

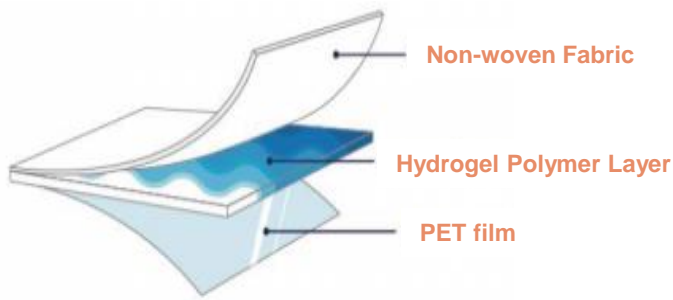
UNDER EYE-CARE PATCH

WOOSHIN LABOTTACH CO., LTD.

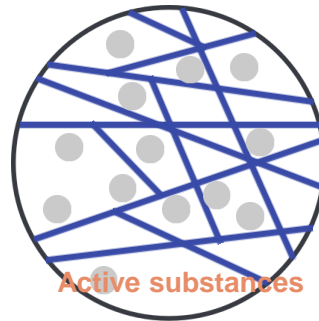


HYDROGEL PATCH

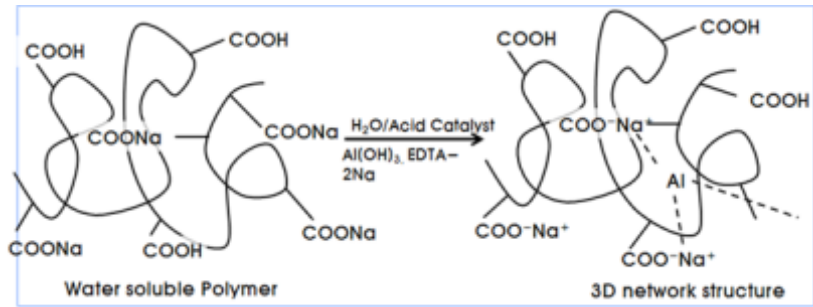
ADVANTAGES OF PATCH-TYPE



↑ Schematic of hydrogel patch



↑ Hydrogel containing various active substances



- A gel having water as its main content is called hydrogel.
- The hydrogel can be formed by chemically cross-linked polymers.
- Its hydrating capability could help to avoid skin irritation.
- The outstanding adhesiveness of itself enables attachment without any other adhesive material.

PRODUCT CONCEPT

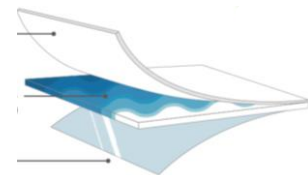
- **Under eye Patch**

- For intensive care of dark skin under the eyes which helps to make a bright skin effectively
- It provides moisture consistently to skin as hydrogel patch and can improve skin elasticity.
- Rejuvenating patch that is effective on saggy area under eye area.

▶ It is a convenient patch to use while wearing a mask by closely fitting the skin around the mouth, cheeks, and chin to the area.

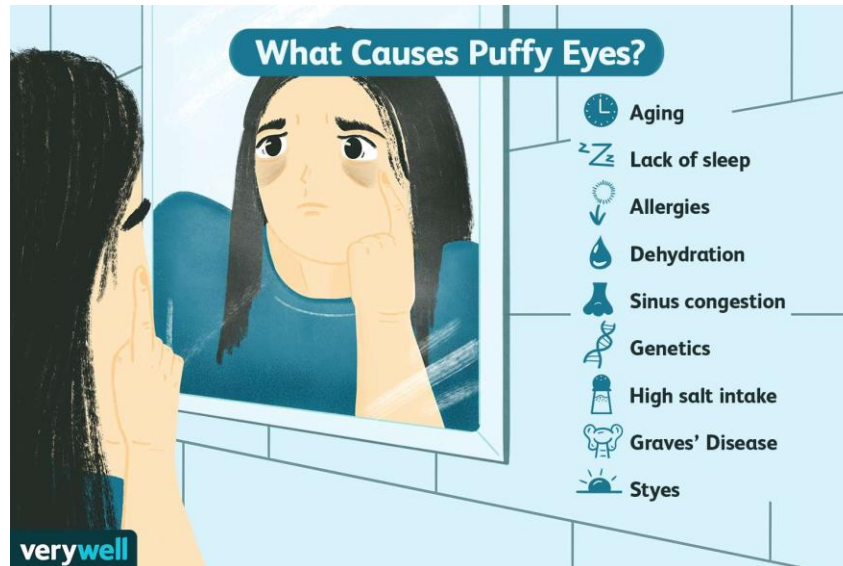
The patch color is similar to skin color, so you can use in daily life.

Hydro -
Matrix patch



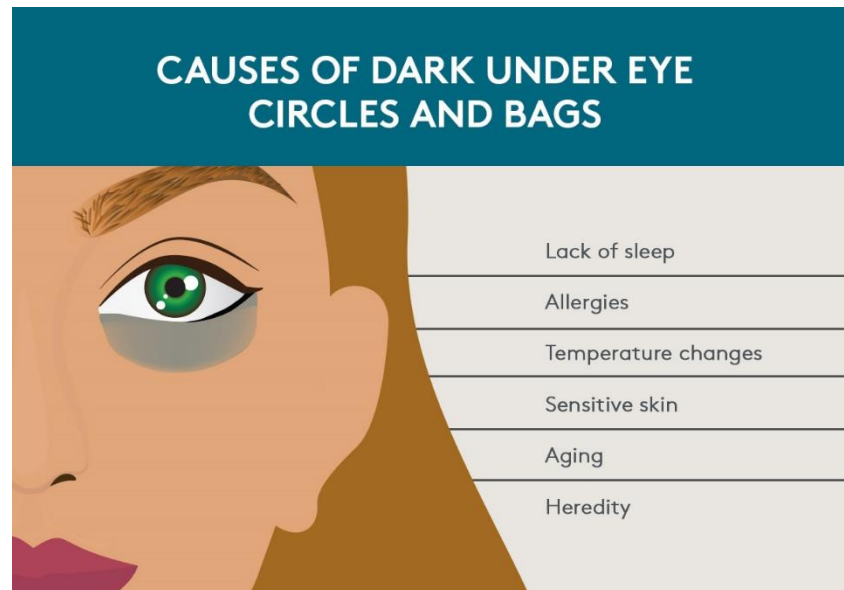
ABOUT SWOLLEN EYES

Swollen eyelids, or swelling around the eyes, is an inflammatory response to allergies, infection or injury. Eyelid swelling can happen with just one eye or both eyes. Eye puffiness is usually related to lack of sleep, age-related sagging of tissue and general water retention.



ABOUT DARK CIRCLES

Dark circles under the eyes are usually caused by being tired. Sometimes, what appear to be dark circles under your eyes may merely be shadows cast by puffy eyelids or hollows under your eyes that develop as a normal part of aging.



ACTIVE INGREDIENTS

- **Under Eye Patch**
 - **Citrus flavonoids**
 - Relief of facial swelling
 - **Stevisse solution**
 - Anti-wrinkle, Skin healing
 - **Niacinamide**
 - whitening
 - **Saururus chinesis extract**
 - Soothing effect, moisturizing, Anti-oxidant

INGREDIENT PROPERTIES OF STEVISSE SOLUTION

- Stevia leaf-based extract, obtained through subcritical water extraction technology from organic leaves, that presents a retinoid-like mechanism able to reduce the appearance of lines and wrinkles for a younger-looking skin.
- In vitro, upregulated the expression of genes HMOX1, TXNRD and OSGIN1 by 954%, 209% and 261% respectively, which may increase cellular resistance to oxidative stress.
- Decreased matrix metalloproteinases, responsible for collagen degradation, by downregulation the expression of the genes MMP1 and MMP3 by 85% and 69%, respectively.
- Minimized pro-inflammatory gene expression involved in skin inflammation pathways, by downregulating the gene PTCS2 by 65%.
- Applied in vivo at 2%, it improved the appearance of the crow's feet region by reducing wrinkle area(16.5%) and wrinkle length(17.0%)

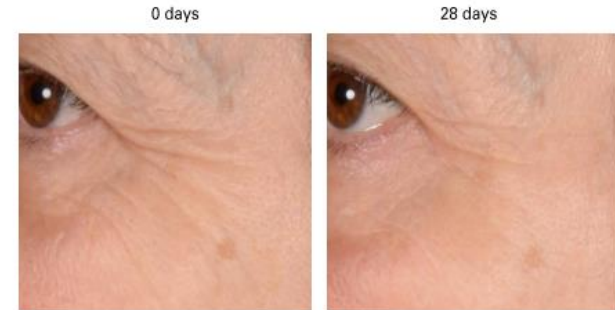


Fig. 8. Photography of a volunteer before and after the treatment.

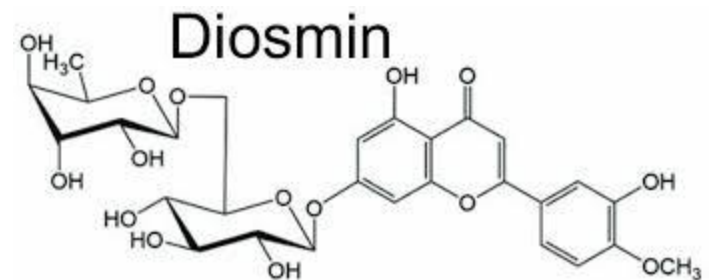


Fig. 9. Photography of another volunteer before and after the treatment.

Visible attenuation of the crow's feet wrinkles for a younger-looking appearance.

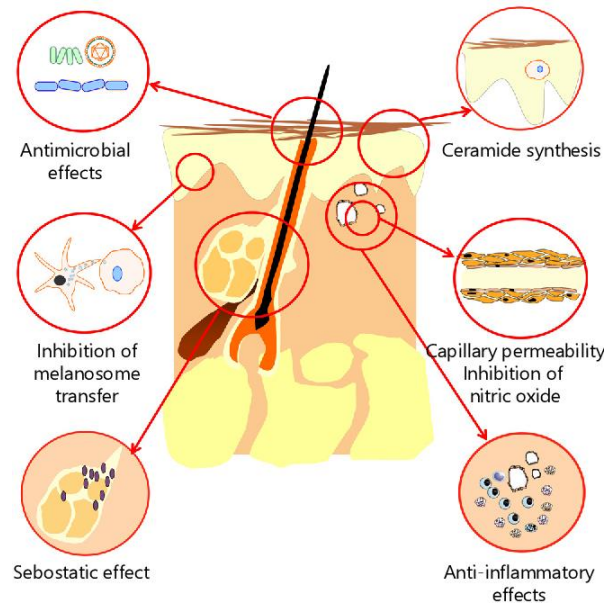
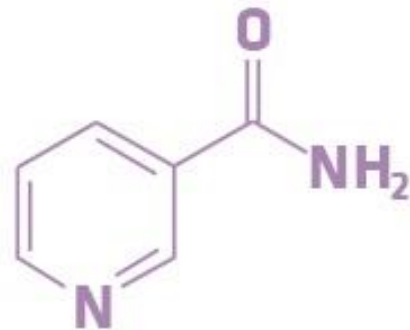
INGREDIENT PROPERTIES OF DIOSMIN

- Diosmin is a type of plant chemical that is primarily found in citrus fruits. It is used to manufacture medicines to treat disorders of the blood vessels, such as varicose veins, poor circulation in the legs, bleeding in the eye or gums.
- Most often, diosmin is used in combination with hesperidin. Hesperidin is also a plant chemical. Diosmin works by reducing inflammation, pain and swelling by restoring normal vein function.



INGREDIENT PROPERTIES OF NIACINAMIDE

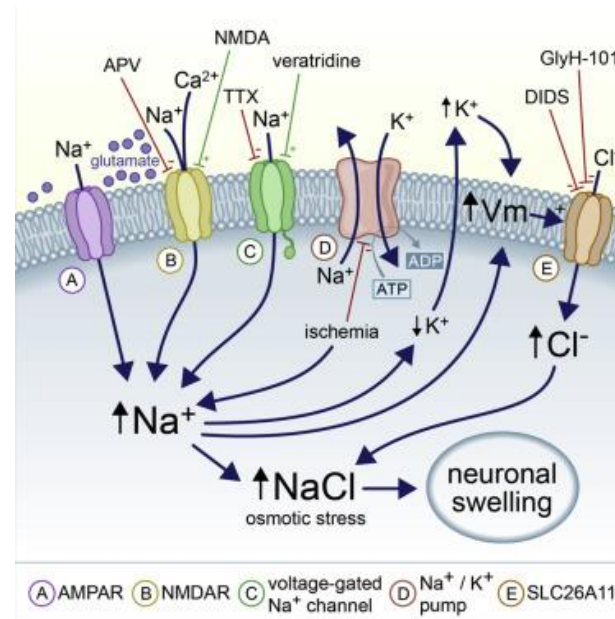
Niacinamide or nicotinamide is a form of niacin or vitamin B3.



Skin problems: Niacinamide stimulates keratin and collagen synthesis. This plays a pivotal role in reducing wrinkles, dark spots, acne, and pigmentation.

INGREDIENT PROPERTIES OF SAURURUS CHINESIS EXTRACT

Saururus chinesis extract contains high concentration of potassium (K).



Edema can occur when people consume many sodium (Na) or lack of potassium (K).

Potassium in Saururus chinesis extract could help edema relief.

INSTRUCTION

1. Thoroughly clean and dry face.
2. Remove release liner from the patch and apply them under your eyes.
3. Leave the patch for minimum 4 hours to get effect.

(The patch can be used for maximum 8 hours.

It is recommended to use overnight for continuous absorption of ingredients.)

4. To remove the patches, slowly peel off from the edges.



PRODUCTION FACILITY

- **WooShin Labottach, Korea**
 - Dedicated to Produce for Hydrogel Patch
 - ISO-13485 for Medical Devices
 - Korean FDA Medical Device GMP
 - Produced by Class-D Clean Zone
 - Several Inspections by KFDA and other EU companies



THANK YOU!