

# THE POWER OF IMAGERY IN CLINICAL MEDICINE: LEVERAGING CLINICAL PHOTOS FROM THE VISIBLE STUDY TO FOSTER CONVERSATIONS BETWEEN CLINICIANS AND PATIENTS

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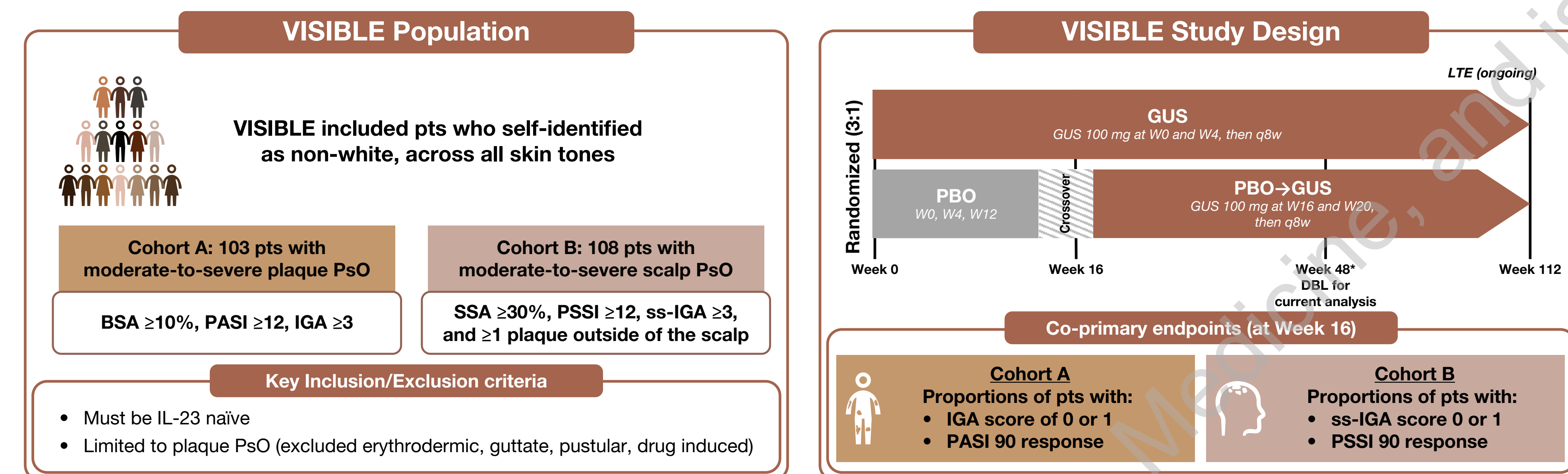


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## BACKGROUND/OBJECTIVE

- Psoriasis (PsO) is often described as well-defined, inflamed, red or pink plaques with scaling; however, in individuals with skin of color (SOC), this description is not always accurate<sup>1,2</sup>
- Only 4–19% of images in dermatology textbooks are on darker skin tones<sup>3</sup>
- VISIBLE (NCT05272150) evaluated efficacy of guselkumab (GUS) versus placebo (PBO) in participants (pts) with moderate-to-severe plaque PsO or scalp PsO in SOC
- As a first-of-its-kind study 100% dedicated to people of color with PsO, VISIBLE enabled the development of a digital photo library to address the clinical knowledge gap for visualizing PsO in a range of skin tones; here we present a snapshot of this tool
- Our objectives are to:
  - Compile a PsO digital photo library from VISIBLE clinical trial pts with a range of skin tones
  - Educate providers and patients on the clinical features of PsO in all skin tones
  - Improve diagnostic accuracy of PsO across all skin tones

Figure 1. VISIBLE Population and Study Design



BSA=body surface area, GUS=guselkumab, IGA=Investigator's Global Assessment, IL=interleukin, LTE=long-term extension, PSSI=Psoriasis Scalp Severity Index, PASI=Psoriasis Area and Severity Index, PBO=placebo, PsO=psoriasis, PSSI=Psoriasis Scalp Severity Index, pts=participants, q8w=every 8 weeks, SSA=scalp surface area, ss-IGA=scalp-specific IGA, W=week.

- Pts in the trial gave consent for the medical use of their photos
- Photography was done using standard and cross-polarized lighting; cross-polarization enhances visualization of erythema and pigmentation, especially in SOC
- Standard positions were used for body and scalp photos, with software assistance to match positioning between visits
- The protocol included photo collection at screening and Weeks 0, 4, 12, 16, 20, 24, 32, 44, 48, 52, 68, 84, and 100

## VISIBLE REPRESENTS A DIVERSE POPULATION ACROSS SKIN TONES

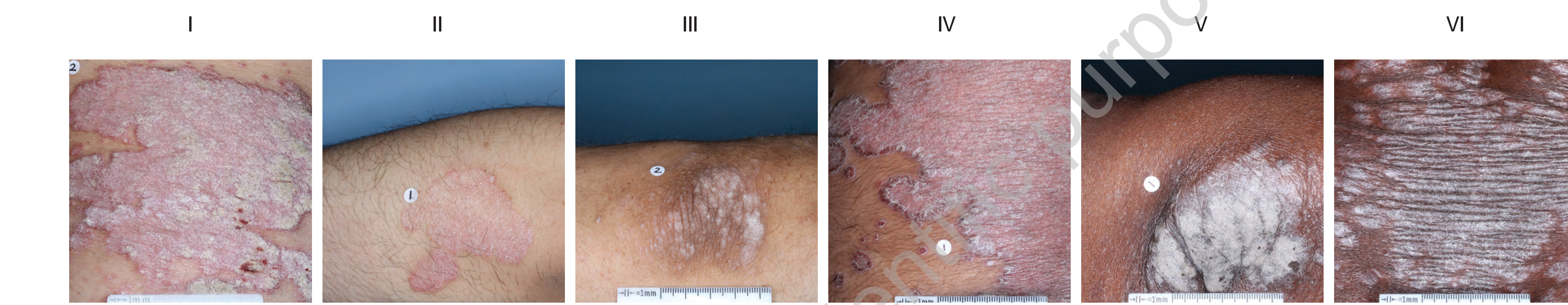
Cohort A & Cohort B (N=211)

Fitzpatrick Skin Type	I	II	III	IV	V	VI
African American/Black (n=23)						
American Indian or Alaska Native (n=1)						
Asian (n=63)						
East Asian (n=14)						
Filipino (n=7)						
South Asian (n=22)						
Southeast Asian (n=20)						
Non-white Hispanic/Latino (n=94)*						
Central American (n=9)						
Cuban (n=13)						
Mexican (n=50)						
Puerto Rican (n=5)						
South American (n=15)						
Middle Eastern (n=13)						
Native Hawaiian or Pacific Islander (n=1)						
Multiracial (n=12)						
Other (n=4)						

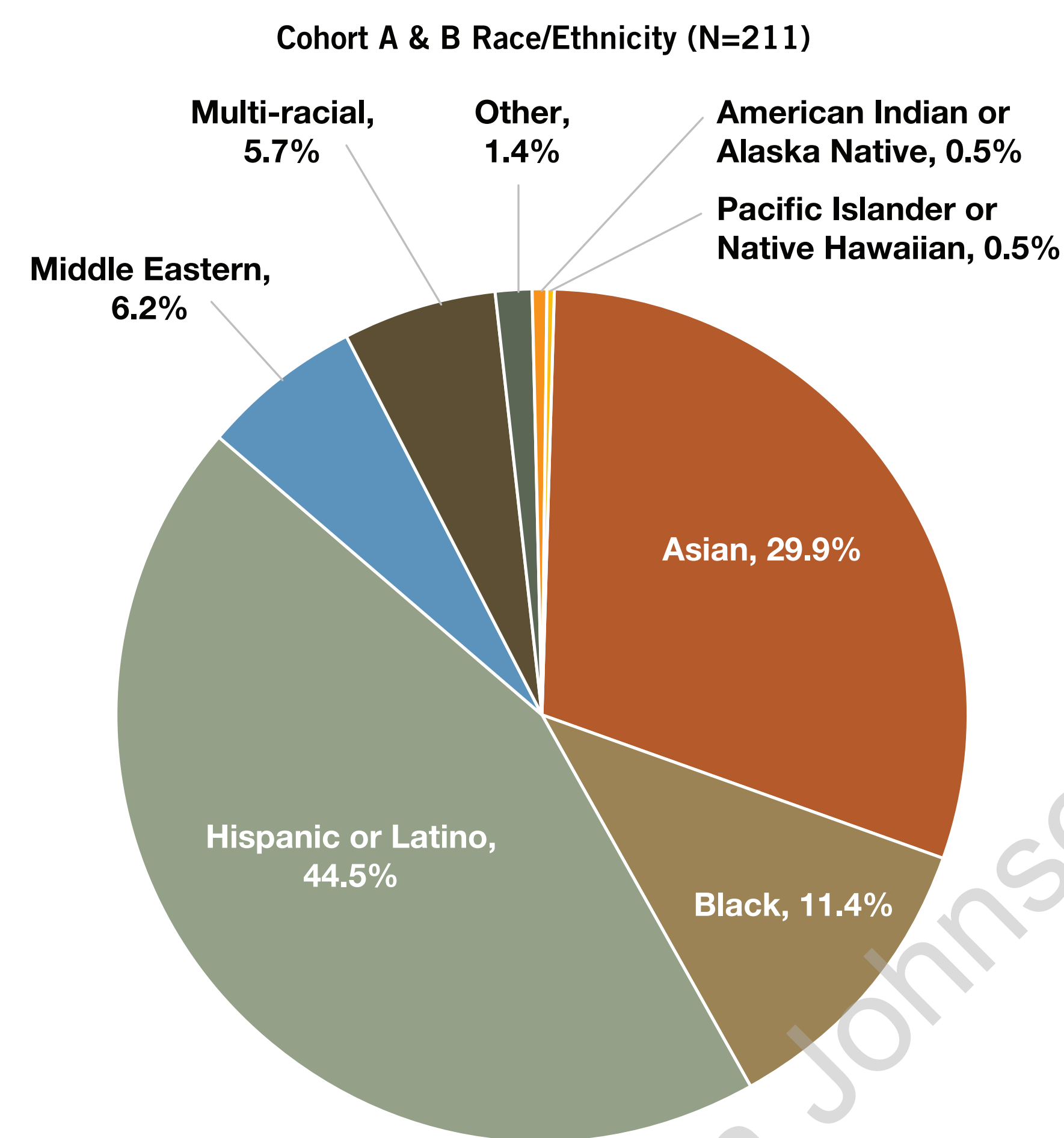
Data on file. Johnson & Johnson. \*Subcategories shown were reported in ≥5 pts; †Efficacy analysis population, all pts who met Cohort B inclusion criteria. FST=Fitzpatrick skin type; pts=participants.

### Snapshot of the VISIBLE Photo Library

The VISIBLE study provides a library of images of PsO representative of all Fitzpatrick skin types (as determined by colorimetry measurement of non-sun exposed skin)

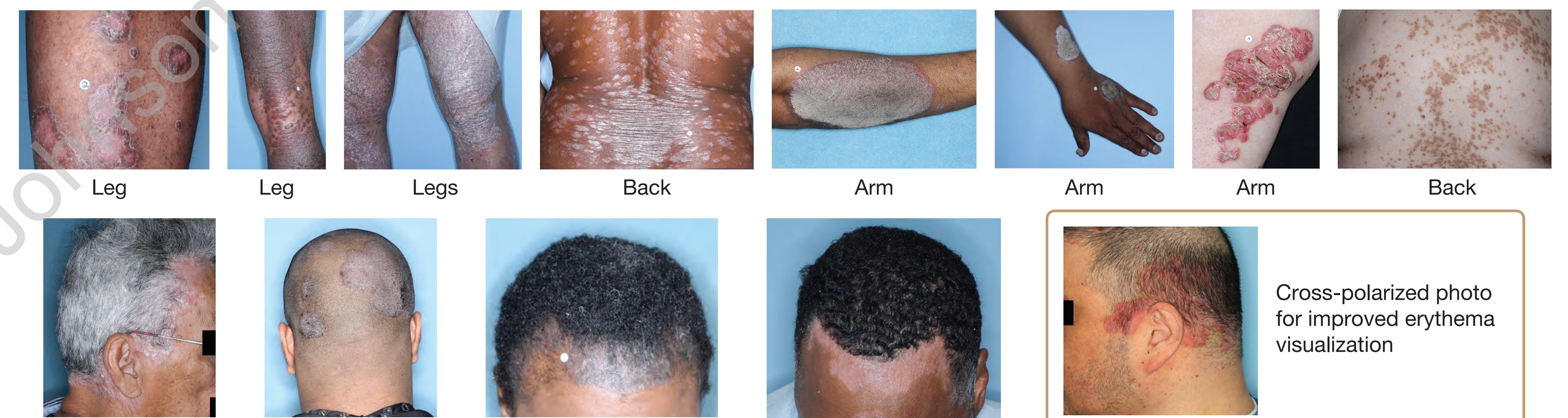


PsO=psoriasis.



## PSORIASIS MORPHOLOGY MAY VARY ACROSS SKIN TONES

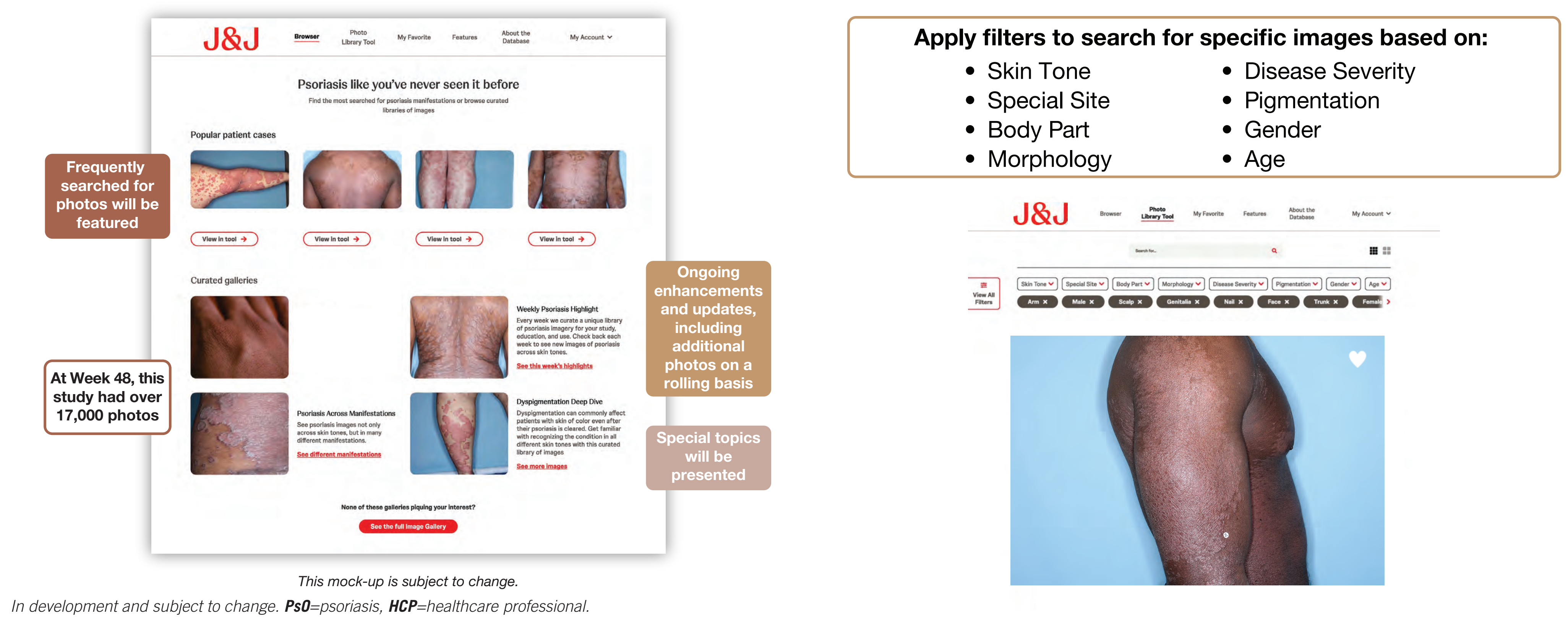
- Morphology descriptors include: - Color (violaceous, brown, pink, etc) - Scale (ostracoeous, micaceous, thick, etc) - Size (large, agminated small plaques, confluent, etc)
- Cross polarization can enhance erythema and pigmentation in SOC



## PHOTO LIBRARY INTERFACE ELEMENTS

HCPs and patients can view frequently searched images depicting specific manifestations of PsO or browse curated sets of images

HCPs can filter the search criteria to explore subsets of PsO images



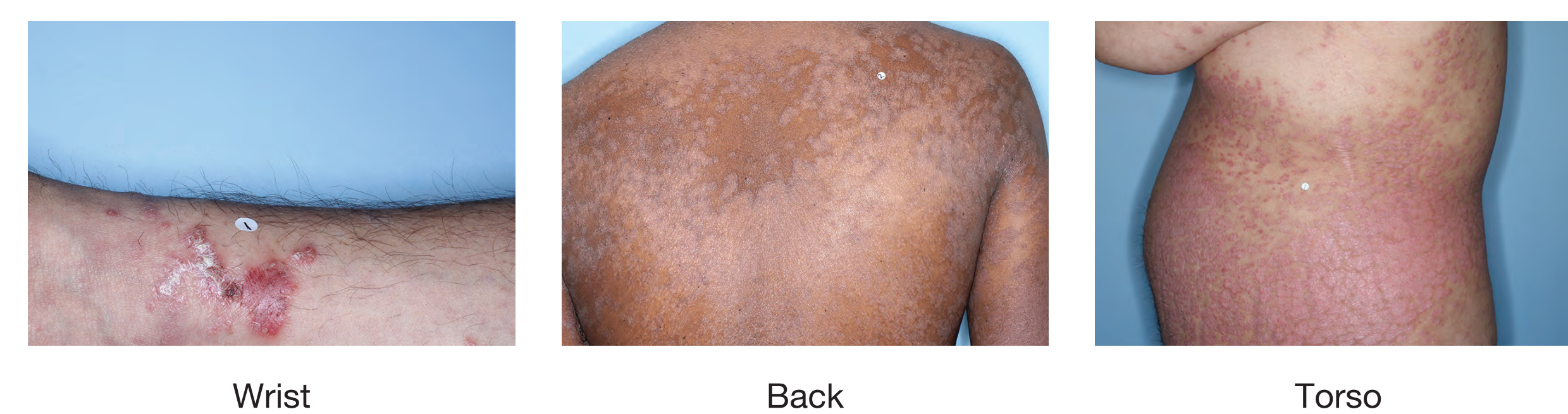
## EXPANDING THE PSORIASIS DIFFERENTIAL

Psoriasis may be more challenging to diagnose on diverse skin tones because it may require a broader differential which may explain why PsO is 4x more likely to require a biopsy for diagnosis in skin of color<sup>4</sup>

These are photos that do not fit the classic morphology description of "well-demarcated erythematous plaque with silvery scale"

Differential Diagnosis may include:

- Lichen Planus
- Tinea Versicolor
- Atopic Dermatitis
- Pityriasis Rubra Pilaris
- Crusted Scabies
- Drug Eruption
- Erythema Dyschromicum Perstans



PsO=psoriasis.

## CONCLUSIONS

- The first-of-its-kind VISIBLE study recruited a diverse population of pts with moderate-to-severe plaque PsO across all skin tones and was intentionally designed to collect standardized serial photos to help address the dearth of photos of darker skin tones in medical and educational materials
- PsO in VISIBLE pts:
  - ranged in color from a traditional spectrum of erythema to violaceous and brown hues
  - exhibited diverse morphology ranging from small, scattered plaques, to large, thin, or very thick plaques, with varied scale features even within the same pt
  - exhibited a broader differential for psoriasis across diverse skin tones because of the variations in color and morphology
- Photos from the VISIBLE study have been used to build an expandable and searchable library on a digital platform for bridging education gaps around treating those currently underrepresented