
EVALUATING THE EFFICACY AND SAFETY OF TRANEXAMIC ACID TO HYDROQUINONE AND TRIPLE COMBINATION CREAM IN THE TREATMENT OF MELASMA

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INFO ARTIKEL	ABSTRACT
Keywords: Melasma; Trane amic Acid; H droq inone; Triple Combina ion Therap .	<i>Backgro nd: Melasma is an acq ired skin condi ion charac eri ed b sporadic h perpigmen ed mac les or pa ches ha affec s pho o e posed areas hich occ r chronicall . Melasma serio sl impairs a pa ien s q ali of life. C rren rea men s for melasma incl de h droq inone, cor icos eroids, re inoids, na ral s bs ances, and riple combina ion creams (TCC), hich demons ra e ariable efficac and side-effec profiles. Melasma can no be rea ed i h rane amic acid (TA), a ell-kno n an i-fibrinol ic dr g. Oral, opicall applied, and proced ral echniq es ere sed o adminis er TA. P rpose: This re ie e al a es he efficac and safe of rane amic acid o h droq inone and riple combina ion cream in he rea men of melasma and s gges s s eps ha need o be aken o mains ream TA se in clinical se ings. Re ie : Among he recen melasma rea men s are h droq inone (HQ), riple combina ion opicals, and reg lar se of broad-spec r m s nscreen. .I Beca se plasmin has been sho n o ha e melanogenic proper ies, rane amic acid (TA) is an essen ial herap op ion for melasma d e o i s an i-plasmin (and conseq en l an i-fibrinol ic) proper ies. Recen research has sho n ha melasma-affec ed skin has enhanced asc lari and VEGF e pression in he epidermis, s gges ing e ano her me hod b hich TA ma rea melasma clinicall . Concl sion: The re ie re ealed ha a combina ion of rane amic acid and h droq inone has be er efficac in rea ing melasma ra her han h droq inone alone. Oral rane amic acid combined i h TCC can pre en rec rrence and s s ain he o come.</i>

In d c i n

Research Method

Result and Discussion

Among the recent melasma treatments are hydroquinone (HQ), triple combination topicals, and the regular use of broad-spectrum sunscreen .

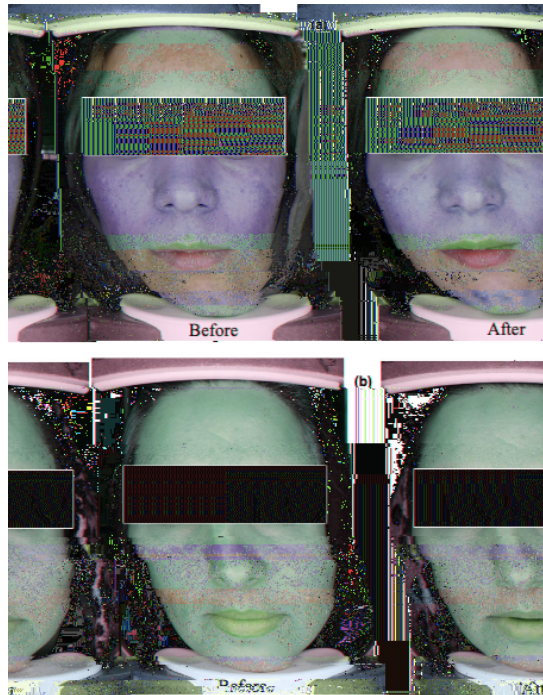


Figure 1. Melasma treatment in TA+HQ gel, before (baseline) and after (3 months) in females). a) 33-year-old, b) 37-year-old

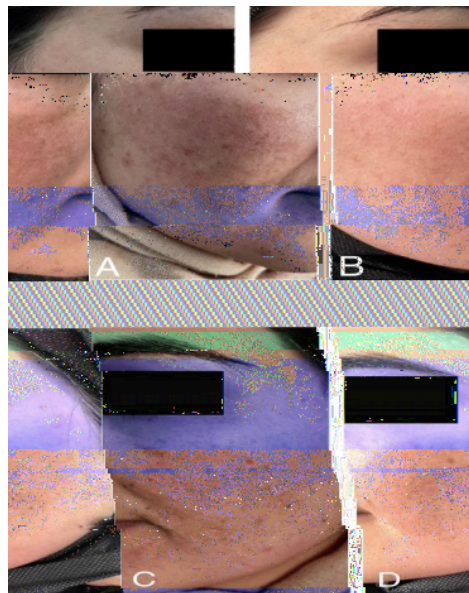


Figure 2. Right side before treatment, b) after 8 weeks of treatment with TA+HQ. c) Left side of face before treatment, d) after treatment with TA in dermal + HQ



Figure 3. Melasma treatment results in (a) 4% of HQ cream, before treatment (left) and after 16 weeks of treatment (right); (b) TA in dermal + 4% hydroquinone in a cream

T a n e a m i c A c i d V e T i l e
C m b i n a i n C e a m

Table 2
T ane amic Acid c m a e d T i l e C mbina i n C eam

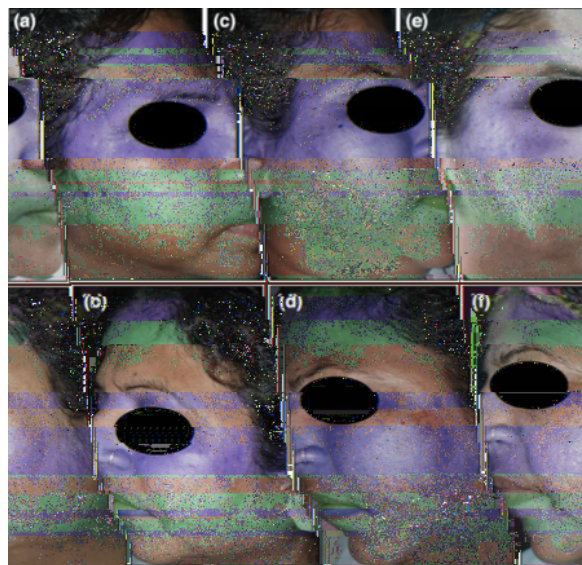


Figure 4. Improvement in lesions treated 250 mg of TA twice a day + fTCC. (a,b) baseline: mMASI = 15.6; (c, d) 4th week: 7.5 (51.9%), (e, f) 8th week: 5.1 (67.3%)

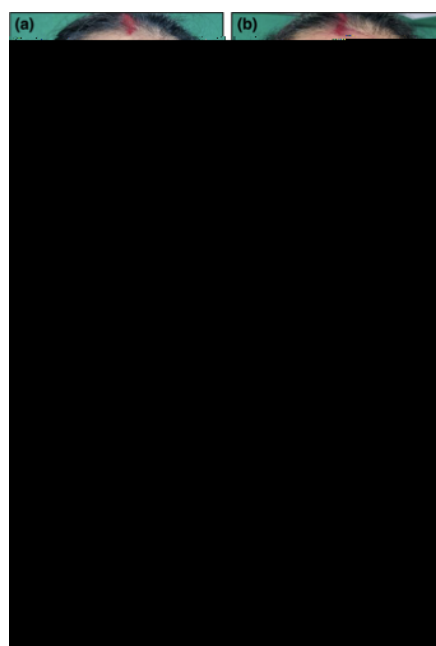


Figure 5. Improvement in a patient treated with lactic acid + fTCC. a) baseline: mMASI = 3.6; (b) 4th week: 1.8 (50%); (c) 12th week: 1.2 (67%); (d) 24th week: 1.2 (67%)

CONCLUSION

BIBLIOGRAFI

- Tranexamic Acid And Platelet Rich Plasma In The Treatment Of Melasma: Efficacy And Safety*
- Cosmetic Dermatology* 20 *Journal Of*
- Journal Of Aesthetic Medical College, Abbotabad: JAMC* 33
- Cosmetic Dermatology* 16 *Journal Of*
- Bioscience Medicina: Journal Of Biomedicine And Translational Research* 5
- Chinese Journal Of Chemical Engineering* 28
- Journal Of Clinical Dermatology And Therapy*
- American Journal Of Clinical Dermatology* 21
- Journal Of The European Academy Of Dermatology And Venereology* 34
- Clinical And Experimental Dermatology* 45
- Singapore Health Services*

And Therap 7 *Journal Of*
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Safe Of Topical H droq inone 2% And
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Journal Of
Derma olog Research Re ie s &
Repor s. SRC/JDMRS-138. DOI: Doi.
Org/10.47363/JDMRS/2021 (2) 132

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Derma olog 18

Derma olog
Research And Prac ice 2018

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Comparison Of 4% Topical
H droq inone Vers s Combina ion Of
Oral Trane amic Acid And 4% Topical
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