

SHADOWS OF INFLAMMATION: EXPLORING POST-INFLAMMATORY PIGMENT CHANGES IN PSORIASIS IN VISIBLE, A PHASE 3b RANDOMIZED CONTROLLED STUDY OF GUSELKUMAB FOR MODERATE-TO-SEVERE PLAQUE PSORIASIS DEDICATED TO PEOPLE OF COLOR



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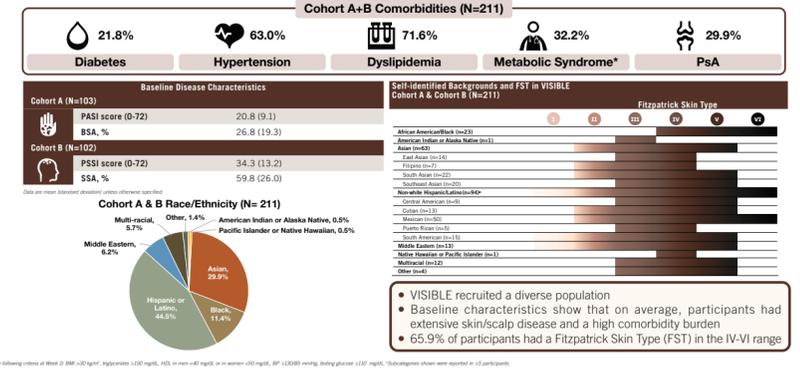
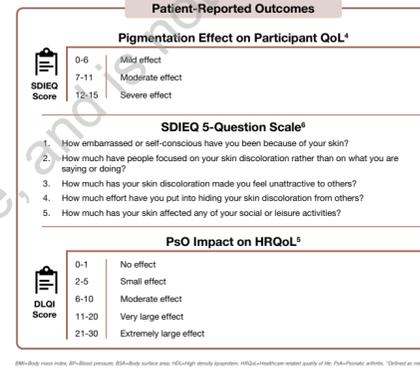
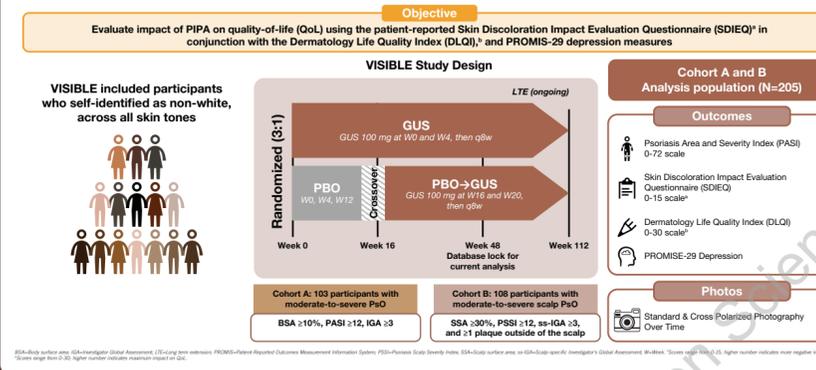
BACKGROUND

VISIBLE is an ongoing, **first-of-its-kind**, large-scale, phase 3b, randomized, double-blind, placebo (PBO)-controlled study to evaluate efficacy and safety of **guselkumab** (GUS) for moderate-to-severe **plaque psoriasis** (PsO) across all skin tones. **VISIBLE** was uniquely prospectively designed to collect data on **post-inflammatory pigment alteration** (PIPA)

PIPA secondary to PsO more frequently impacts individuals with **skin of color**^{1,2}

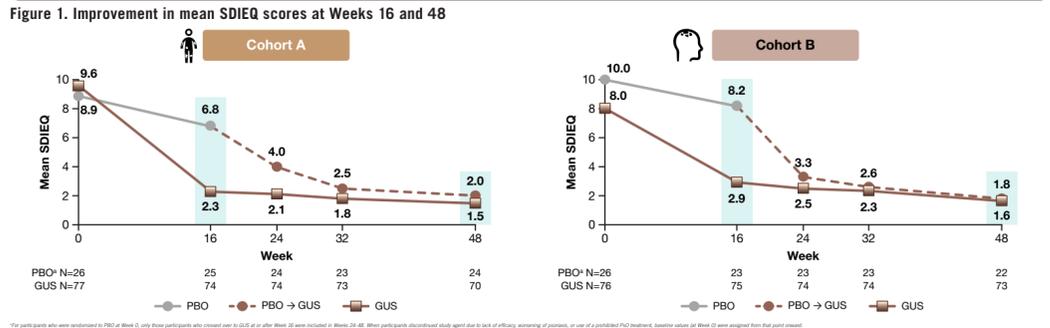
In one survey of biologic-treated PsO patients, over **80%** considered **PIPA** to be an important but **neglected problem**³

BACKGROUND/METHODS

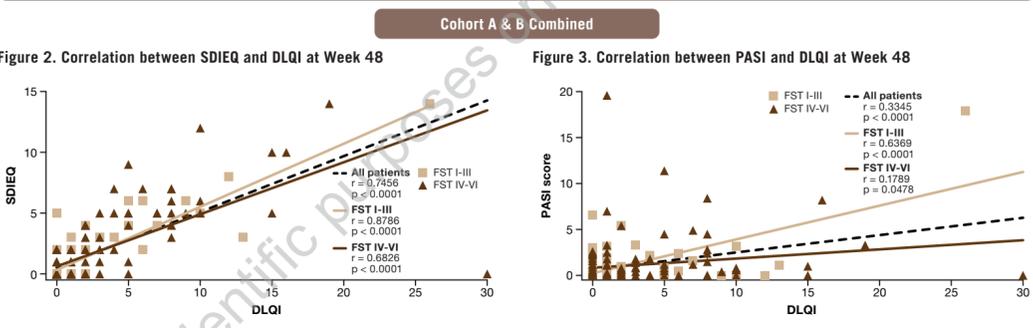


RESULTS

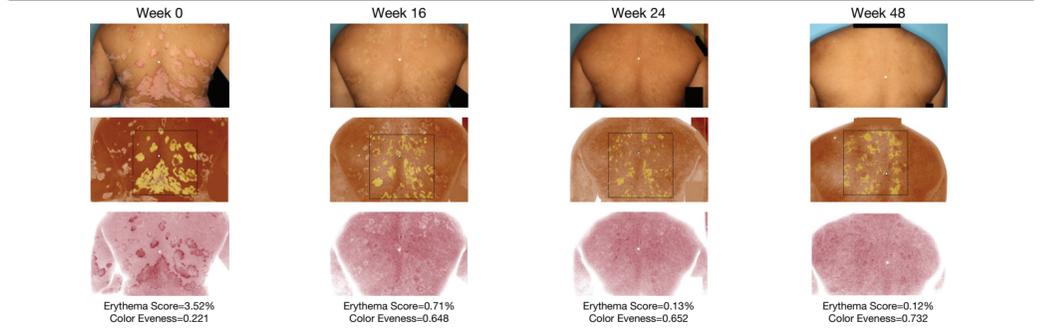
- At Baseline, participants from both VISIBLE Cohorts A and B reported substantial impact of skin discoloration due to PsO on QoL (mean SDIEQ scores 8-10)
- Rapid and substantial reductions in mean SDIEQ scores were achieved at Weeks 16 and 48, and continued to improve through Week 48 consistent with pigment improvement observed in clinical photography



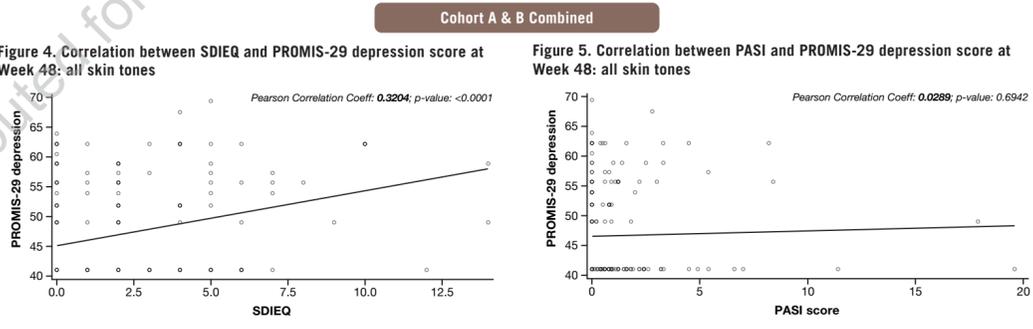
- Overall, there was a stronger correlation between SDIEQ and DLQI scores (Figure 2) vs PASI and DLQI scores (Figure 3) for all skin tones at Week 48
- This effect was more pronounced in the darker skin tone strata (Fitzpatrick IV-VI) for SDIEQ and DLQI scores (r=0.6826) vs PASI and DLQI scores (r=0.1789)



- Exploratory Analyses: Objective evaluation of cross-polarized photos for erythema, pigmentation, and skin tone evenness over time



- This post-hoc analysis showed that PROMIS-29 depression scores were more strongly correlated with SDIEQ scores (Figure 4) than PASI clearance scores (Figure 5) for all skin tones



CONCLUSIONS

- VISIBLE is a first-of-its-kind prospective study evaluating GUS in participants across all skin tones with moderate-to-severe PsO intentionally designed to collect information on post-inflammatory pigmentation after treatment for PsO
- Substantial, rapid improvements in PIPA, measured by SDIEQ, were reported by participants at Week 16 after 3 doses of GUS, with sustained improvements observed through Week 48 with continued treatment
- SDIEQ is more strongly correlated with DLQI than PASI, which indicates that discoloration is more impactful than skin clearance, especially among darker skin tones, and suggests that PASI outcomes do not adequately measure psoriatic disease burden across all skin tones
- The VISIBLE study demonstrates the importance of capturing standard and cross-polarized photography across skin tones. These photos showcase the various journey types a patient may take and allow for objective analyses to provide insights into PIPA following PsO to inform and improve patient counseling

References: 1. Amico S, et al. *J Am Acad Dermatol*. 2020;83:1188-1191. 2. Kaufman BP, et al. *Am J Clin Dermatol*. 2018;19:405-423. 3. Chiu HY, et al. *J Am Acad Dermatol*. 2022;86:642-645. 4. Maymone MBC, et al. *J Dermatol*. 2018;45:361-2. 5. Hongbo Y, et al. *J Invest Dermatol*. 2005;125:659-664. 6. Bakrishnan R, et al. *J Drugs Dermatol*. 2004;3:377-381. **Alexis**: Medical writing support was provided by Teresa Tartaglione, PharmD, of Certara, LLC under the direction of the authors in accordance with Good Publication Practice guidelines (*Ann Intern Med*. 2022;175:1298-304). 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AM: has received grants (funds to institution) and/or served as consultant/advisor for AbbVie, Almirall, Arcutis, Bristol Myers Squibb, Eli Lilly, Galderma, Janssen, Johnson & Johnson, L'Oréal, Nutrafol, Pflizer, Revian, Sanofi-Genzyme, and UCB. TB: is currently a principal investigator for studies being sponsored by AbbVie, Castle, CorEvitas, Dermavant, Galderma, Mindera, and Pflizer. She has additional research funding from Novartis and Regeneron. She has served as an advisor for AbbVie, Amgen, Anacor, Arcutis, Bausch Health, Biodesign, Bristol Myers Squibb, Dermavant, Galderma, Janssen, Lilly USA, Novartis, Ortho Dermatologics, Pflizer, Regeneron, Sanofi-Genzyme, Takeda, and UCB; served as a speaker for AbbVie, Cara, CorEvitas Atopic Dermatitis Registry, CorEvitas Psoriasis Registry, Dermavant, Dermira, Lilly USA, Mindera, Novartis, and UCB. 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