Improved Pain and Fatigue With Ixekizumab Treatment in Patients With Active Psoriatic Arthritis and Previous Inadequate Response to TNF Inhibitors: 3-Year Follow-up From a Phase 3 Study (SPIRIT-P2)

Ana-Maria Orbai,¹ Kurt de Vlam,² Peter Nash,³ Julie Birt,⁴ Gaia Gallo,⁴ Keri Stenger,⁴ Vladimir Geneus,⁴ Bernard Combe⁵

¹Johns Hopkins University School of Medicine, Baltimore, USA; ²Universitaire Ziekenhuizen, Leuven, Belgium; ³University of Queensland. Brisbane. Australia: ⁴Eli Lilly and Company, Indianapolis, USA; ⁵CHU Montpellier and Montpellier University, Montpellier, France

BACKGROUND

- Psoriatic arthritis (PsA) is a chronic inflammatory disease with articular and extra-articular symptoms1
- Pain and fatigue are 2 of the most common patient-reported symptoms of PsA²
- Ixekizumab is a high-affinity monoclonal antibody that selectively targets interleukin-17A3
- Improvements in pain and fatigue have been demonstrated with up to 2 years of treatment with ixekizumab in patients who had an inadequate response or intolerance to tumor necrosis factor inhibitors (TNFi)4.5

OBJECTIVE

To report improvements in pain and fatique in TNFi-experienced patients with PsA who were treated with ixekizumab for up to 3 years (156 weeks)

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1.5	ABBREVIATIONS
	CASPAR-Classification Onleria for Paoriatic Arthritis; cDMARD-conventional datease-modifying anti-heumatic
	ORP+C reactive protein; & vinterlevakin; Rvinadequate responder; Mil-althing unekzumati;
	Dai CDMI-40 ng cakebunab every 2 weeks, diai CHM-40/ng seksbunab every 4 weeks, MCEbuninina ciric
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Improvements from baseline in joint pain were sustained

Overall, 52% of patients reported clinically meaningful

improvement (MCID ≥10) of joint pain at Week 156

in both treatment groups through 156 weeks

KEY RESULTS

Joint Pain VAS







Fatique Numeric Rating Scale

Improvements from baseline in fatigue were sustained in both treatment groups through 156 weeks Overall, 35% of patients reported clinically meaningful

improvement of fatigue at Week 156



IXE Q4W IXE Q2W (N=107

(N=107) ine Fatigue NRS ≥3

CONCLUSIONS In patients with PsA who had an inadequate response or

- intolerance to TNFi, improvements in pain and fatigue were sustained through 3 years of ixekizumab treatment in the IXE Q2W and IXE Q4W treatment groups
- >50% of patients receiving IXE Q4W had clinically meaningful improvement in pain (Joint Pain VAS) at 3 years
- Supported by improvement on the SF-36 Bodily Pain domain Almost 40% of patients receiving
- IXE Q4W had clinically meaningful improvement in fatigue (Fatigue NRS) at 3 years

Supported by improvement on the SF-36 Vitality domain



12 (9.8)

METHODS

Study Design, SPIRIT-P2



Week 10 mm weeks... Week 16 if IR Week 10 mm... E doe but received rescue treatment (RT; modifications to the p to XE Q2W + RT or XE Q4W + RT after a 160-mg starting does mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q2W or XE Q4W after a 160-mg starting mm randomized to XE Q4W after a 160-m

Key Eligibility Criteria

-25.3

41.6

🕴 Inclusion Criteria

- ≥18 years of age
- Established active PsA >6 months and currently meet CASPAR
- ≥3 tender joints and ≥3 swollen joints
- Prior treatment with ≥1 cDMARD^a and 1 to 2 TNFi (TNFi discontinued owing to IR or intolerance)
- Active psoriatic skin lesion or documented personal history of psoriasis

X Exclusion Criteria

- Current or recent use^b of ≥1 biologic agent for the treatment of PsA or psoriasis Current use of >1 cDMARD^a at study entry
- Previous treatment with α4-integrin-, IL-17-, or IL-12/23-targeted monoclonal
- Diagnosis of active inflammatory arthritis syndromes or spondyloarthropathies other

Serious infection ≤3 months

ate, sulfasalazine, leftunomide, or hydroxychloroquine; ^o Etanercept <28 days; infliximab, adalimumab, certolizumab pegol, or alefacep solimumab <90 days: rituximab <12 months: or any other biologic agent or small molecule <5 half-lives prior to baseline

Patient-Reported Outcomes

- Patients self-rated symptoms using: Joint Pain visual analog scale
 - Score range: 0 (none) to 100 mm (worst imaginable)
 - Minimal clinically important difference (MCID): ≥10-point (mm) improvement from baseline
 - 20-point (mm) improvement from baseline (appreciably important to patients)⁶ Medical Outcomes Study 36-Item Short Form
 - Health Survey Bodily Pain and Vitality domains (part of the
 - physical component summary and mental component summary, respectively) · Domain range: 0 (worst) to 100 (best)
 - MCID: ≥5-point improvement from baseline Fatigue numeric rating scale
 - · Score range: 0 (none) to 10 (worst imaginable) MCID: ≥3-point improvement from baseline⁸

RESULTS

Statistical Analyses

20

- Data presented are for patients in the Intent-to-Treat population who were originally randomized to ixekizumab at
- baseline (Week 0) Patients randomized to
- placebo were excluded from the analyses
- Missing values were imputed by modified baseline observation carried forward for continuous variables and modified non-responder
- imputation for categorical variables Observed data for Week 16
- inadequate responders were treated as missing during the
- inadequate response period
- Baseline Demographics and Clinical Characteristics E Q2W (N=123) 51.7 (11.9 Age, years Male, n (%) 63 (51.6) 50 (40.7) Time since PsA diagnosis, years 11.0 (9.6) 99(74) Tender joint count (68 joints) 22.0 (14.1) 25.0 (17.3) Swollen joint count (66 joints) 13 1 (11 2) 13.5 (11.5) Joint Pain VAS, mm 63.9 (21.4) 62.7 (20.9) Fatique NRS 5.9 (2.5) 6.0 (2.5) CRP, mg/L 17.0 (27.5) 13.5 (26.1) Background cDMARD therapy 60 (49.2) 73 (59.3) Current use, n (%) MTX, n (%) 48 (39.3) 61 (49.6) 16.0 (4.6) MTX mean weekly dose mo 159 (48) Previous TNFi therapy, n (%) Inadequate response to 1 TNFi Inadequate response to 2 TNFi 71 (58.2) 41 (33.6) 65 (52.8) 46 (37.4)

Intolerant to a TNFi

 The proportions of patients who completed Week 156 were 70/122 (57%) in the ixekizumab every 4 week (IXE Q4W) group and 55/123 (45%) in the ixekizumab every 2 week (IXE Q2W) group

10 (8.2

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- antibodies

than PsA