

Anti-aging secret story

**Biodegradable**  
micro needles  
purely made of  
**hyaluronic acid**



by ptn healthcare GmbH



# Beaucros

Beaucros, innovative beauty device, is safe, painless, fast and highly effective to use anytime, anyplace.

Beaucros Patch S 3.1, Anti-Aging Secret Story, helps for reducing by using one time in every 3 nights.

Beaucros Patch S 3.1 maximize the skin regeneration effects by delivering active ingredients, Hyaluronic Acid and EGF, deep into the skin efficiently and recovers skin vitality by stimulating the skin inside.

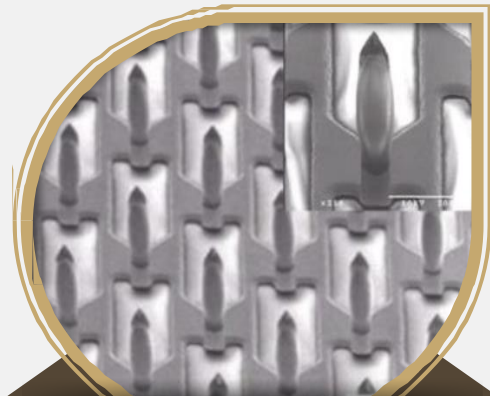
Beaucros Patch S 3.1, one patch has anti-aging active ingredient same as one bottle of other cosmetic, shows a dramatic improvement in skin.



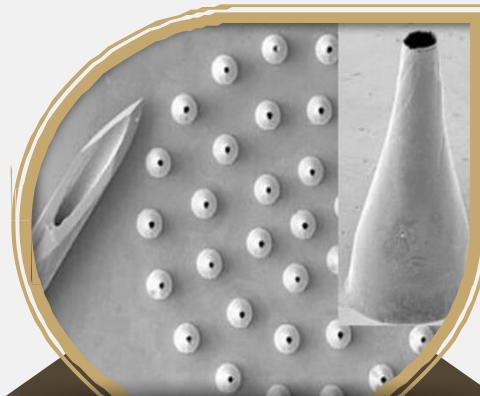
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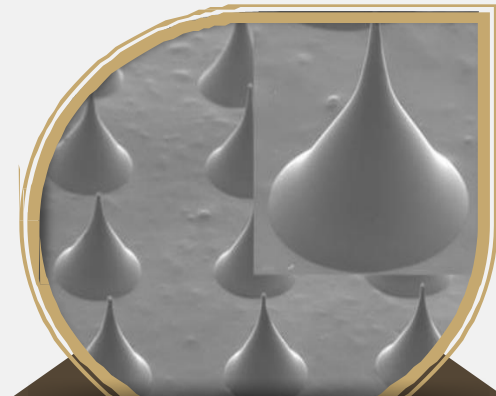
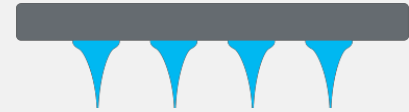
## Classification of micro needles



**Solid  
Microneedle**



**Hallow  
Microneedle**



**Dissolving  
Microneedle**

Hollow

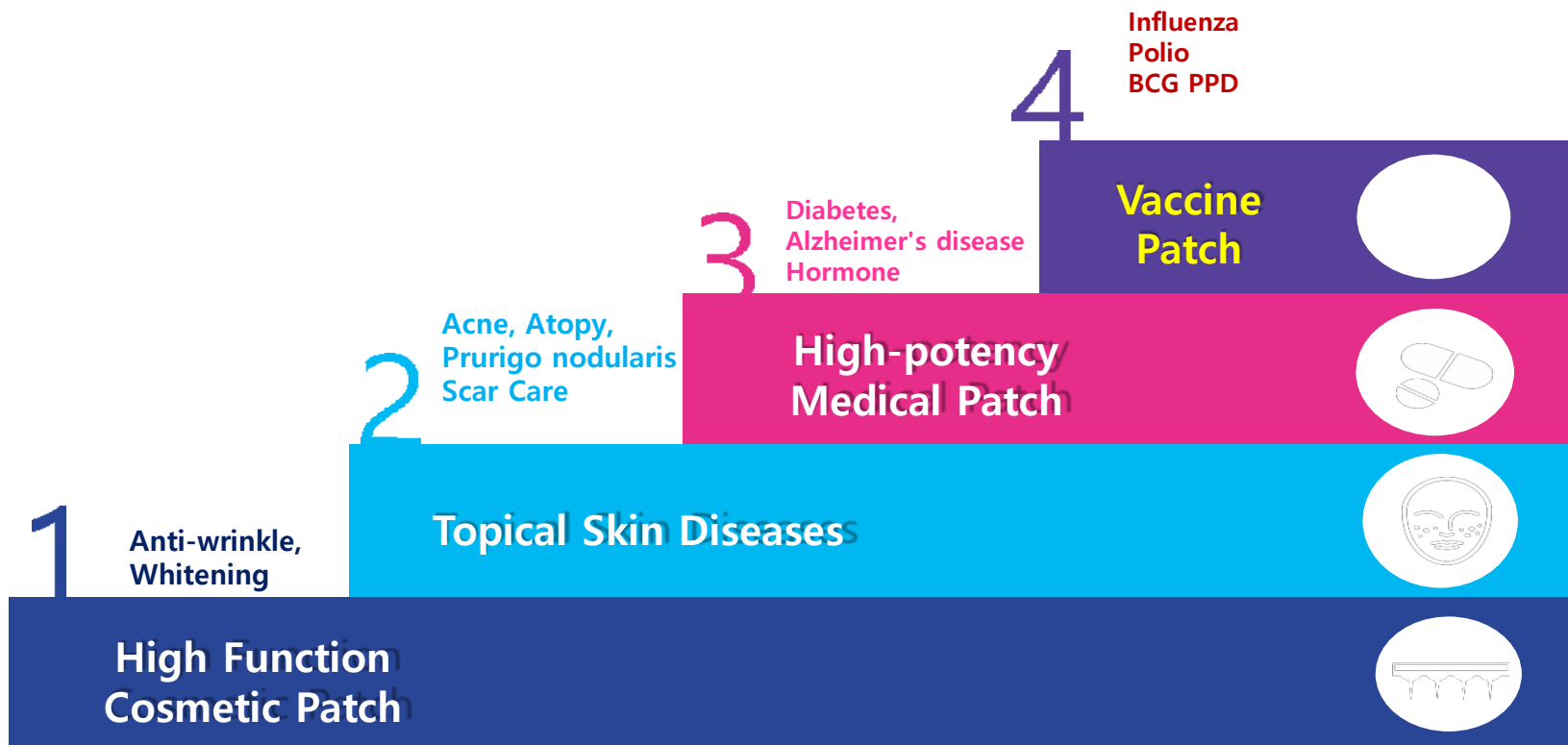
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## Applications of Micro needle patches



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## Beaucros: Advantage of Microstructure

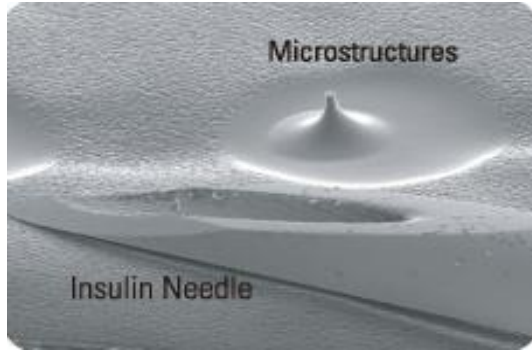


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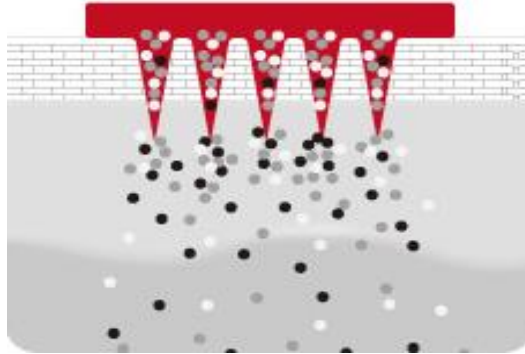
## Why Use the Microstructure Patch?

### Painless



Microstructures patch is only  $\frac{1}{4}$  the size of a human hair, patients will barely even notice it passing through their skin

### Highly Effective



The microstructures penetrate through the dead skin to deliver H.A and E.G.F deep into the skin.

One patch has anti-aging active ingredient almost same as one bottle of other cosmetic, it shows a dramatic improvement in skin

### Safety



The patch, on her hand achieved a perfect safety score in 10 categories redness, keratin, rash, itching, heat, hot flashes, and pain etc..

(Test agency Ellead Co., Ltd, 8-week study of 23 patients)



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## How to Use the 'Patch S3.1'

How to use  
the Beaucros  
'Patch S3.1'



Anytime



Anywhere



Any Occasion



**①** After washing your face before bedtime, tear open the pouch with dry hands and then remove the patches from the transparent container.



**②** Carefully remove the white protective films. Do not touch the delicate microstructures.



**③** Position the patch over the area you wish to treat, and apply firmly.



**④** Vertically push the center of the patch with your fingers several times.



**⑤** Remove the patches in the morning.

### Important Reminders!

- Wait until all lotions and toners are fully absorbed before applying an Smart Filler patch.
- When you apply a patch, do not rub it from side-to-side – push it down vertically.
- Attach the patches before going to sleep for maximum effect.
- Once applied, do not remove and reattach the patch. Leave the patch undisturbed until treatment has finished.
- The residue left on the skin after removing the patch is hyaluronic acid. Gently clean it off or wash it with water.
- Do not attach the patches to the face when you have make-up on, as it can cause skin complications.



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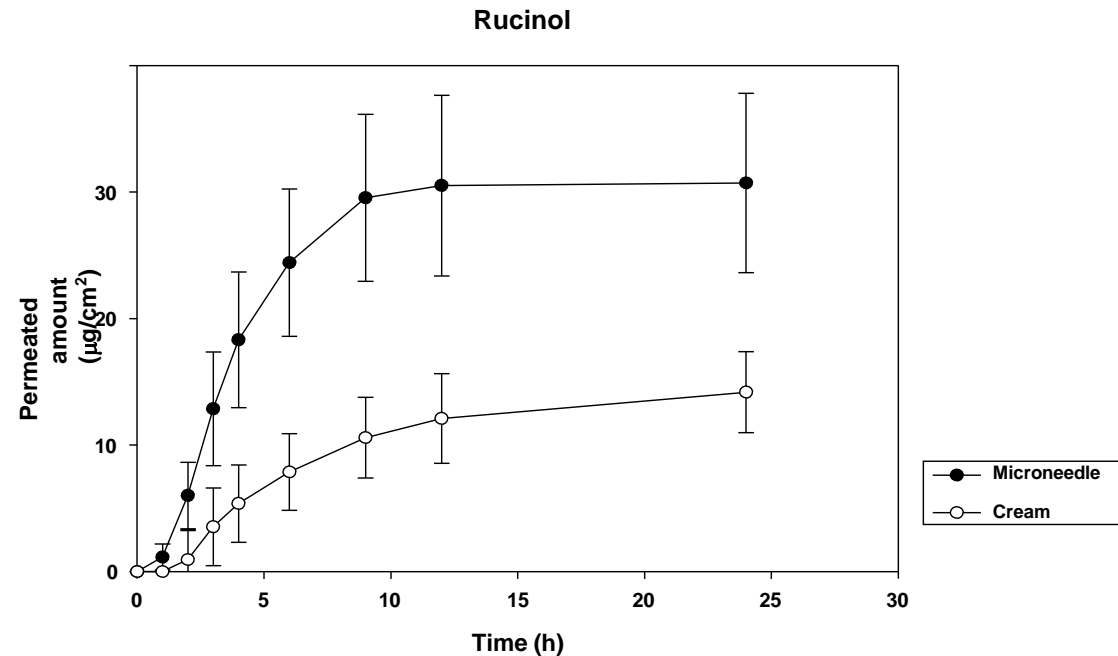
## Ex-vivo mini pig skin permeability test

### Rucinol Cream VS. Rucinol Microneedle Path

- Rucinol contents:  $73.08 \pm 13.21 \mu\text{g}$ <sup>40</sup>
- Test method: Diffusion Cell Test
- Results

Rucinol cream- 35% for 24 hrs

Microneedle-75% for 9 hrs



Microneedle is more increased 8.7 times Skin permeability in Steady state



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## In-vitro Artificial skin permeability test

Protocol No: RapCS 2016-01

- Loaded ingredient: Ascorbic acid 2 glucoside,  $75.135 \mu\text{g}/\text{cm}^2$ 
  - ✓ Control group: Needleless patch formulation
  - ✓ Experiment group: Micro-needle patch formulation
- Test system: Diffusion cell

## Results

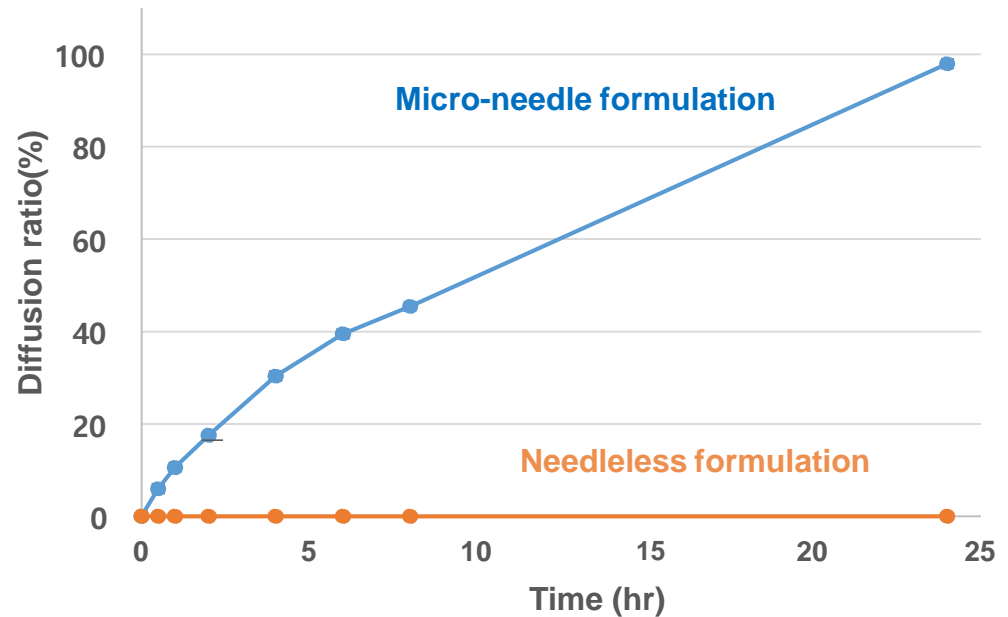
[AA2G skin transfer ratio]

Control group: No transfer

Experiment group:

transferred 45% / 8hrs

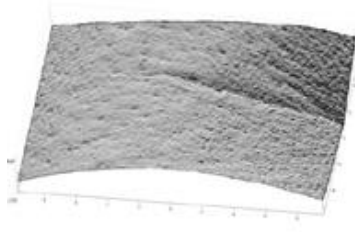
98% / 24hrs



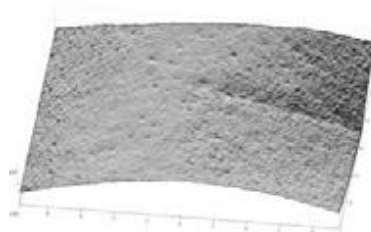
## The Efficacy of the 'Beaucros'

Patient: K\*M (45age Female)

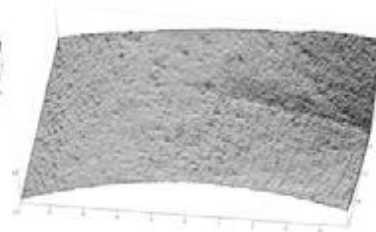
Before



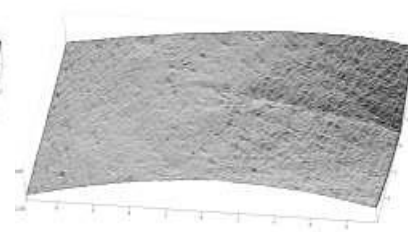
1week



2week

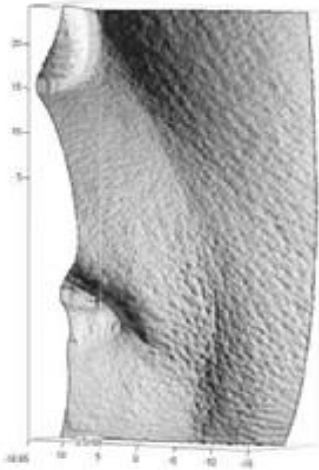


4 week



Patient: P\*E (47age Female)

Before



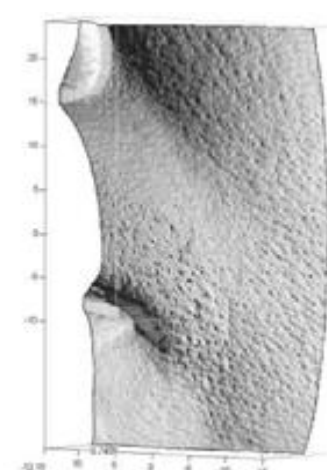
1week



2week



4week



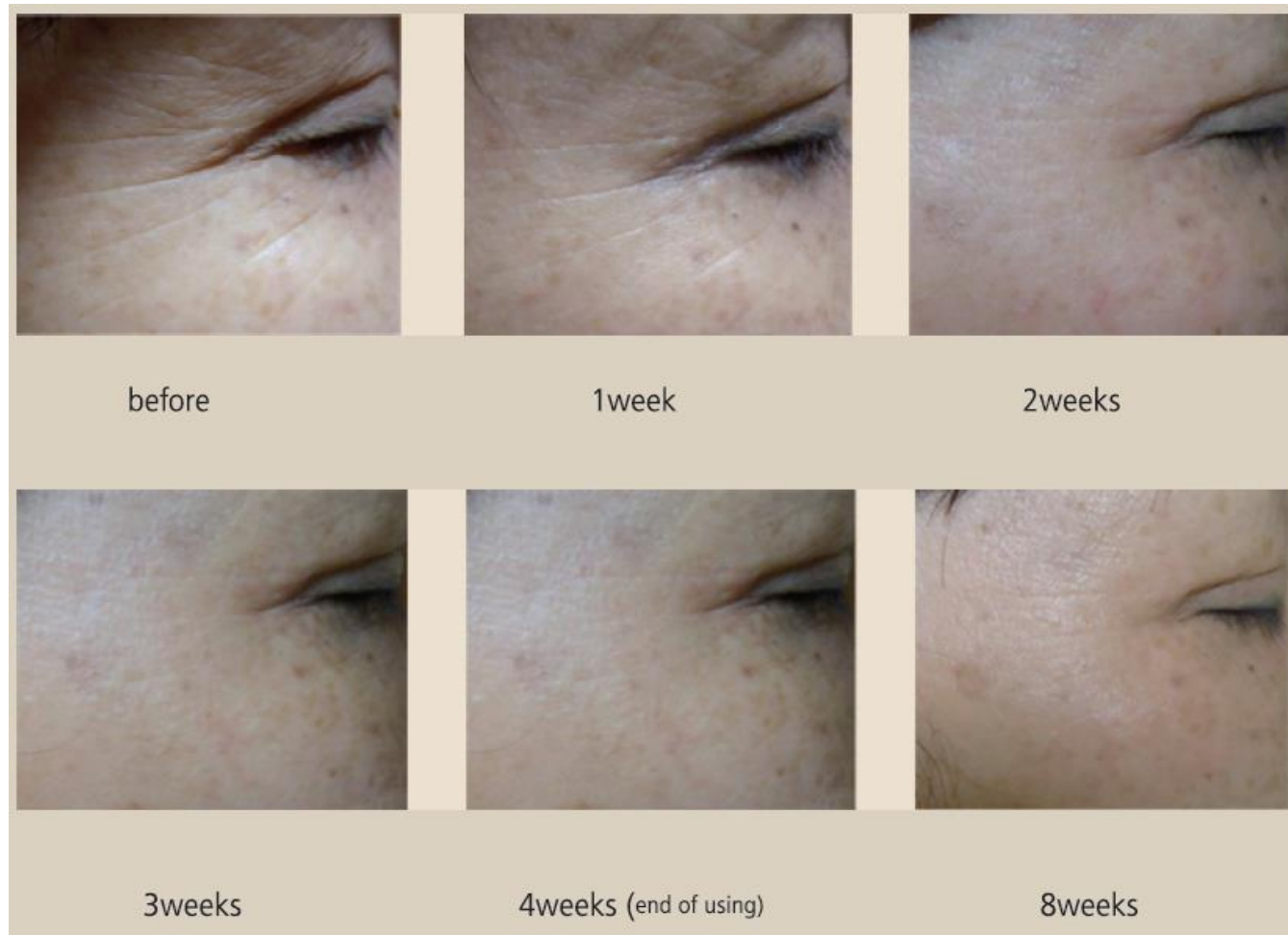
3D Images after using Beaucros Patch S 3.1



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## The Efficacy of the 'Beaucros'



- 50's Female patients who has used 'Patch 3.1' every 3 days for 4 weeks.



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## The Efficacy of the 'Beaucros'



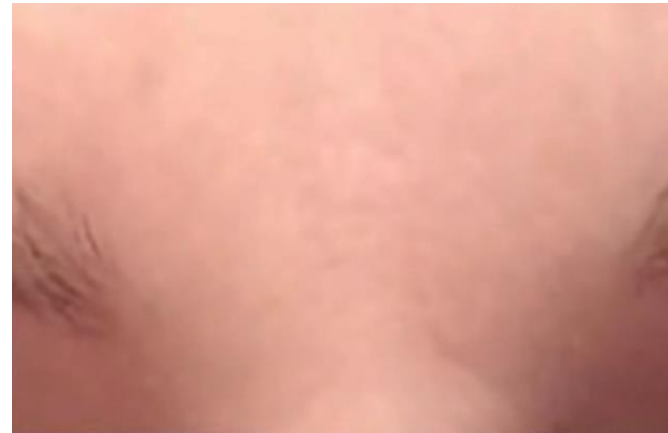
Before



After



Before



After



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## Beaucros: Patch Line Up



S 3.1 Eye Line



S 3.1 Smile line



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**Thank you!**

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