Histology Results Following JetPeel Treatment

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Case

- A male aged 59 years
- Treated with Jet-M containing cosmetic preparation once a week for 12 weeks
- Wrinkles around the treated eye were greatly decreased

Before

12 weeks later
- Collagen fiber
  - H&E
  - Masson’s trichrome

> Collagen was increased in the upper dermis
- Fibrillin-1
- IF staining using antibody
- Green: Fibrillin-1 (mouse Ab)

-> Fibrillin-1 was greatly increased in the upper dermis
- Procollagen type 1
  - IF staining using antibody
  - Green: Procollagen type 1 (mouse Ab)

\[ \text{Procollagen type 1 was also greatly increased in the upper dermis} \]
- **Tropoelastin**
  - IF staining using antibody
  - Green: Tropoelastin (rabbit Ab)

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**Untreated**

**Treated**

- **Tropoelastin was also increased in the upper dermis**
Results

By triple-jet treatment for 12 times with Skin-MD solution,

1) Wrinkle is decreased around eye.
2) Collagen amount is increased.
3) Fibrillin-1 was also increased.
4) Type 1 collagen was increased.
5) Tropoelastin was increased.
**Preliminary clinical study from 6 volunteers**

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<tr>
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<th>V1</th>
<th>V2</th>
<th>V3</th>
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<tbody>
<tr>
<td><strong>MI</strong></td>
<td>178.72</td>
<td>171.17</td>
<td>165.94</td>
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<td><strong>SD</strong></td>
<td>17.22</td>
<td>18.86</td>
<td>18.98</td>
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<td><strong>EI</strong></td>
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<td>277.33</td>
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<td><strong>SD</strong></td>
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Lesional MI and EI

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<td><strong>MI</strong></td>
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<td><strong>SD</strong></td>
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<td><strong>EI</strong></td>
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<td><strong>SD</strong></td>
<td>31.48</td>
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Non-lesional MI and EI

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<td><strong>SD</strong></td>
<td>33.61</td>
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Lesional – non-lesional MI and EI

**L-NL Mexamerter**
Results

By triple-jet treatment for 8 times with Skin-MD solution,

1) Melanin index was decreased significantly.
2) However, changes of erythema index (EI) was more significant.

Summary

- Triple-jet treatment for 8 times with Skin-MD solution is effective not only in pigmentation but also in facial erythema.