

CRYSTAL TOMATO®
WHITENING SUPPLEMENT
SKIN CLARITY CREAM
ADVANCED FORMULATION

*Study On Melasma &
Crystal Tomato® Products*

National Skin Centre, Singapore
Oct 2013 - May 2014



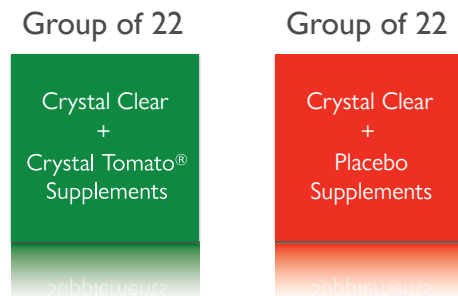
CRYSTAL TOMATO®

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PROTOCOL

- 44 patients with melasma, prototype III and IV
- 95% of the patients have previously undergone, without achieving the desired outcome, industry standard therapies - including the “gold standard” TTT (Triple Topical Therapy), topical Hydroquinone 4% and even oral Tranexamic Acid
- Double-blind randomized study conducted between October 2013 and May 2014
- All patients received a SPF 50 sun protection cream



- One group of 22 patients received the topical cream (Crystal Clear Skin Clarity Cream) and active supplements (Crystal Tomato[®] Supplements)
- The other group of 22 patients also received the topical cream (Crystal Clear Skin Clarity Cream), but were instead given placebo supplements identical in form and colour to Crystal Tomato[®] Supplements
- Patients were assessed at onset (Day 0), after 2 months (Day 56) and after 3 months (Day 84)
- Evaluation of the modified Melasma Area and Severity Index (mMASI) by a dermatologist, measurement of the Mexameter[®] Melanin and Erythema Indexes, photography (VISIA[®]) were carried out

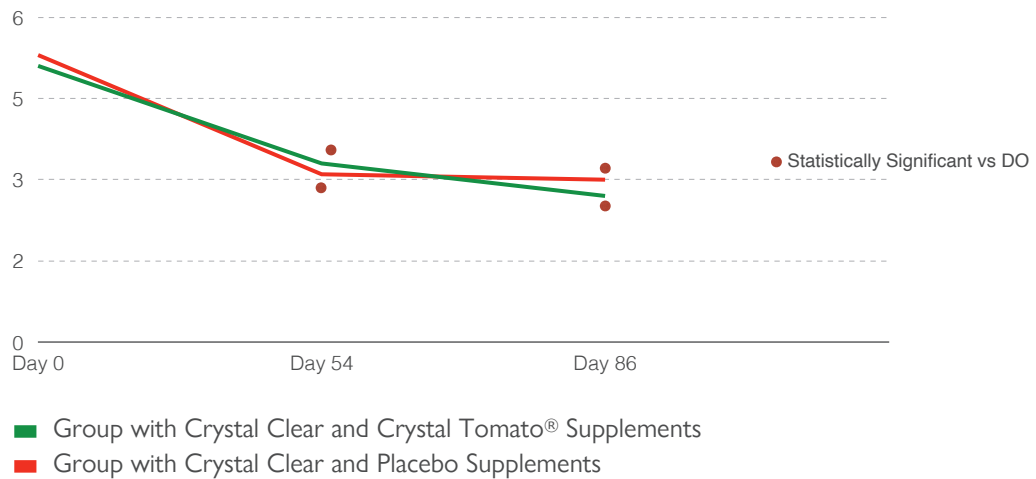
RESULTS: mMASI

- The mMASI score decreased in both groups after 56 and 84 days
- The index continued to decrease between Day 56 and Day 84 in the group that was also given Crystal Tomato[®] Supplements

mMASI CHANGES

	Visit 2 - Visit 1	Visit 3 - Visit 1	Visit 3 - Visit 2
Received Crystal Tomato [®] Supplements	-1.8	-2.4	-0.6
p value	0.001	<0.001	0.083
Received Placebo Supplements	-2.2	-2.3	-0.2
p value	0.001	<0.001	0.365

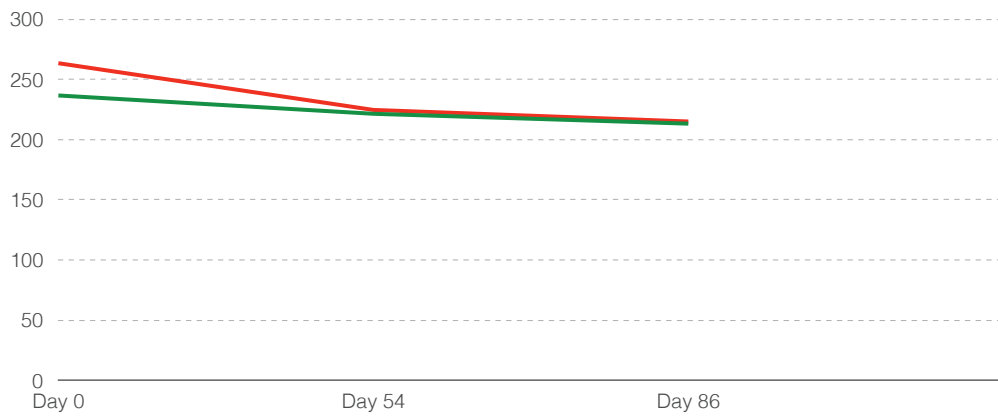
mMASI SCORES



RESULTS: MELANIN INDEX

- Reduction of the melanin index in both groups after 56 days, continuing after 84 days

Melanin Index



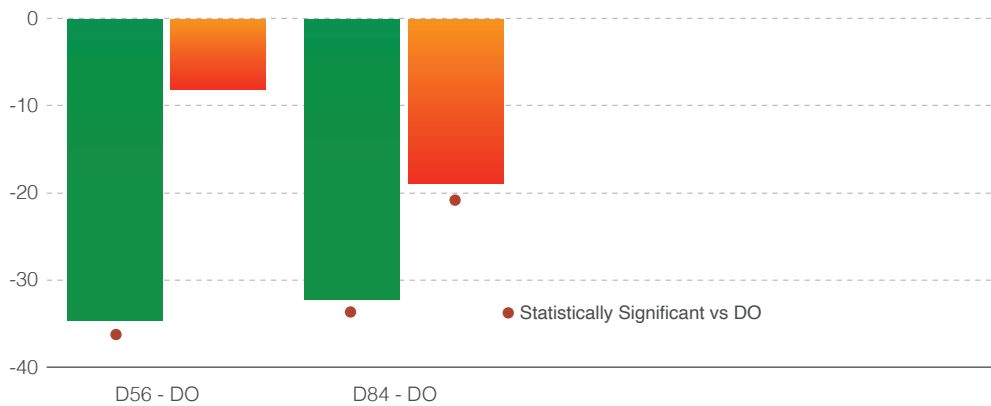
- Group with Crystal Clear cream and Crystal Tomato[®] Supplements
- Group with Crystal Clear cream and Placebo Supplements

RESULTS: ERYTHEMA INDEX

- Significant decrease in the erythema index after 56 days, continuing after 84 days in the group that also received Crystal Tomato[®] Supplements
- Significant decrease in the erythema index after 84 days in the group that also received the Placebo Supplements

Erythema Index

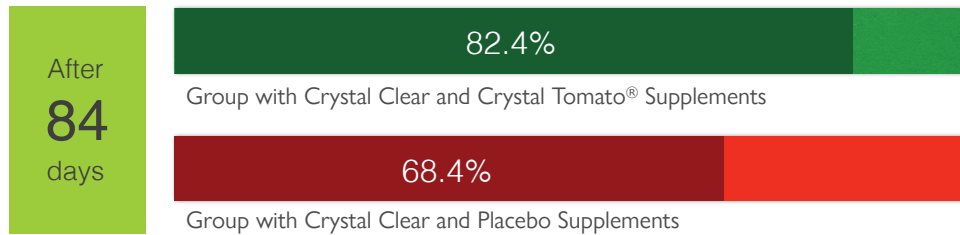
	Visit 2 - Visit 1	Visit 3 - Visit 1
Received Crystal Tomato [®] Supplements	-34.6	-32.1
p value	0.044	0.018
Received Placebo Supplements	-8.1	-18.9
p value	0.327	0.020



- Group with Crystal Clear and Crystal Tomato[®] Supplements
- Group with Crystal Clear and Placebo Supplements

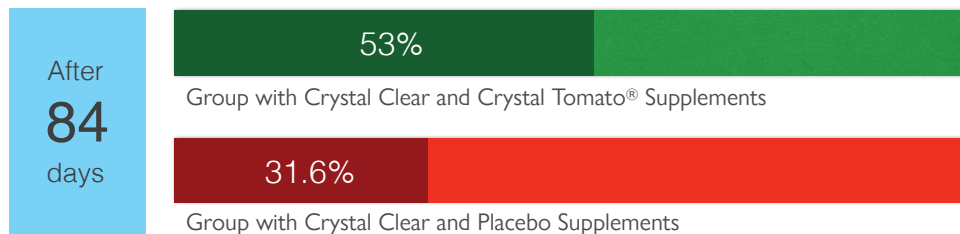
PERCENTAGE OF PATIENTS WITH mMASI IMPROVEMENT OF MORE THAN 25%

Percentage of group with mMASI score reduced by more than 25%



After 84 days, the percentage of patients with improvement of more than 25% increased to 82.4% of the group that was given Crystal Tomato[®] Supplements while the percentage of the group with the Placebo Supplements remained unchanged from Visit 2 (56 days)

PERCENTAGE OF PATIENTS WITH mMASI IMPROVEMENT OF MORE THAN 50%



The reduction was more than 50% after 84 days in 53% of the group that also received Crystal Tomato[®] Supplements vs 31.6% of the group that received Placebo Supplements

CONCLUSIONS

- Strong significant decrease in mMASI scores in patients of both groups with a higher decrease noted in the group that was also given Crystal Tomato[®] Supplements
- Strong directional decrease in the group that was also given Crystal Tomato[®] Supplements between the 2nd and the 3rd visit
- Improvement in Mexameter[®] melanin score in both groups
- Improvement in Mexameter[®] erythema score in both groups but higher in the group that was also given Crystal Tomato[®] Supplements
- A large number of patients benefited from a significant reduction in mMASI score with the use of the topical cream (Crystal Clear Skin Clarity) that was given to both groups
- However, the reduction was greater and earlier in the group that was also given Crystal Tomato[®] Supplements

CLINICALLY PROVEN

- Crystal Clear Skin Clarity Cream is proven to be highly effective in the treatment of melasma, achieving significant results where industry “gold standard” TTT had not been able to attain the desired outcome for 95% of the patients
- Crystal Clear Skin Clarity Cream can thus be regarded as a new benchmark for the topical treatment of melasma
- However, the additional use of Crystal Tomato[®] Supplements in the treatment increases and prolongs that effectiveness
- Crystal Tomato[®] Supplements, a one-a-day oral supplement, + Crystal Clear Skin Clarity topical cream are an exciting and proven new treatment for melasma patients