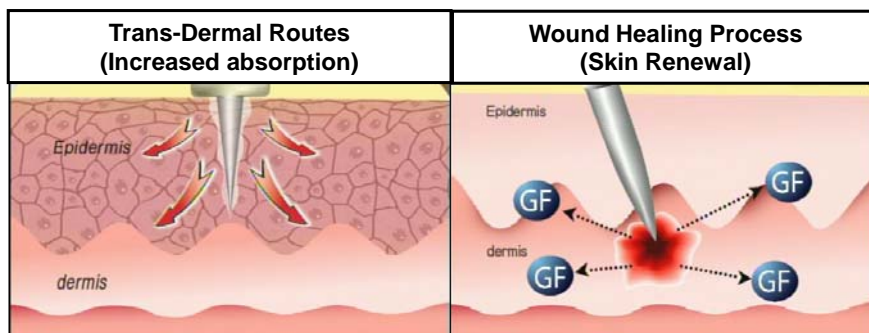




Diskneedle Therapy System (DTS)

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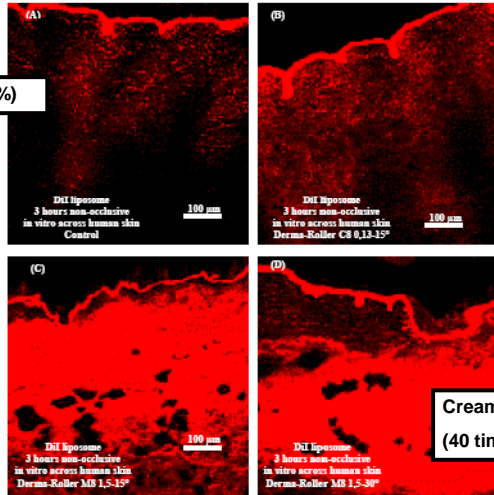
What is Skin Needling



Best Anti-Aging Tool
Non-Surgical instrument
Dynamic Usage / application

Absorption Study

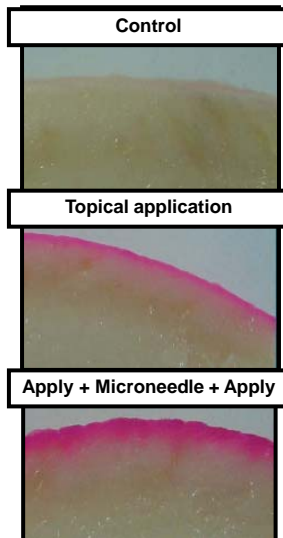
Normal Creaming (0.3%)




Creaming + Needling
(40 times increased)

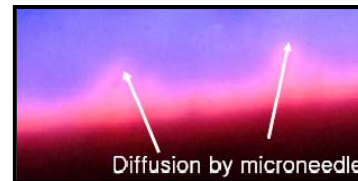
Source 1: Current Drug Delivery, 2004, 1, 81-92, S.E. Cross and M.S. Roberts
 Source 2: Confocal laser scanning microscopy study using... D.D.Verma and A.Fahr, Institut für pharmazeutische technologie und biopharmazie, Philipps-Universität Marburg

Absorption study



- Summary
 - Rhodamine B base (Aldrich) 0.005M
 - Applying condition 100ul / cm²
 - Size: 10x10mm (total 36 pieces)
 - Tissue: pig skin (dermal thickness 3.16mm)
 - Microneedling:  repeat twice
 - 20 minutes after application

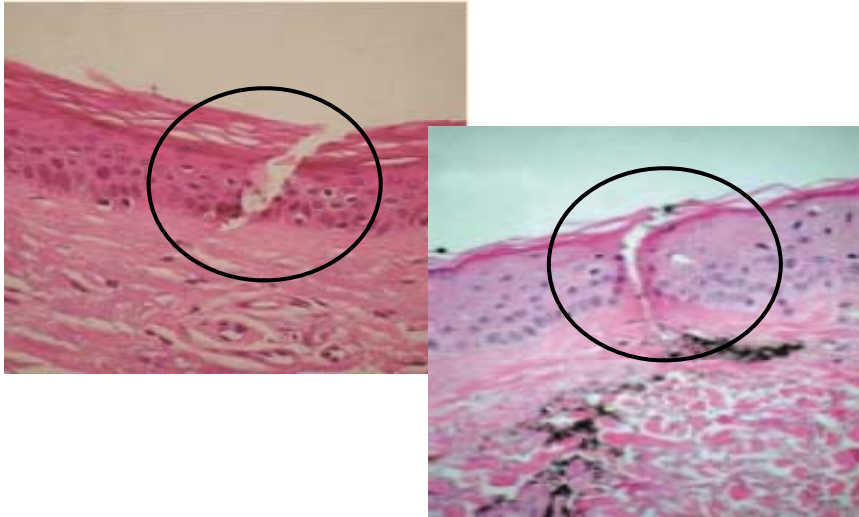
• Source: Prof. Kim Beom Joon, Department of Dermatology, Dongguk University International Hospital, Seoul, Korea



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Florescent photography 16x
Olympus CKX41

Microscopic Images

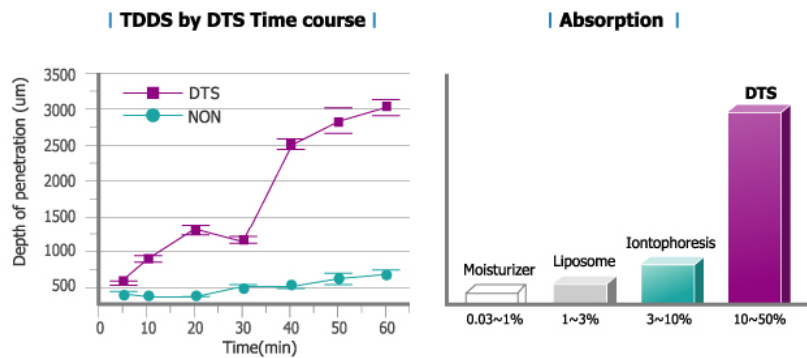


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5

Increased Absorption

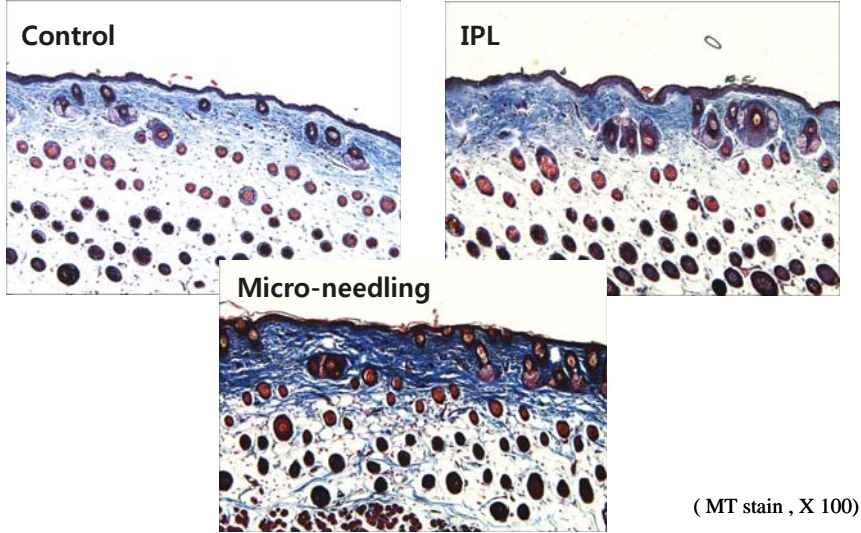
- Micro trans-cellular channels dramatically increases the absorption rate of active ingredients of applied topical products



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6

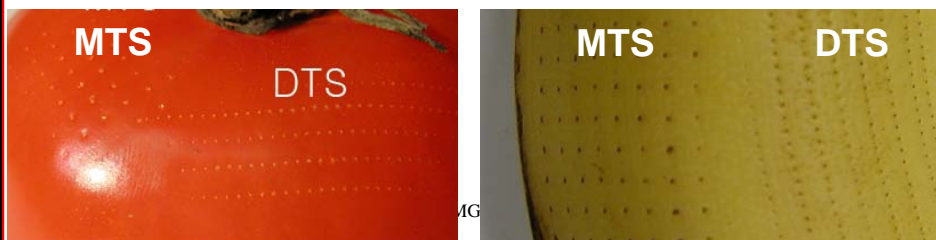
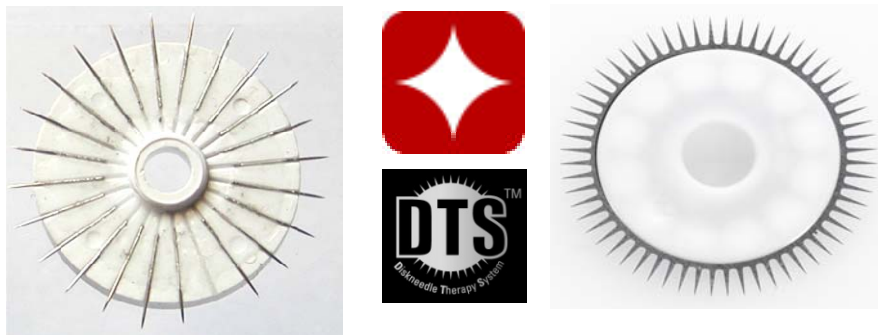
Collagen



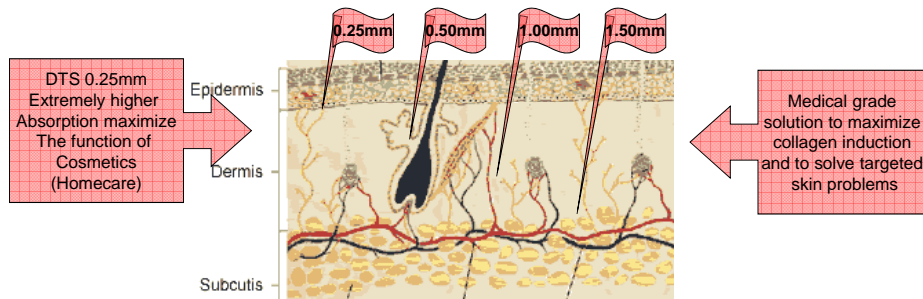
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7

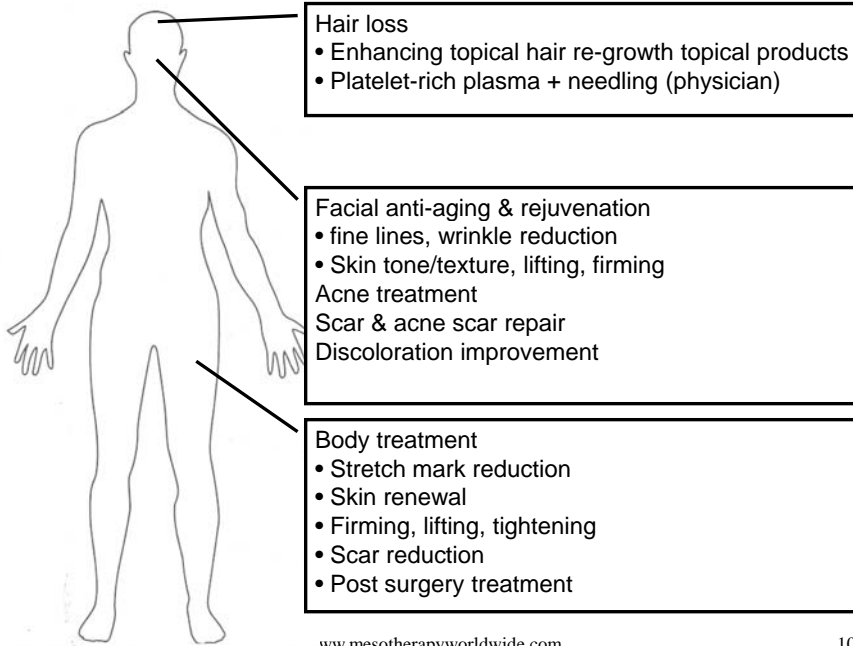
Diskneedle vs. Others



DTS Application



Needle length	Class	Mechanism	Application
1.5/2.0mm	Medical	Increase absorption	Wrinkle, Acne scar, scar, lifting, body lifting, firming, burn scar, stretch mark, tone and texture, pore
1.0mm		Natural Collagen Induction	
0.5mm	Professional	Increase absorption Natural Collagen Induction (mild)	Pigmentation, fine wrinkle, hair loss
0.25mm	Personal	Increase absorption	Maximize the function of cosmetics (e.g. wrinkle cream, eye serum, whitening cosmetic and etc.



Before & After



June 2008



September 2008

Homecare User



June 2008



September 2008

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13

Pore / Tone



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14

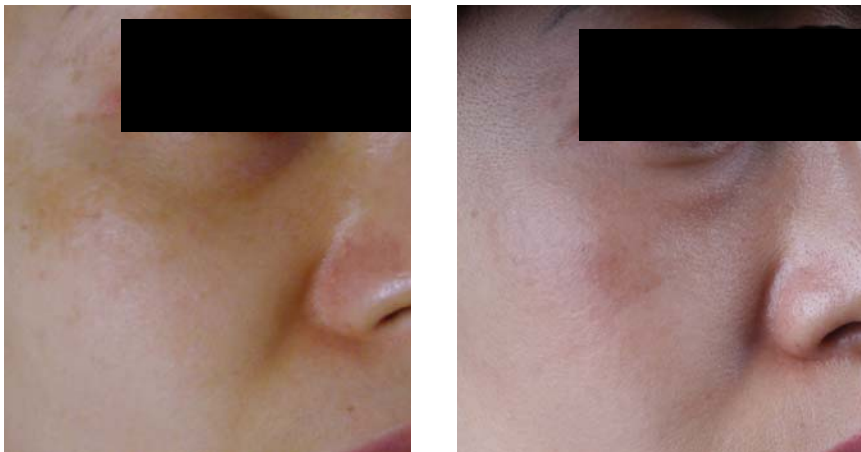
Pigmentation/Fine wrinkle



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15

Pigmentation/Fine wrinkle



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16

Pigmentation



Sex: F
Age: In mid-40
Application: Pigmentation
Type: M100SW(1.0mm)
Time: 2 weeks * 4Times



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17

Pigmentation



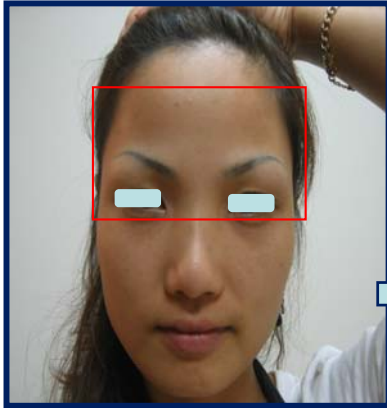
Sex: F
Age: in mid-30
Application: Pigmentation
Type: M100SW(1.0mm)
Time: 2weeks * 6Times



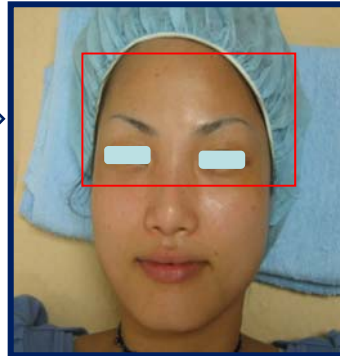
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18

Pigmentation



Sex: F
Age: In mid-20
Application: Pigmentation
Type: M100SW (1.0mm)
Time: 2 weeks * 2 Times



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19

Acne scar



Sex: F
Age: In mid-20
Application: Acne Scar
Type: M150SW (1.50mm)
Time: 4 weeks * 3 Times



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20

Scar



Sex: F
Age: In mid-20
Application: Scar
Type: M150SW (1.50mm)
Time: 4 weeks * 1 Times



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21

Scar



Sex: F
Age: in mid-20
Application: Scar
Type: M150SW(1.50mm)
Time: 4 weeks * 1 Times



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22

Fine Wrinkle & Lifting



Sex: F
Age: in Mid-50
Application: Fine Wrinkle & Lifting
Type: M100SW (1.0mm)
Time: 2 weeks * 4 Times



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23

Scar



Sex: M
Age: In early 20
Application: Scar
Type: M150SW (1.50mm)
Time: 4 weeks * 3 Times



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24

Stretch Mark



Sex: F
Age: In mid-30
Application: Stretch Mark
Type: M150SW (1.50mm)
Time: 4 weeks * 2Times

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25

Stretch Mark

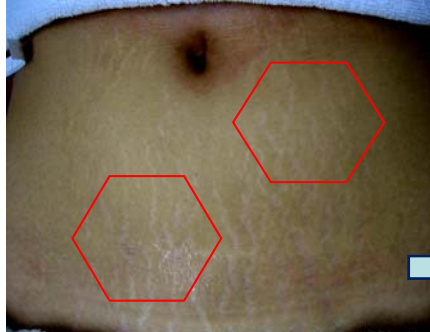


Sex: F
Age: In mid-40
Application: Stretch Mark
Type: M150SW (1.50mm)
Time: 4 weeks * 4Times

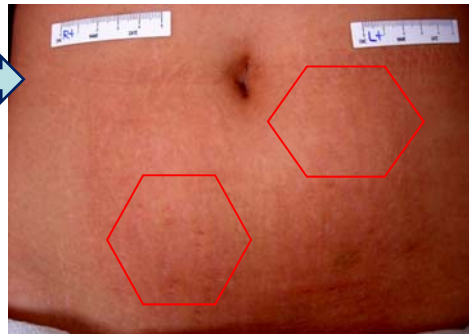
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26

Stretch Mark



Sex: F
Age: In mid-30
Application: Stretch Mark
Type: M150SW(1.50mm)
Time:4 weeks * 3Times



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27

DTS 1.5mm (1 week)



- Left Cheek

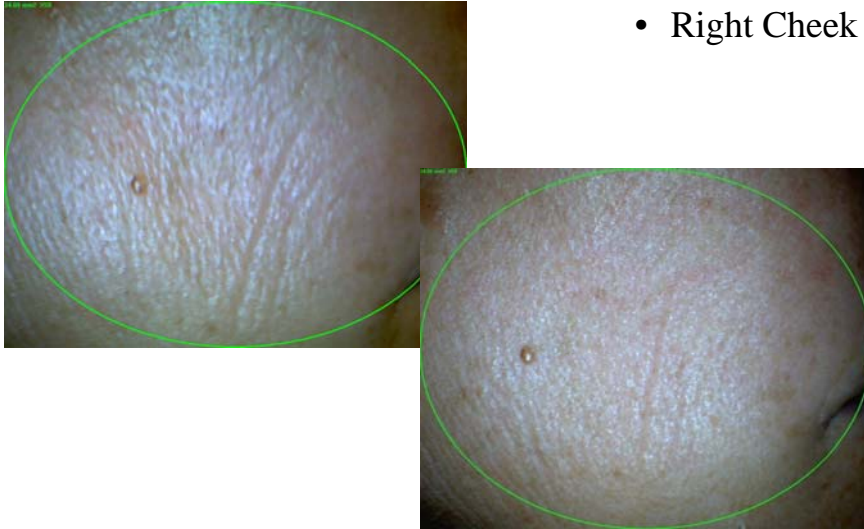


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28

DTS 1.5mm(1 week)

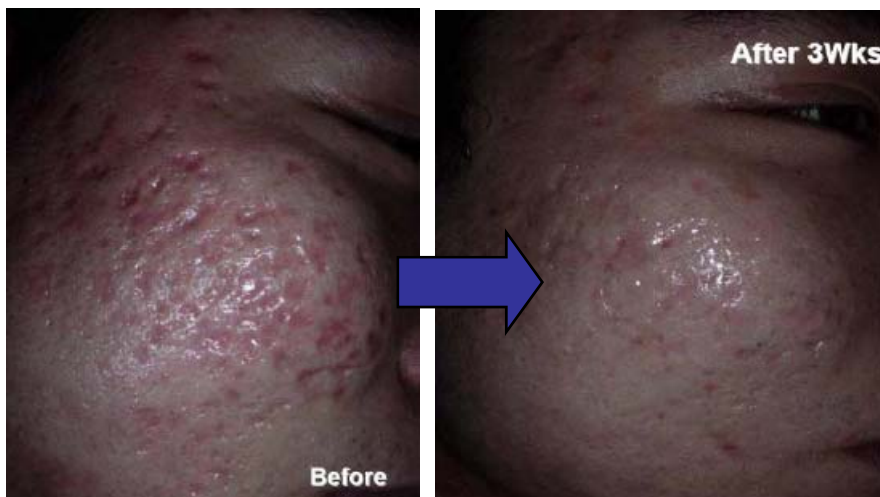
- Right Cheek



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29

Acne Scars 1.5mm, 3 weeks



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30

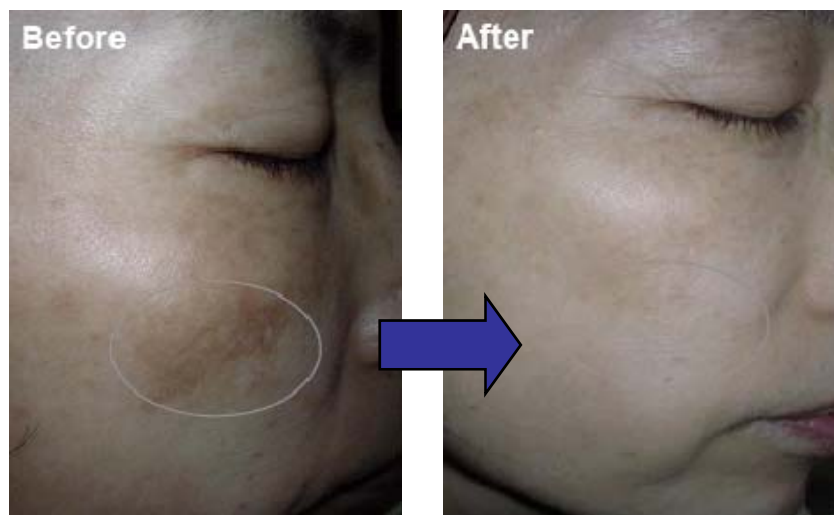
Acne Scar 1.5mm, 3months



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31

Pigmentation 1.0mm, 3months



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32

Acne Scar 6 weeks



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33

Certificate; CE Mark



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34