

STUDYBOOK EMFUSION®





Calista GmbH Altweg 12, 8500 Frauenfeld Tel.: +41 43 233 73 73 www.calistamedical.ch info@calistamedical.ch

©BTL Unternehmensgruppe. BTL®, EXILITE®, EXILIS®, EXION®, VANQUISH®, UNISON®, CELLUTONE®, CORE TO FLOOR®, EMSCULPT®, EMSCULPT NEO®, EMSELLA®, EMFACE®, EXOMIND**TM**, EXOTMS**TM**, EMFEMME®, EMFEMME 360®, EMBODY®, EMTONE®, HIFES® und HIFEM® sind Marken oder eingetragene Marken der BTL in der Europäischen Union, dem Vereinigten Königreich oder anderen Ländern. Die Produkte, Herstellungsverfahren oder die Nutzung können einem oder mehreren Patenten oder laufenden Anmeldungen unterliegen. Weitere Informationen finden Sie unter www.btlnet.com/patents. Die Marken EMSCULPT, EMSCULPT NEO, EMSELLA, EMTONE, EMFEMME, EMFEMME 360, EMFACE und EMBODY gehören zur EM™-Produkt- und Servicefamilie.

EMFUSION®

Calcium Gradient Restoration

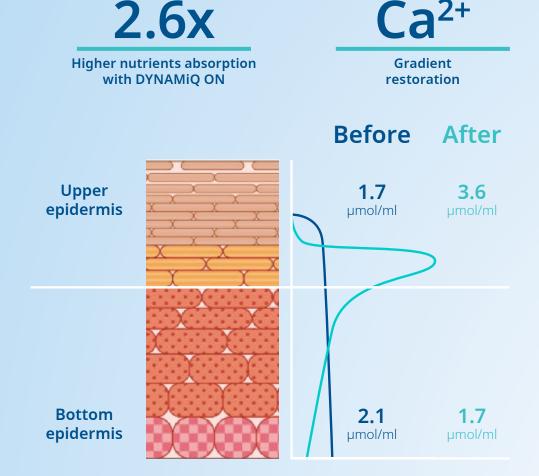
Impact of DYNAMiQ Technology on Epidermal Calcium Gradient and Nutrients
Absorption - Animal Histology Study

Jan Bernardy, DVM, PhD¹; Rea Jarosova, MSc, PhD¹; Natalie Kralova, MA¹; Karolina Hlavova, MA, PhD¹

1. Veterinary Research Institute, Brno, CZ

Highlights

- Three large white pigs (sows, 40-60kg) were divided into 2 groups:
 - Active (n=2): 1 procedure with DYNAMiQ on
 - Control (n=1): 1 procedure with DYNAMiQ off
- Evaluation of active ingredient absorption delivered during the EMFUSION procedure
- 2.6 times higher vitamin A absorption in the active group at 24 hours post-procedure
- Evaluation of epidermal calcium concentrations across upper and lower layers
- 114% Ca²⁺ increase in the upper layer and 17% decrease in the lower layer indicates calcium gradient restoration at 7 days post-procedure



The change in calcium concentration in the upper and lower epidermis indicates the potential of the DYNAMiQ procedure to restore calcium gradient

EMFUSION®Impurity Removal Analysis

Analysis of Collected Waste Liquid After the DYNAMiQ Procedure - Case Study
Mariya Genova, MD

Individual practice for specialized medical dermatology care Mariya Genova MD, Plovdiv, BG

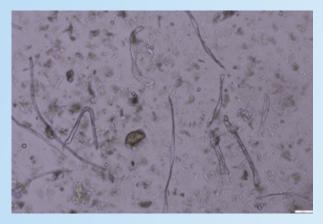
Highlights

- 12 subjects (22-51 years old) split into 3 groups received one 30-minute procedure using:
 - EMFUSION with DYNAMiQ on (4 subjects)
 - EMFUSION with DYNAMiQ off (4 subjects)
 - Leading exfoliation device (4 subjects)
- Extracted waste fluid was examined by microscopy, and upon desiccation, the weight of dry matter was used to quantify the amount of removed impurities
- 2.7 times more impurities were removed by EMFUSION with DYNAMiQ ON than with leading exfoliation device

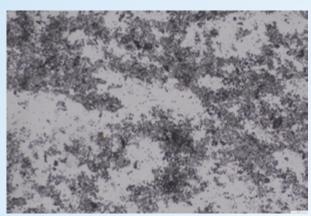
2.7x

More impurities removed by EMFUSION with DYNAMiQ ON

Leading Exfoliation Device



EMFUSION with DYNAMIQ ON



EMFUSION with DYNAMiQ ON demonstrated superior efficacy, the leading exfoliation device and EMFUSION with DYNAMiQ OFF removed comparable amounts of impurities

EMFUSION® Skin Barrier Improvement

Evaluation of Changes in Epidermal Water Evaporation After the Application of DYNAMiQ Technology
Klaus Fritz, MD¹, Mariya Genova, MD², Carmen Salavastru, MD^{3,4}

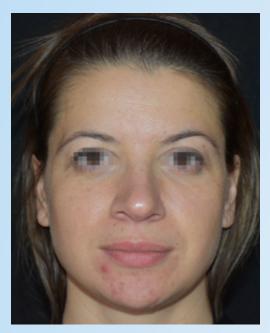
Highlights

- 24 subjects (26-64 years old) received one 30-minute procedure
- Evaluation of transepidermal water loss (TEWL) at baseline, after the procedure, and 7 days after
- Baseline water loss was 1.8 times higher than 7 days post-procedure demonstrating that skin retains approximately 80% more moisture

80.3%

Skin barrier improvement

Baseline



7 days after procedure



A 33-year-old female at baseline and 7 days after the EMFUSION procedure

EMFUSION®Skin Quality Improvement

Improvement in Skin Quality after the DYNAMiQ Procedure - Preliminary Data Klaus Fritz, MD¹, Berenike Lampert, MD², Rainer Pooth, MD³

Dermatology and Laser Center, Landau in der Pfalz, Germany
 Dermatologie und Ästhetische Medizin Dr. Med. Berenike Lampert, Frankfurt, Germany
 Clinical Research and Development, ICA Aesthetic Navigation GmbH,Frankfurt, Germany

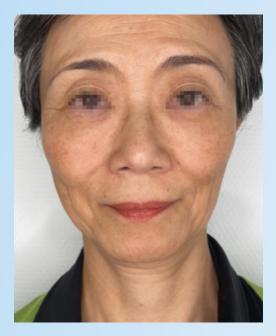
Highlights

- 20 subjects received four 30-minute procedures
- Photographs were taken at baseline, after the procedure, and 7 days after
- Photo analysis of Skin Quality Index by Caarisma software

20.8%

Increase in Skin Quality Index

Baseline



After 2nd procedure



A 65-year-old female showing an improvement in skin quality, specifically skin tone evenness