

ORIENTAL TEA COMPLEX



INTRODUCTION OF PRODUCT



In Korea, as most people generally enjoy various teas, not only tea leaves but many other plants are used as tea. Flowers, fruits, leaves, roots and tree barks of various plants are enjoyed as tea. Oriental Tea Complex is a special blend composed of 6 different teas popular in Korea. They are persimmon leaf, cinnamon bark, Japanese mugwort leaf, Chrysanthemum flower, Chinese quince fruit, and green tea leaf. Oriental Tea Complex was processed by low temperature ultrasonic extraction method to prevent the destruction of heat unstable active compounds of raw materials. Oriental Tea Complex shows excellent anti-oxidant and anti-wrinkle effects.

INCI NAME: Diospyros Kaki Leaf Extract

PLANT STORY: PERSIMMON LEAF



Diospyros kaki, commonly known as Asian persimmon, is a deciduous tree native to China. The fruits can be eaten fresh, dried, raw, or cooked. In Korea, the leaves have been traditionally enjoyed as tea in Korea due to its high content of vitamin C and polyphenols. Drinking persimmon leaf tea is known for reducing swollen, puffy face, for detoxifying body, and immune enhancing. Scientific researches revealed that the polyphenols isolated from persimmon leaf have anti-wrinkle effect and tyrosinase inhibition effect.

INCI NAME: Cinnamomum Cassia Bark Extract

PLANT STORY: CINNAMON BARK



Cinnamomum cassia is commonly called as Chinese cinnamon widely cultivated in southern and eastern Asia. Its aromatic bark is used as a spice in culinary purposes, and also used in Traditional Chinese Medicine as one of the 50 fundamental medicinal herbs. Cinnamon bark was known for various bioactive functions including antioxidant, anti-bacterial, anti-inflammatory, and anti-diabetic activities. In Korea, it is used not only as a medicine but also as a tea, especially during winter due to its warming properties.

INCI NAME: Artemisia Princeps Leaf Extract

PLANT STORY: JAPANESE MUGWORT LEAF



Artemisia princeps, also called Japanese mugwort, is a perennial plant growing in East Asia. In spring, the young aromatic leaves are harvested and used in the preparation of many foods including; rice cake, soup, and tea. Traditionally, Japanese mugwort has been used as a herbal medicine to treat circulatory disorders, cancer, ulcers, and digestive disorders. It is known for improving blood circulation due to its warming properties. It was also reported to have anti-microbial, anti-inflammatory, and antioxidant activities.

INCI NAME: Chrysanthellum Indicum Extract

PLANT STORY: CHRYSANTHEMUM FLOWER



Chrysanthemum is a perennial herb with small yellow flowers, widely spread throughout East Asia including Korea, Japan, and China. The flowers have been traditionally used as a tea as they are edible and have strong aroma. Drinking chrysanthemum flower tea is generally considered as a folk medicine for treating common cold. Due to its anti-inflammatory properties, it has been used for various inflammatory diseases and skin problems in folk medicines. The scientific researches showed that it has antioxidant, anti-inflammatory, and anti-microbial activities.

INCI NAME: Chaenomeles Sinensis Fruits Extract

PLANT STORY: CHINESE QUINCE FRUIT



As Chinese quince fruit is hard and astringent, it is not generally consumed as fresh fruit. It is more suitable for making liquors and marmalade. In Korea, Sliced and preserved in honey or sugar, Chinese quince fruit is generally enjoyed as a tea due to its pleasant aroma. This tea is a folk remedy for treating sore throat.

It is reported that the fruit contains flavonoids and triterpenes. And various activities were also reported including anti-bacterial, anti-oxidant, and anti-inflammatory effects.

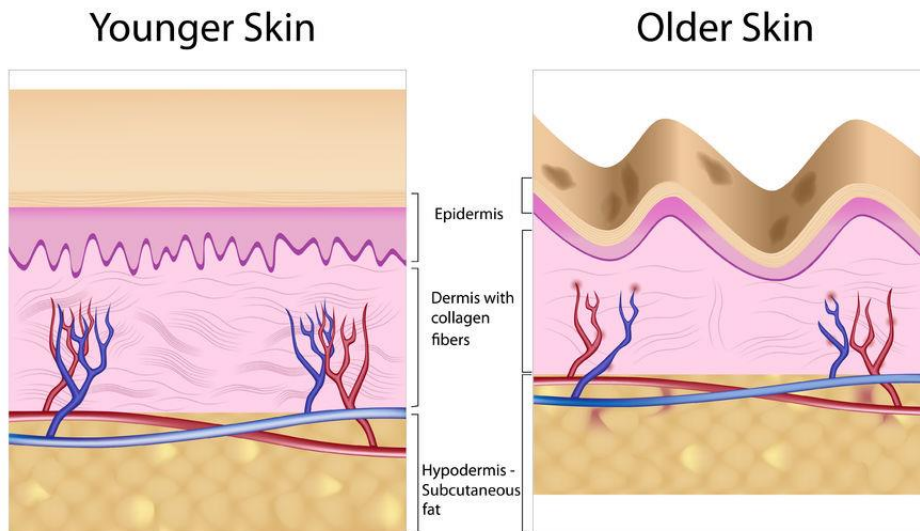
INCI NAME: Camellia Sinensis Leaf Extract

PLANT STORY: GREEN TEA LEAF



Green tea is the most popular tea in East Asia, which have undergone minimal oxidation during processing. Green tea has become a raw material used in beverages, health foods, dietary supplements, and cosmetic products. There are numerous scientific studies conducted into the health benefits of green tea. Green tea contains various bioactive compounds including polyphenols, alkaloids, and vitamins. The primary active components of green tea polyphenols are catechins and flavonoids. Green tea is reported to have anti-microbial, anti-inflammatory, and antioxidant activities.

SKIN AGING AND WRINKLE FORMATION



Skin aging is noted by

- a decrease of elasticity
- formation of wrinkles and fine lines
- degradation of collagen
- thinner and weaker skin
- damaged connective tissues

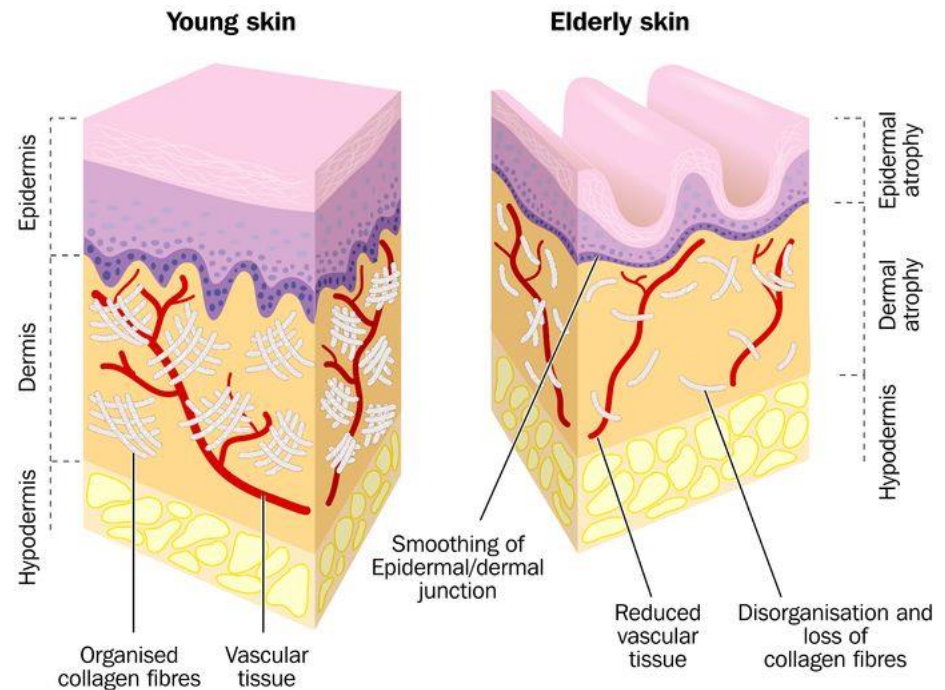
Skin changes with increasing age due to both intrinsic and extrinsic factors. Intrinsic skin aging is determined by genetic factors, hormonal status and metabolic reactions such as oxidative stress. One of the most important extrinsic skin aging is induced by UV radiation by sun exposure, referred to as *photoaging*. Smoking cigarettes and environmental pollution are also important factors in premature skin aging and wrinkle formation

ANTI-WRINKLE MECHANISM

- 🌿 Boosting collagen synthesis
- 🌿 Inhibiting collagen degradation
- 🌿 Inhibiting elastin degradation
- 🌿 Increasing fibroblast proliferation

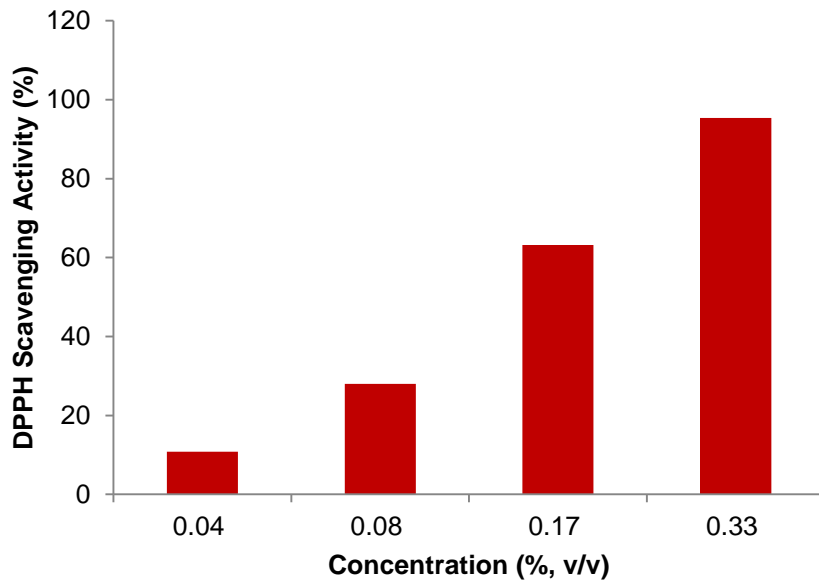


- 🌿 Preventing wrinkle formation
- 🌿 Increasing skin elasticity
- 🌿 Wrinkle improvement

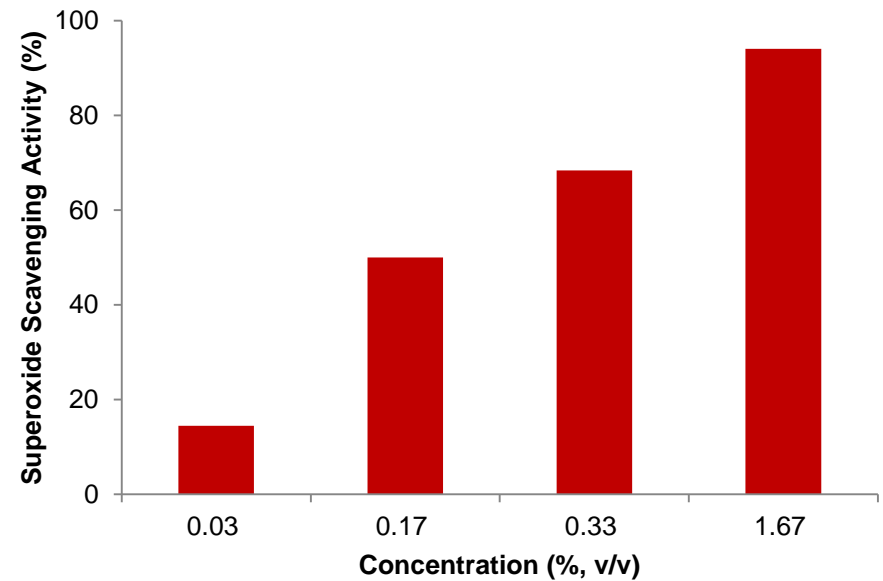


IN VITRO EVALUATION: ANTI-OXIDANT


 **Anti-oxidant Effect**
DPPH Scavenging Activity



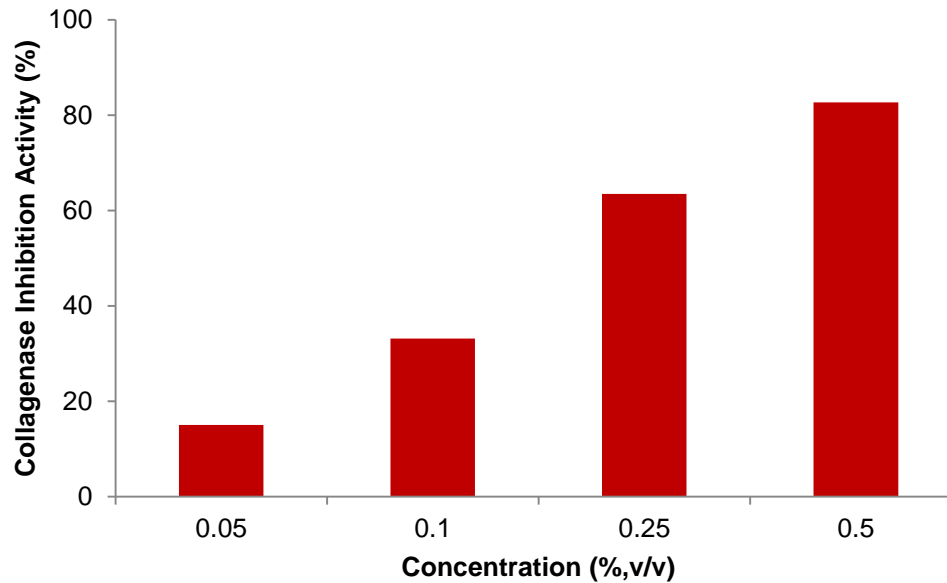
 **Anti-oxidant Effect**
Superoxide Anion Scavenging Activity



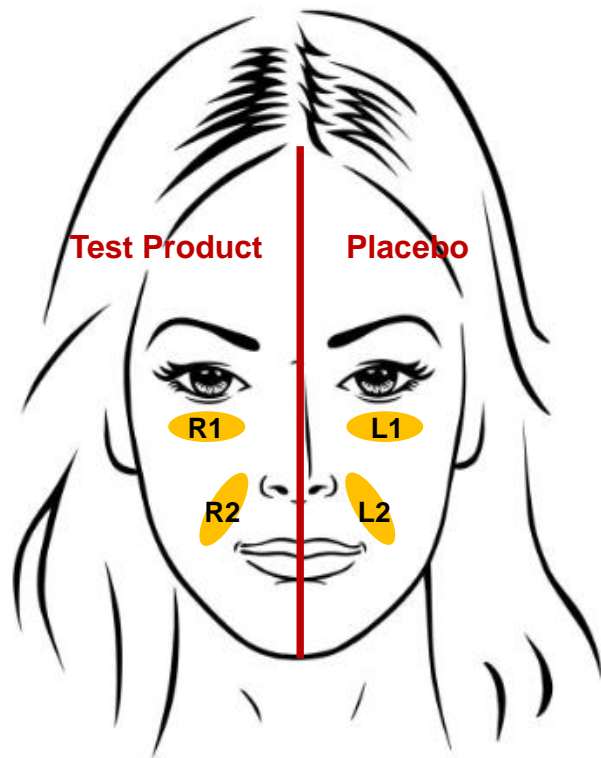
IN VITRO EVALUATION: ANTI-WRINKLE



Anti-wrinkle Effect
Collagenase Inhibition Activity

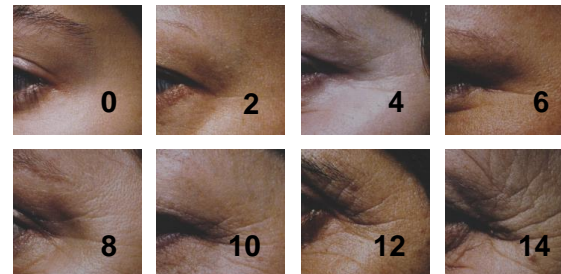


IN VIVO EVALUATION: ANTI-WRINKLE



- Target site: R1, L1 - Canthus
R2, L2 - Nasolabial folds
- Subjects: 21 female aged between 45 to 65 years old
- Test item: Cream with 3% Oriental Tea Complex
- Application: Twice a day for 8 weeks
- Test instrument: Cutometer - Elasticity
Visioline - Wrinkle
- Dermatologist's evaluation:

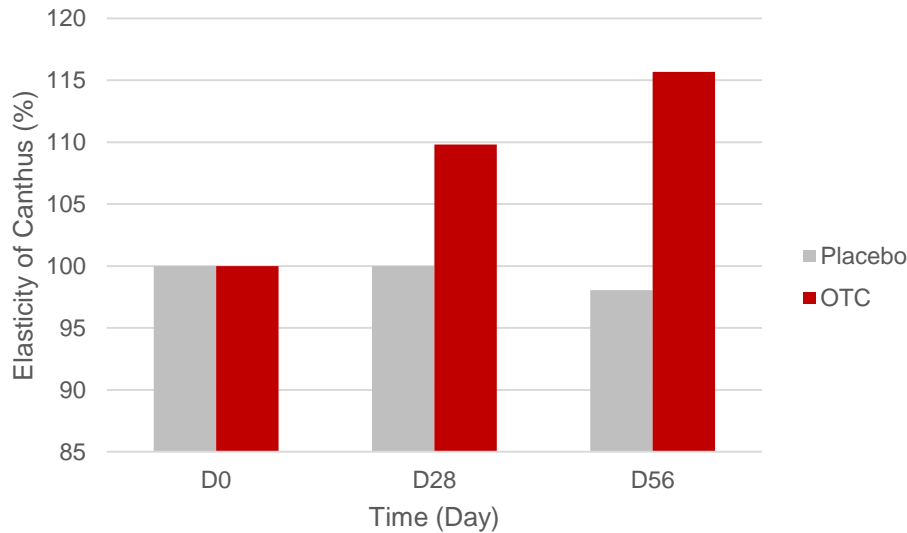
- Scoring reference:



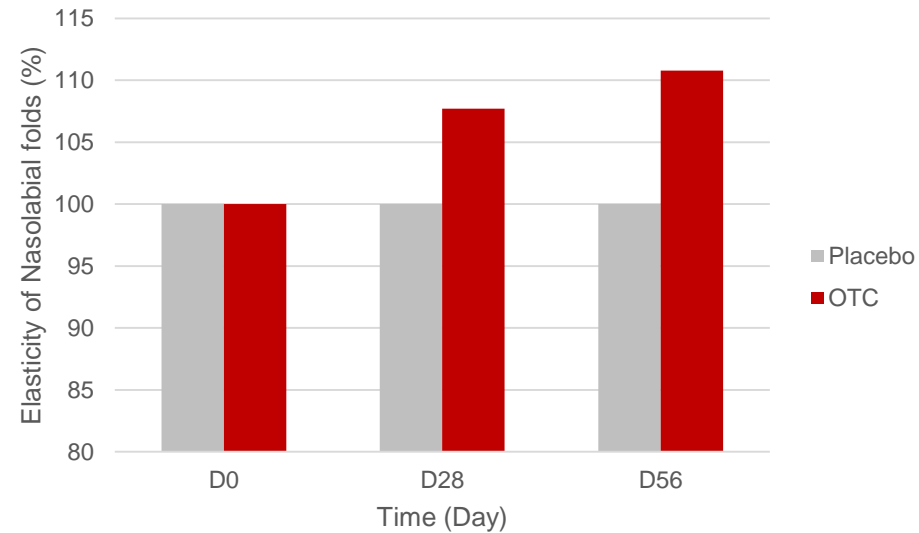
IN VIVO EVALUATION: ANTI-WRINKLE - SKIN ELASTICITY



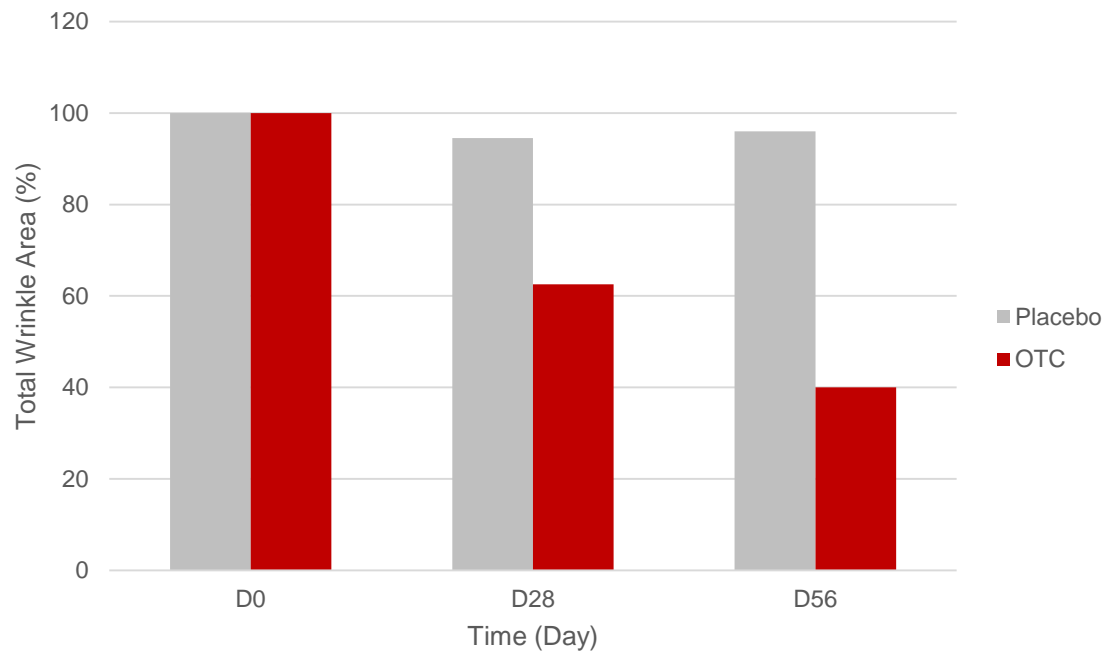
Elasticity of Canthus




Elasticity of Nasolabial folds

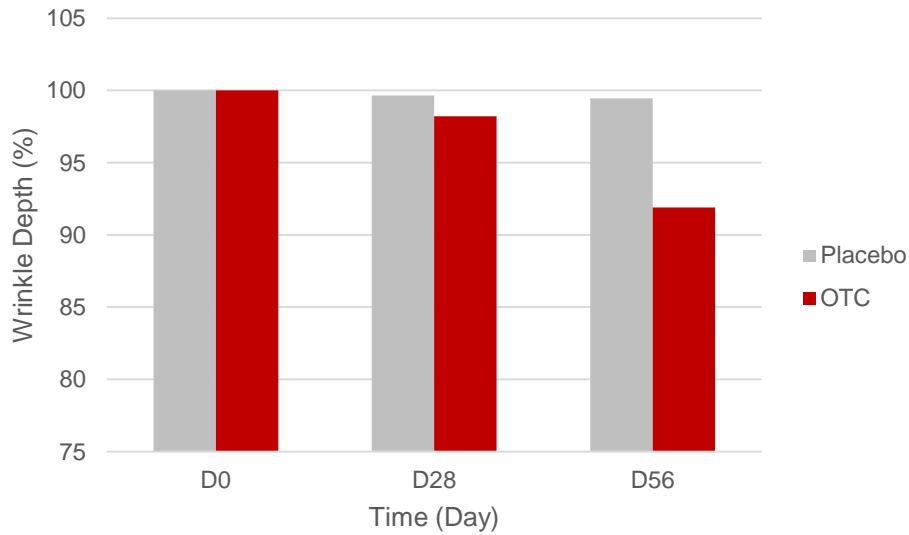


IN VIVO EVALUATION: ANTI-WRINKLE - TOTAL WRINKLE AREA

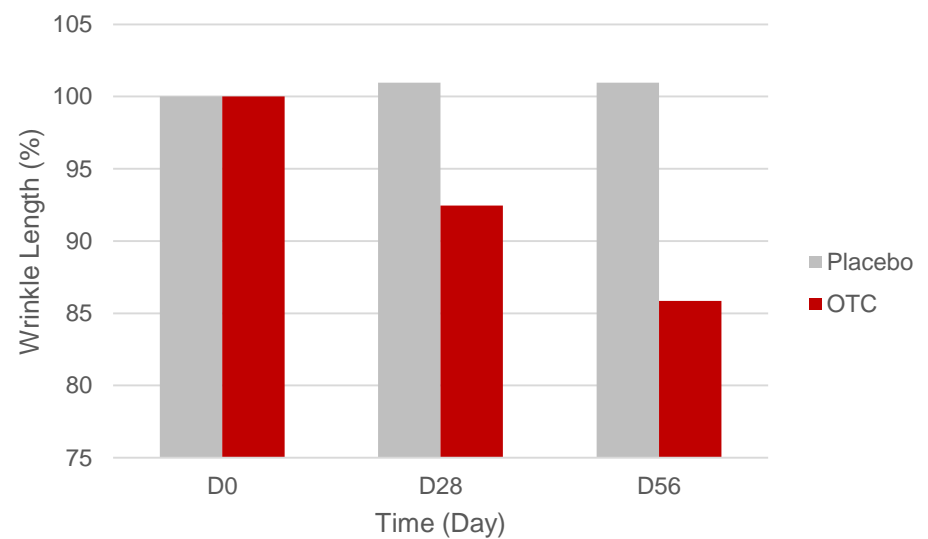


IN VIVO EVALUATION: ANTI-WRINKLE - WRINKLE DEPTH AND LENGTH

 Wrinkle Depth

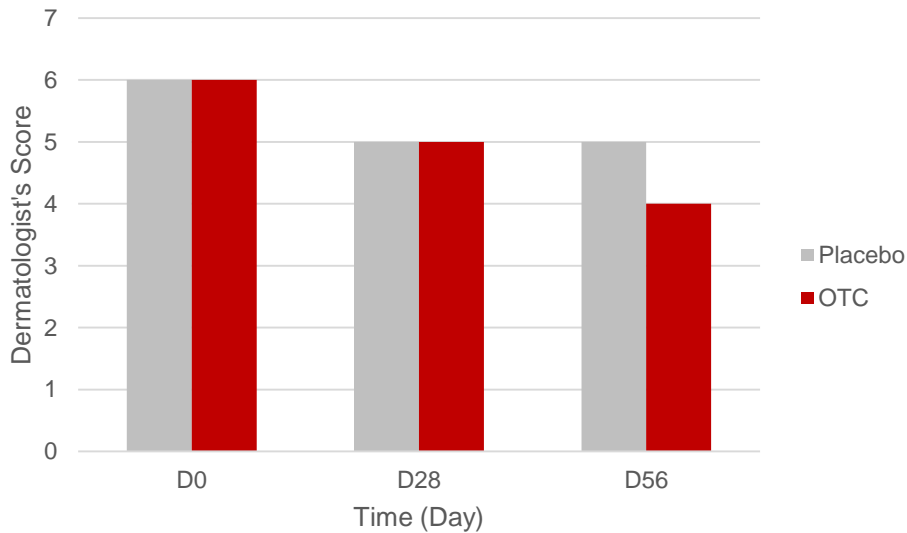


 Wrinkle Length

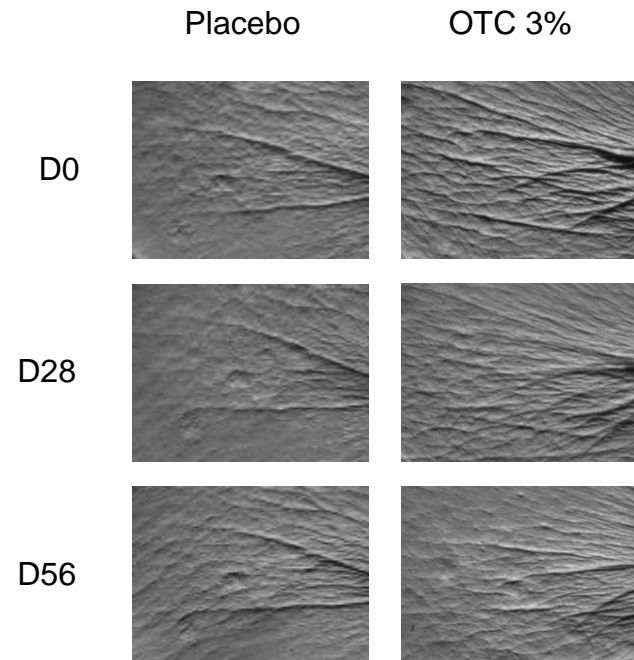


IN VIVO EVALUATION: ANTI-WRINKLE - VISUAL EVALUATION






Dermatologist's Score



Visual Evaluation




MARKETING POINTS


-  Special tea blend with 6 popular teas in Korea
-  Excellent antioxidant activity
-  Skin rejuvenation
-  Wrinkle reduction
-  Increase in skin elasticity


PRODUCT INFORMATION

 **Product Name:** Oriental Tea Complex,
Oriental Tea Complex(PD)



 **INCI Name:** Diospyros Kaki Leaf Extract, Cinnamomum Cassia Bark Extract,
Artemisia Princeps Leaf Extract, Chrysanthellum Indicum Extract,
Chaenomeles Sinensis Fruit Extract, Camellia Sinensis Leaf Extract

 **Dosage:** 2 – 4%

 **Formulation:** Add to the formulation when the temperature is lower than 55°C.
Recommended to add after the cooling process.

 **Storage:** Avoid direct light or UV. Keep it in a cool and dry area.

The one who knows natural products

Go for

Nature,

Go with

Natural Solution!

"We are always upgrading to serve you better"

