

Enhancing Skin Quality with Cohesive Polydensified Matrix Hyaluronic Acid Gel with Glycerol Delivered by Microcannula

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Background

Hyaluronic acid (HA) skin boosters have emerged as popular injectable treatments to improve skin health and overall appearance. The cohesive polydensified matrix (CPM) HA skin booster (CPM-HA20G) uniquely combines HA with glycerol, a highly hydrating endogenous substance. This case series presents treatment outcomes in 30 Asian individuals with CPM-HA20G, following its introduction to the Malaysian market in 2024.

Observations

Methods

Treatments were administered using spreading technique via a 25G (40 mm) cannula in three sessions four weeks apart, with follow up over 9-months (**Fig 1**). The primary injection sites were the v-frame deformity areas, mid-cheek, and lateral canthus. (**Fig 2**).

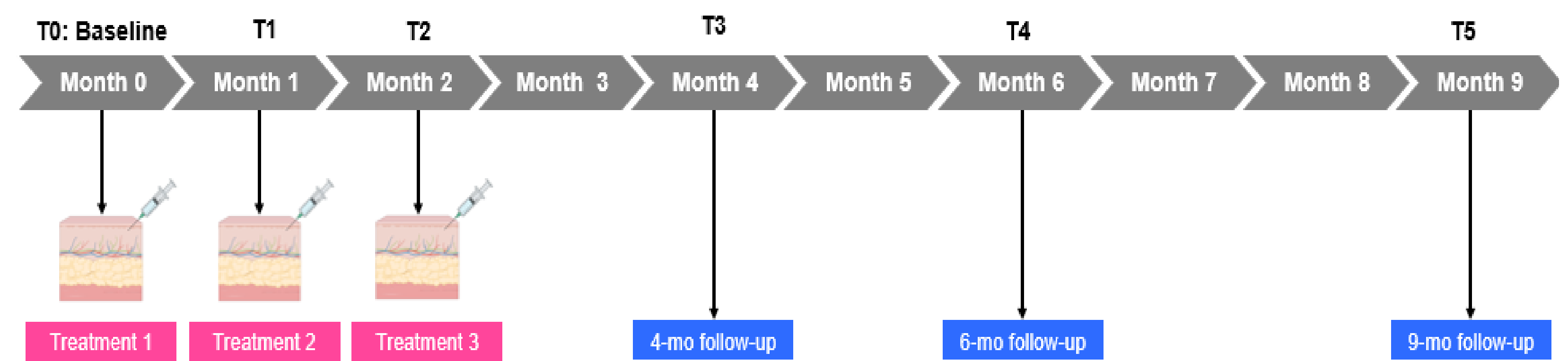


Figure 1. Study design and timeline of follow-up. (T refers to timepoint)

Outcomes assessed at each timepoint

Clinical photographs taken by 3D stereophotogrammetry system (QuantifiCare®)	Blinded investigator Global Aesthetic Improvement Scale (IGAIS)	Patient-reported improvements in skin quality (overall and according to 4 EPCs*)	Patient satisfaction	Adverse events (AEs)
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*EPC: Emergent perceptual categories. Skin quality is defined by 4 EPCs: skin surface evenness, tone evenness, firmness, and glow

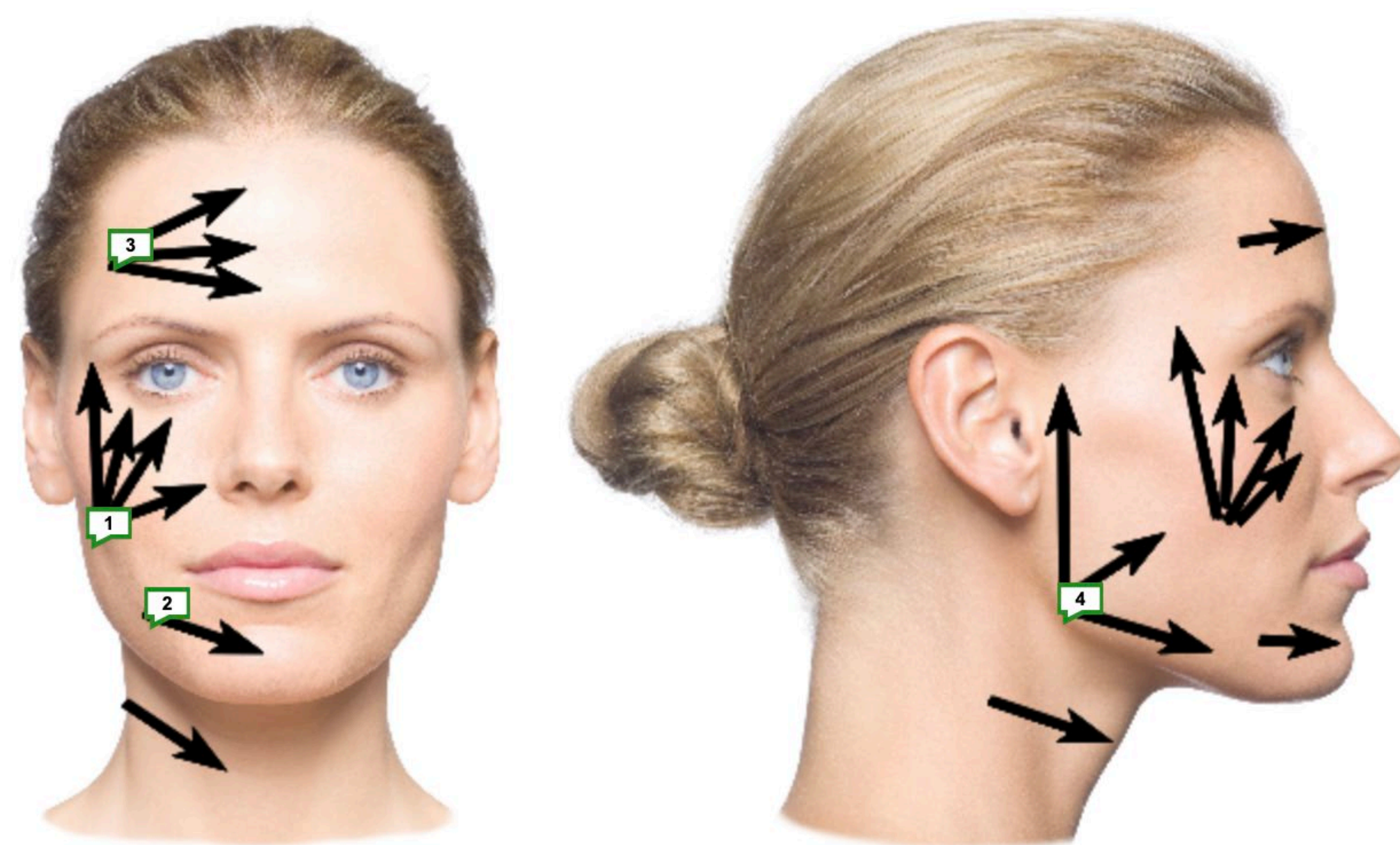


Figure 2. Schematic diagram showing the injection sites.

Results

- IGAIS was rated as at least 'improved' for all participants (**Fig 3A**) with continued enhancements over time.
- Patients reported sustained improvements in overall skin quality (**Fig 3B**) and across 4 EPCs.
- Representative cases are presented in **Fig 4**.
- All participants were 'satisfied' or 'very satisfied' at 9-month follow up.
- Additional improvements were observed in acne appearance and facial contouring (**Fig 5**).
- The cannula technique was well-tolerated and associated with minimal procedural AEs (mild edema, erythema) and reduced downtime.

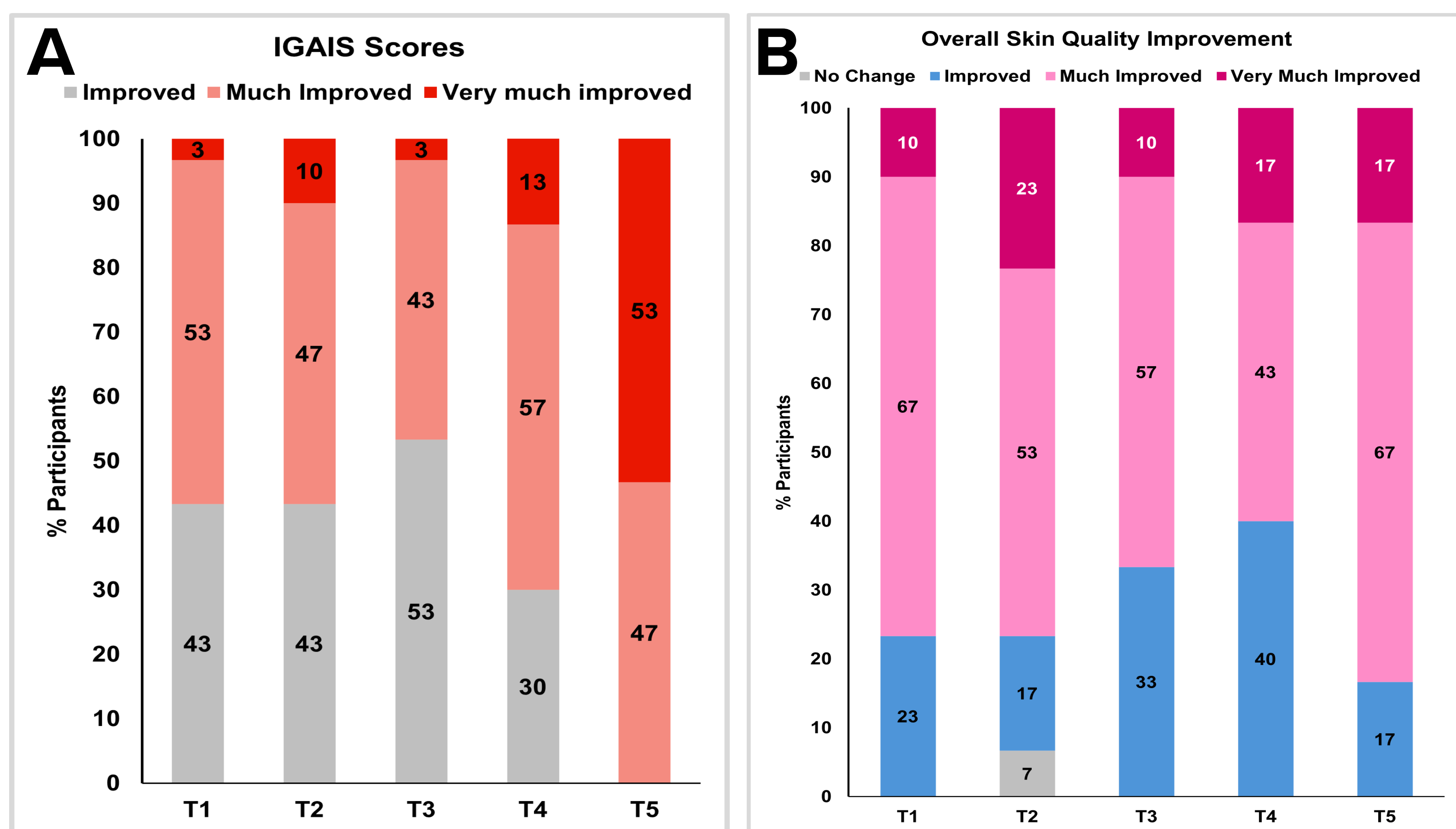


Figure 3. (A) Distribution of IGAIS ratings and (B) patient-reported overall skin quality improvement across all patients at all five timepoints.



Figure 5. Female before (left) and 9-months post-treatment with improvements in acneiform and facial contours.



Figure 4. Representative clinical photographs of two patients, before (left) and 9-months post-treatment (right).

CPM-HA20G treatment via cannula is a safe and effective method to improve skin quality and overall appearance. This approach may be valuable in patients with sensitive skin, low pain tolerance, or preference for reduced social downtime