

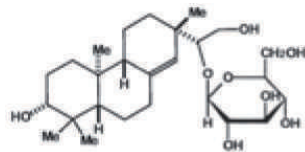
# SilDerm<sup>TM</sup>

## Clinical Summary

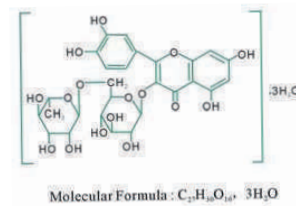
Beauty through Science

### Clinical Efficacy of SilDerm Repair Cream Ingredients

Darutoside



Registril



### Introduction

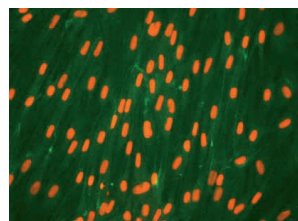
**SilDerm Repair Cream** contains two active ingredients, Darutoside and Registril. These have been proven to improve the redness of striae (stretch mark) and also improve the indentation associated with striae. Both have undergone rigorous clinical investigations;

#### Darutoside

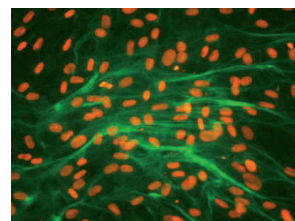
Darutoside has been investigated for many years as an appropriate treatment for wounds. There is well documented evidence supporting its efficacy in the repair of wounds and scars. The application onto the skin of Darutoside leads to more regular alignment of the collagen matrix and to an improvement in skin elasticity.

#### Registril

In-vitro studies show the efficacy of Registril in inhibiting several of the precursors that stimulate the production of fibroblasts and hence collagen. This has been quantified in-vitro and the resultant effect on stretch marks has been investigated,



Placebo



Improvement in collagen synthesis With Registril



# SilDerm™

## Clinical Summary

Beauty through Science

### Method

#### Darutoside (n=14)

3D imaging was used to quantitatively measure the change in redness, indentation and skin pliability over a 4 week period with Darutoside treatment.

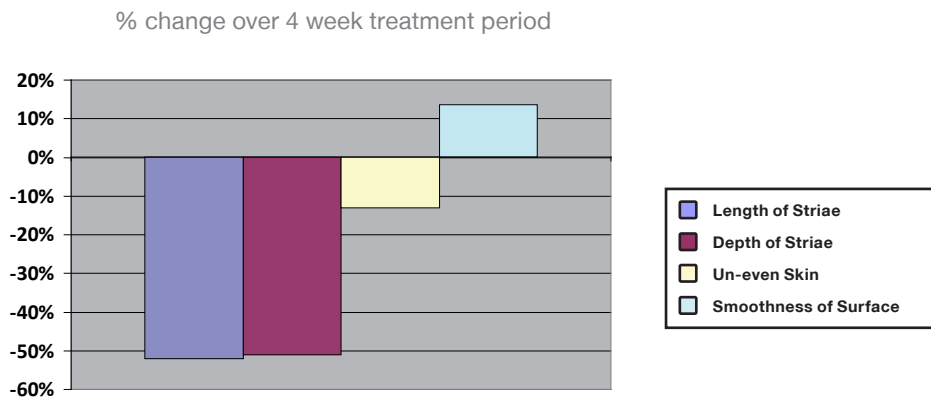
#### Registril (n=13)

Ultrasound imaging was used on patients before and after treatment to measure the effectiveness of Registril on Stretch marks.

### Results

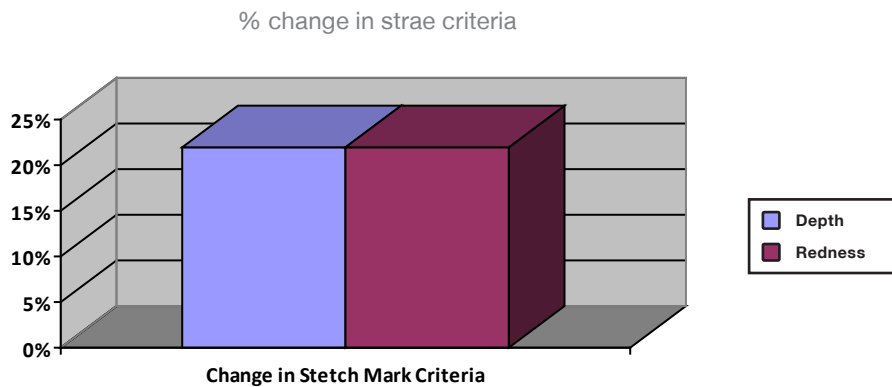
#### Darutoside

The skin irregularities associated with Stretch Marks and the improvement over the 4 weeks was clearly seen using the 3D imaging.



#### Registril

The assessment of the change in Stretch marks using Registril showed a significant improvement in the depth and colour of the stretch mark.



72% improvement in indentation as measured by Ultrasound.

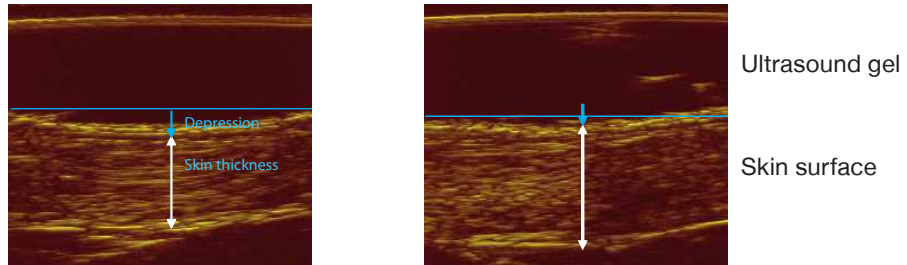


# SilDerm™

## Clinical Summary

Beauty through Science

### Ultrasound before and after treatment



Before Treatment

After Treatment



Day 0

28 Days post treatment

## Discussion

Both Darutoside and Registril have a positive effect on striae. Both improve the redness of striae and the general unevenness of the skin. Uniquely both these compounds improve the indentation giving a more even toned skin and normalising the area around the striae.

It is clear that the compounds have an effect on improving and realigning the collagen around the area of application. This has been proven in-vitro and in-vivo, further clinical work will be needed to prove the effectiveness of the cream on improving the striae and patients quality of life.

The combination of these two materials in therapeutic concentrations will produce an anti striae cream that would improve the redness and indentation of the striae.

SilDerm™ stretch mark cream has clinical data to prove the ingredients are effective.



# SilDerm<sup>TM</sup>

## Clinical Summary

Beauty through Science

### On-going Clinical Research:

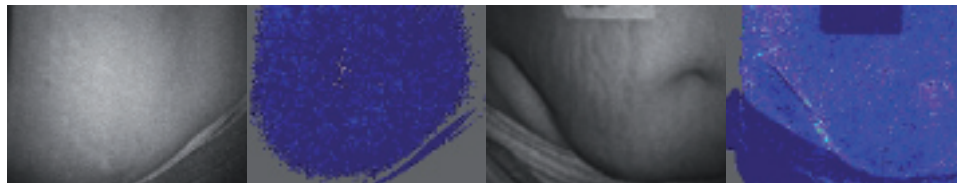
SilDerm Ltd is currently working in collaboration with a world renowned research facility in Manchester, specialising in providing quantifiable data on the outcomes of skin treatments. In collaboration with SilDerm a model has been created that will answer many of the questions about the treatment of striae and provide quality data on the effect of SilDerm on Stretch Marks.

The study is planned to be completed in 2011 and uses objective skin measurement techniques to measure the improvement in the Stretch Mark;

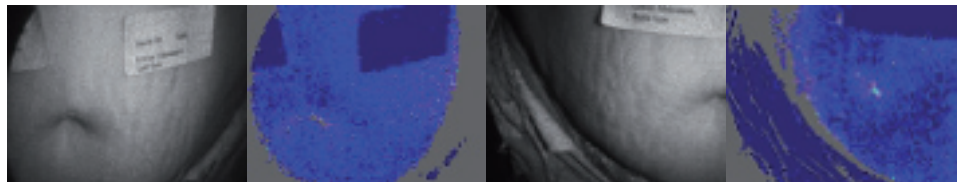
Early results show the effectiveness of the technique for quantifying the change in the main criteria being measured.

LEFT ABDOMEN

RIGHT ABDOMEN



Before treatment



After treatment

The patients act as their own control, half of the patient is treated with placebo and half with the active product. In addition biopsies are taken from the patient, which are analysed for histological response to both placebo and active cream.



If you would like further information please contact us at: [info@silderm.com](mailto:info@silderm.com)  
or call: 0844 544 9969

[www.silderm.com](http://www.silderm.com)  
0844 544 9969

