ICO=icotrokinra, PASI=Psoriasis Area and Severity Index, PBO=placebo.

~90% of ICO-randomized adolescents achieved clear/almost clear skin by W24, with durable response rates through W52



^aP-values based on Cochran-Mantel-Haenszel chi-square test stratified by geographic region. ^bConfidence interval, ICO=icotrokinra, IGA 0/1=Investigator's Global Assessment score 0/1 & ≥2-grade improvement from baseline, PASI=Psoriasis Area and Severity Index, PBO=placebo.

ICO adverse event (AE) profile through W52 was consistent with that observed through W16

- ICO AE profile in adolescents through W52 was consistent with that observed in the overall study population

PBO-Controlled ^a Mean Weeks of Follow-up	Active Treatment (Adults & Adolescents)		ICO Responders Re-Randomized at W24 (Adults)			
	ICO (W0–16; N=456)	PBO (W0–16; N=228)	ICO ^b (W16–52; N=213)	ICO (W0–52; N=456)	ICO → ICO (W24–52; N=168)	ICO → PBO ^b (W24–52; N=172)
Most Common AEs						
Nasopharyngitis						
Any AE	31 (7%)	15 (7%)	23 (11%)	64 (14%)	21 (12%)	20 (12%)
Upper respiratory tract infection	30 (7%)	16 (7%)	24 (11%)	52 (11%)	9 (5%)	15 (9%)
SAE						
Serious Infection						
AE Leading to Discontinuation	1 (<1%)	0	1 (<1%)	1 (<1%)	0	1 (1%)
Gastrointestinal AE ^c	26 (6%)	13 (6%)	4 (2%)	10 (2%)	3 (2%)	3 (2%)
Active TB	0	0	0	0	0	0
Malignancy ^d	2 (<1%)	0	0	2 (<1%)	0	0

^aIncludes data after W16 for PBO-randomized participants who crossed over to receive ICO. ^bCombined withdrawal and retreatment group. ^cIncludes gastrointestinal disorders. ^dIncludes adenocarcinoma of colon and prostate cancer. AE=adverse event, ICO=icotrokinra, PBO=placebo, SAE=serious adverse event, SOC=systemic organ class, Tolerability=tolerance.

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