

# Expanding Indications: Successful Use of Modified TCA Peel in Couperose and Sensitive Skin

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## Background:

Couperose and sensitive skin types are often excluded from medium-depth chemical peeling due to vascular fragility, reactivity, and risk of post-inflammatory hyperpigmentation or prolonged erythema. Advances in modified trichloroacetic acid (TCA) formulations, however, allow for controlled penetration and reduced irritation, potentially expanding indications in this challenging group

## Case description:

Patients aged 28-45 with couperose-prone skin underwent treatment with a modified TCA peel (12% TCA, 5% mandelic acid and 5% kojic acid). The protocol was tailored to tolerance, with three treatments performed at 4-6 weeks intervals. All patients reported a history of reactive skin, with several previously unable to tolerate conventional chemical peels.

## Results:

Treatments were well tolerated, with only transient erythema typically resolving within 24 hours. Patients demonstrated visible improvement in skin luminosity, texture, and complexion uniformity, with no worsening of couperose symptoms. No adverse events

such as blistering, prolonged erythema, or post-inflammatory hyperpigmentation were observed. Patient satisfaction was consistently high, with several reporting that their skin was “less reactive” after repeated treatments. Clinical photographs with skin analysis device confirmed the improvements.

Couperose

Revy Peel HIGH



## Conclusion:

Modified TCA peels can be safely and effectively applied in couperose and sensitive skin types, expanding the indications of medium-depth peeling to patients traditionally excluded.

This approach provides a valuable and well-tolerated option for rejuvenation in a challenging clinical population.

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