

Treatment of Plaque Psoriasis Involving High-Impact Areas with Icotrokinra, a Targeted Oral Peptide That Selectively Binds the Interleukin-23–Receptor: Results Through Week 16 of the Phase 3, Randomized, Double-blind, Placebo-Controlled ICONIC-TOTAL Trial

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Background

Icotrokinra for plaque psoriasis

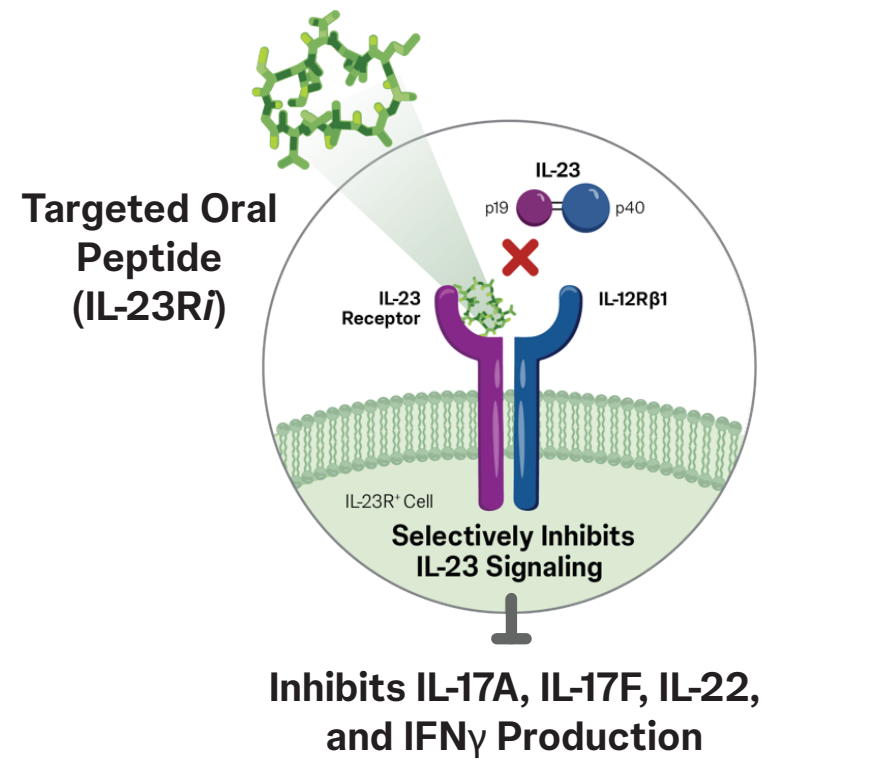
- Patients with moderate-to-severe plaque psoriasis (PsO) are generally limited to injectable therapies to achieve high-level efficacy with a favorable safety profile

- 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

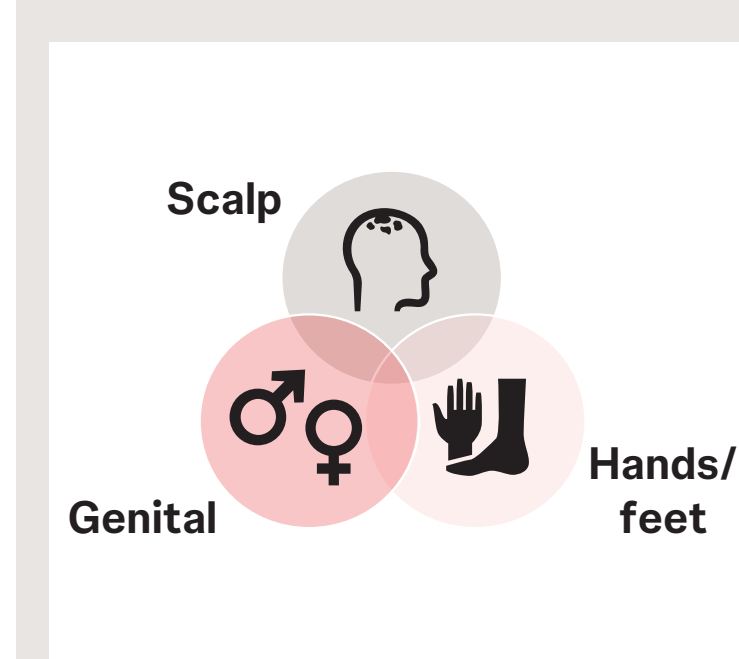
Icotrokinra Blocks IL-23 From Binding to its Receptor



IFN-γ=Interferon gamma, IL-12Rβ1=Interleukin-12 receptor beta 1, IL-23R=Interleukin-23 receptor, IL-23RI=Interleukin-23 receptor inhibitor

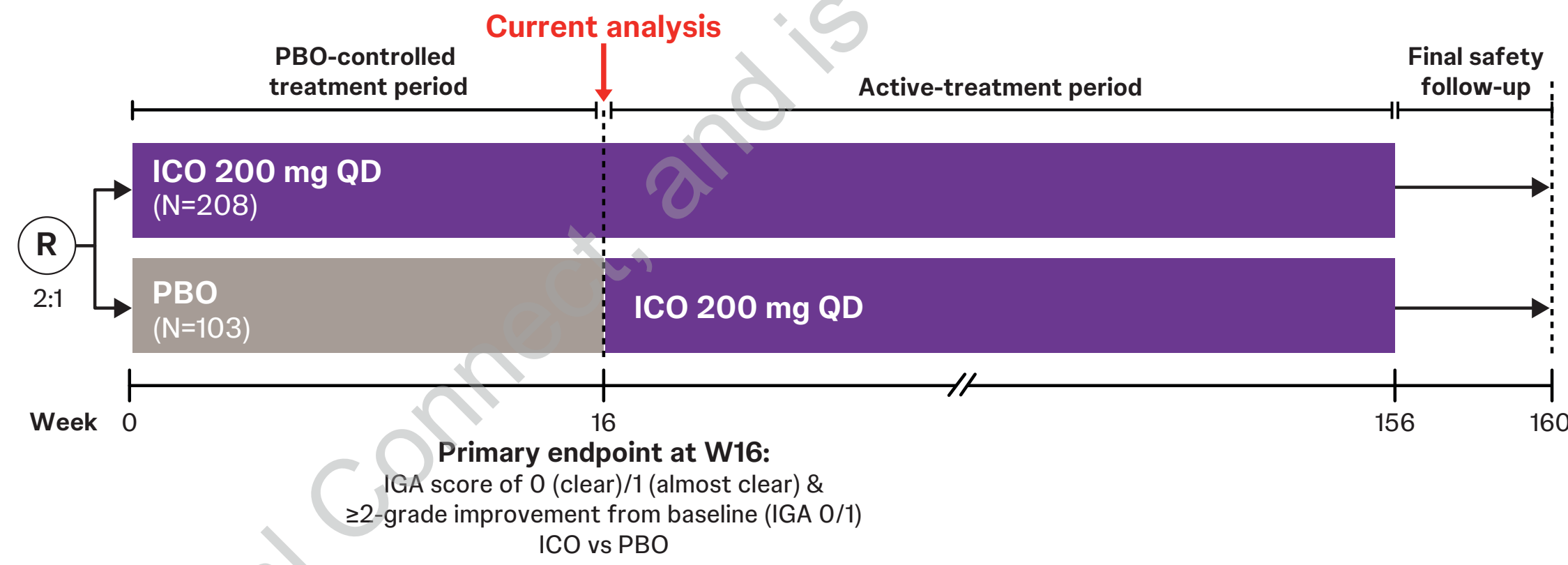
ICONIC-TOTAL: a novel basket-like design

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



Key inclusion criteria

- ≥12 years
- Plaque 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:
 - 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 of hands and feet (hf-PGA) score ≥3
- Candidate for phototherapy or systemic treatment for plaque PsO and failed ≥1 topical



Participants (pts) with the following intercurrent events were considered as nonresponders: discontinued study drug due to a lack of efficacy or AE of worsening PsO or initiated prohibited medication that could impact PsO. After accounting for these intercurrent events, nonresponder imputation was applied to pts with missing data. AE=Adverse event, ICO=Icotrokinra, IGA=Investigator's Global Assessment, PBO=Placebo, PsO=Psoriasis, QD=Once daily, R=Randomization, W=Week

Results

Baseline characteristics were generally similar between groups

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

Baseline Characteristics	ICO 200 mg QD (N=208)	PBO (N=103)
Demographics		
Age, years	45.3 (14.6)	43.5 (13.8)
Male	66%	61%
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)
<10%	36%	37%
≥10%	64%	63%
IGA score		
Moderate (3)	74%	71%
Severe (4)	22%	21%
PASI (0-72)	14.6 (7.6)	14.0 (7.0)
Prior Treatment for PsO		
Phototherapy (PUVA and UVB)	43%	31%
Systemic therapy ^b	73%	73%
Biologic therapy ^c	34%	31%

^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=3 [3%]). Data shown are mean (SD). ^bICO: N=203; PBO: N=101. ^cConventional nonbiologic systemics, novel nonbiologic systemics, 12S-vitamin D3 and analogues, phototherapy, and biologics. ^dAdalimumab, alefacept, brikrinumab, brodalumab, certolizumab pegol, efalizumab, etanercept, guselkumab, infliximab, ixekizumab, natalizumab, risankizumab, secukinumab, tildrakizumab, and ustekinumab. BMI=Body mass index, BSA=Body surface area, ICO=Icotrokinra, IGA=Investigator's Global Assessment, PASI=Psoriasis Area and Severity Index, PBO=Placebo, PsO=Plaque psoriasis, PUVA=Psoralen plus ultraviolet A, SD=Standard deviation, UVB=Ultraviolet B, QD=Once daily, W=Week

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

- Among the limited subset of pts with hf-PGA score ≥3, a higher proportion in the ICO group had severe involvement vs PBO
- 44% of pts had >1 high-impact site involved

High-impact Site PsO Severity ^a	ICO 200 mg QD (N=208)	PBO (N=103)
ss-IGA score ≥3	167 (80%)	85 (83%)
Moderate (3)	80%	75%
Severe (4)	20%	25%
sPGA-G score ≥3	96 (47%)	42 (41%)
Moderate (3)	77%	69%
Severe (4)	22%	29%
Very severe (5)	1%	2%
hf-PGA score ≥3	48 (23%)	23 (22%)
Moderate (3)	65%	83%
Severe (4)	35%	17%

Data shown are n (%), unless otherwise indicated. ^aPsO involving high-impact sites was not mutually exclusive. ICO=Icotrokinra, hf-PGA=Physician's Global Assessment of hands and feet, ss-IGA=Scalp-specific Investigator's Global Assessment, sPGA-G=Static Physician's Global Assessment of Genitalia, PBO=Placebo, PsO=Psoriasis, Pts=Patients.

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