

Real-world effectiveness of ixekizumab in mild, moderate, and severe psoriasis: The patient perspective

Alice B. Gottlieb¹, Russel Burge², William N. Malatestinic², Baojin Zhu², Yunyang Zhao², Julie McCormack³, Miriam Kimel³, Meghan Feely², Joseph F. Merola⁴
¹Icahn School of Medicine at Mount Sinai, New York, USA; ²Eli Lilly and Company, Indianapolis, USA; ³Evidera, Bethesda, USA; and ⁴Harvard Medical School, Brigham and Women's Hospital, Boston, USA

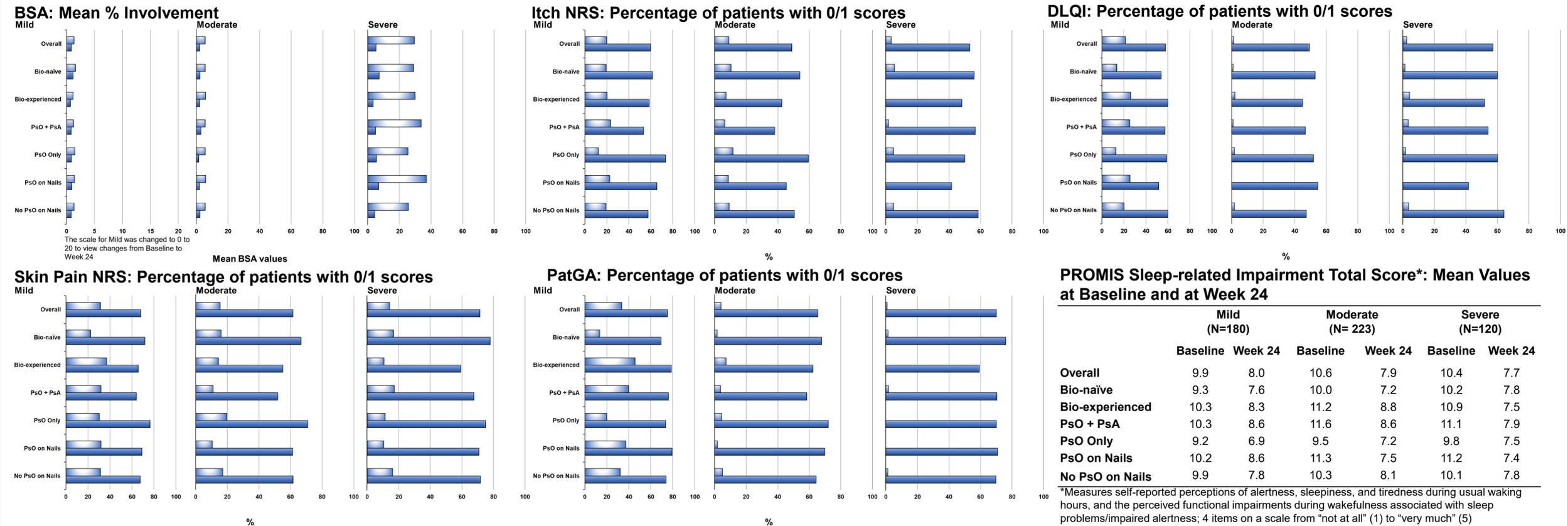
BACKGROUND

- Ixekizumab, a highly selective IL-17A monoclonal antibody, has been approved for the treatment of moderate to severe plaque psoriasis¹
- There are limited real-world data available on patient-reported outcomes (PROs) shortly after ixekizumab initiation, particularly among patients with mild psoriasis
- Data collection from the US Ixekizumab Customer Support Program (CSP) aims to create a large, patient-reported US database to fill this information gap

OBJECTIVE

- This analysis evaluated the real-world effectiveness of ixekizumab, as measured by PROs at baseline and Week 24 among patients with mild, moderate, or severe psoriasis who were enrolled in the Taltz CSP
- We assessed the overall sample and selected subgroups of clinical interest

KEY RESULTS AT BASELINE AND WEEK 24



DISCUSSION

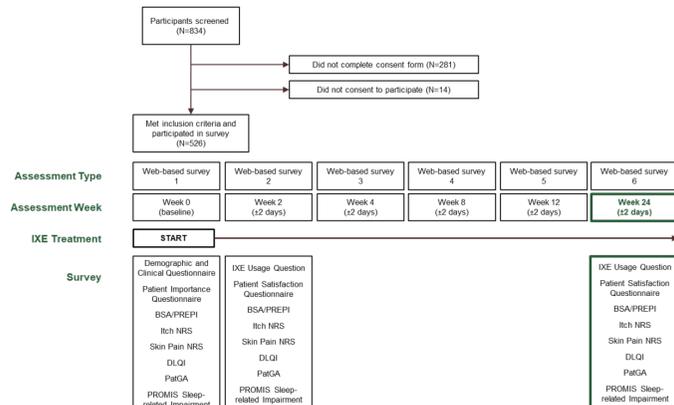
- Improvement in all outcome measures were observed by Week 24 across all severities of psoriasis
- Similar improvements were observed across the subgroups: biologic use, PsA status, and PsO nail involvement at baseline
- With a real-world study population, factors influencing outcomes may include, but are not limited to, self-reported psoriasis, compliance with medications, and experience with biologics

CONCLUSIONS

- In a real-world setting, PRO improvements have been observed across all severities of psoriasis, with the greatest improvements observed in patients with severe psoriasis

METHODS

US Ixekizumab CSP Design



Key Eligibility Criteria

- Patients with psoriasis enrolled in the US Ixekizumab CSP
- ≥18 years of age
- Commercial insurance
- Initiated ixekizumab within 7 days of screening
- Device with access to the internet

Assessments

- Web-based questionnaires administered at baseline, Weeks 2, 4, 8, 12, and 24

- PREPI:** single question for estimating BSA involvement where palm of patient's hand equaled BSA 1%
- Itch NRS:** Scale from 0=no itch to 10=worst itch imaginable in the past 24 hours, Minimum clinically important difference: ≥4 points²
- Skin Pain NRS:** Scale from 0=no pain to 10=worst pain imaginable in the past 24 hours
- DLQI:** Scale of 0-30, with 0 to 1=no effect on patient's life over the past week
- PROMIS SF v1.0 Sleep-Related Impairment SF 4a:** Scale 4-20, with 1=not at all to 5=very much over the past 7 days
- PatGA:** Patients were asked to rank the severity of PsO over the previous day, on a scale of 0-5, with 0=clear and 5=severe

- Patients were divided into mild (BSA <3%), moderate (BSA 3-10%), or severe (BSA >10%)³

Statistical Analyses

- PROs were assessed through Week 24
 - Evaluated percentage of patients with 0 or 1 scores at baseline and at Week 24 for the DLQI, PatGA, Itch NRS, and Skin Pain NRS
- Descriptive analyses with observed data
- No data imputation was performed
- Data are reported for the overall study population and by bio-naïve and bio-experienced and by psoriatic arthritis subgroups
- Changes from baseline were evaluated with a mixed effects model
- P-values are for within-group comparisons of responses at baseline and at Week 24

Patient Demographics and Baseline Characteristics

	Psoriasis Severity		
	Mild (N=180)	Moderate (N= 223)	Severe (N=120)
Age, mean ± SD	49.4 ± 12.0	47.0 ± 12.0	45.7 ± 11.8
Women, n (%)	122 (68%)	139 (62%)	71 (59%)
White, n (%)	150 (83%)	197 (88%)	104 (87%)
BMI, kg/m², mean ± SD	30.7 ± 6.7	32.1 ± 8.0	34.0 ± 8.6
Duration from onset of psoriasis, months, mean ± SD	190.1 ± 172.2	185.3 ± 151.8	229.4 ± 184.1
Psoriasis locations, n (%)			
Scalp psoriasis	93 (52%)	135 (61%)	97 (81%)
Genital psoriasis	20 (11%)	50 (22%)	45 (38%)
Nail psoriasis	44 (24%)	57 (26%)	39 (33%)
Psoriatic arthritis, n (%)	120 (67%)	109 (49%)	58 (48%)
Bio-experienced (previous 2 years), n (%)	110 (61%)	97 (44%)	47 (39%)

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ABBREVIATIONS

BMI=body mass index; BSA=body surface area; CSP=Customer Support Program; DLQI=Dermatology Life Quality Index; IXE=ixekizumab; NRS=numeric rating scale; PatGA=Patient's Global Assessment; PREPI=Patient-Reported Extent of Psoriasis Involvement; PROs=patient-reported outcomes; PROMIS=Patient-Reported Outcomes Measurement Information System; PsA=psoriatic arthritis; PsO=psoriasis; SD=standard deviation

DISCLOSURES

- A. B. Gottlieb has received honoraria as an advisory board member, non-promotional speaker or consultant for: Amgen, AnaptysBio, Avotres Therapeutics, Boehringer Ingelheim, Bristol Myers Squibb, Dice Therapeutics, Dermavant, Eli Lilly, Janssen, Novartis, Pfizer, Sanofi, Sun Pharma, UCB Pharma, and Xbiotech (stock options for an RA project); research/educational grants from: AnaptysBio, Janssen, Novartis, Ortho Dermatologics, Sun Pharma, BMS, and UCB Pharma; all funds go to the Icahn School of Medicine at Mount Sinai
- R. Burge, W. N. Malatestinic, B. Zhu, Y. Zhao, M. Feely are shareholders and employees of: Eli Lilly and Company; M. Feely is a clinical instructor at: Mount Sinai Hospital and has received consulting, travel, or speaker fees from: Aerolase, Castle Biosciences, Galderma Aesthetics, Glow Recipe, La Roche-Posay - L'Oréal, Revian, Sonoma Pharmaceuticals, Sun Pharma, and Suneva Medical; J. McCormack and M. Kimel declare no conflicts of interest; J. F. Merola is a consultant and/or investigator for: AbbVie, Amgen, Biogen, Bristol Myers Squibb, Dermavant, Eli Lilly and Company, Janssen, LEO Pharma, Novartis, Pfizer, Sanofi Regeneron, Sun Pharma, and UCB Pharma
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