

**Title : A new TGF- $\beta$  mimetic, XEP™-716 miniprotein™, exhibiting regenerative properties objectivized by instrumental evaluation**

**Running title: Instrumental clinical evaluation of the XEP™-716 miniprotein™**

**AUTHORS**

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**Table S1** – Summary of statistical outcomes (p-values) assessing consistency at baseline (D0), of dermal thickness and dermal density, three parameters measured by Laser Confocal Scanning Microscopy (LSCM).

| Parameters                                                                              | Dermal-epidermal junction | Edged papillae density | Total collagen fibers perimeter |
|-----------------------------------------------------------------------------------------|---------------------------|------------------------|---------------------------------|
| <b>Intra group G :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,563<br>(N.S)            | 0,775<br>(N.S)         | 0,071<br>(N.S)                  |
| <b>Intra group H :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,530<br>(N.S)            | 0,189<br>(N.S)         | 0,530<br>(N.S)                  |
| <b>Inter-group<br/>G vs H<br/>(P values)</b>                                            | 0,461<br>(N.S)            | -                      | 0,433<br>(N.S)                  |

(N.S. – Non significant)

**Table S2** – Summary of statistical outcomes (p-values) assessing consistency at baseline (D0) of dermal thickness and dermal density, two parameters measured by ultrasound.

| Parameters                                                                              | Dermal thickness | Dermal density |
|-----------------------------------------------------------------------------------------|------------------|----------------|
| <b>Intra group G :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,819<br>(N.S)   | 0,353<br>(N.S) |
| <b>Intra group H :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,977<br>(N.S)   | 0,225<br>(N.S) |
| <b>Inter-group<br/>G vs H<br/>(P values)</b>                                            | 0,370<br>(N.S)   | 0,200<br>(N.S) |

(N.S. – Non significant)

**Table S3** – Summary of statistical outcomes (p-values) assessing consistency at baseline (D0) of R0 and R7 and Ur parameters, three parameters measured by the cutometer.

| Parameters                                                                              | R0<br>(Uf)     | R7<br>(Ur/Uf)  |
|-----------------------------------------------------------------------------------------|----------------|----------------|
| <b>Intra group G :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,081<br>(N.S) | 0,060<br>(N.S) |
| <b>Intra group H :<br/>XEP™-716<br/>miniprotein™<br/>2.5% vs placebo<br/>(p values)</b> | 0,749<br>(N.S) | 0,134<br>(N.S) |
| <b>Inter-group<br/>G vs H<br/>(P values)</b>                                            | 0,754<br>(N.S) | 0,997<br>(N.S) |

(N.S. – Non significant)