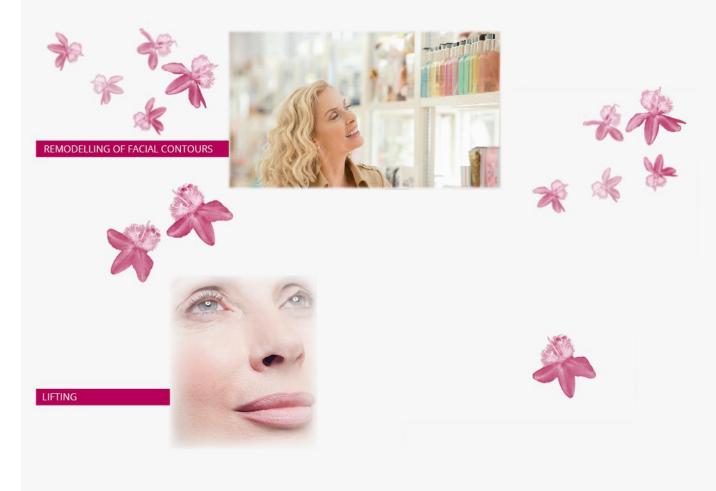
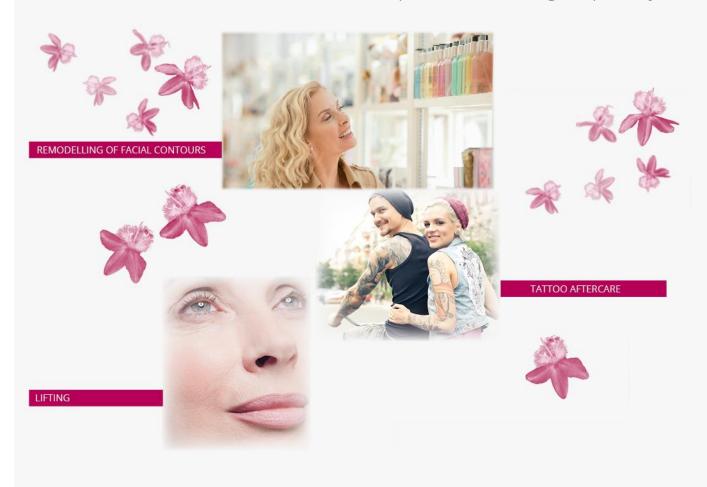


LIFTONIN®-XPERT Smart Collagen Management

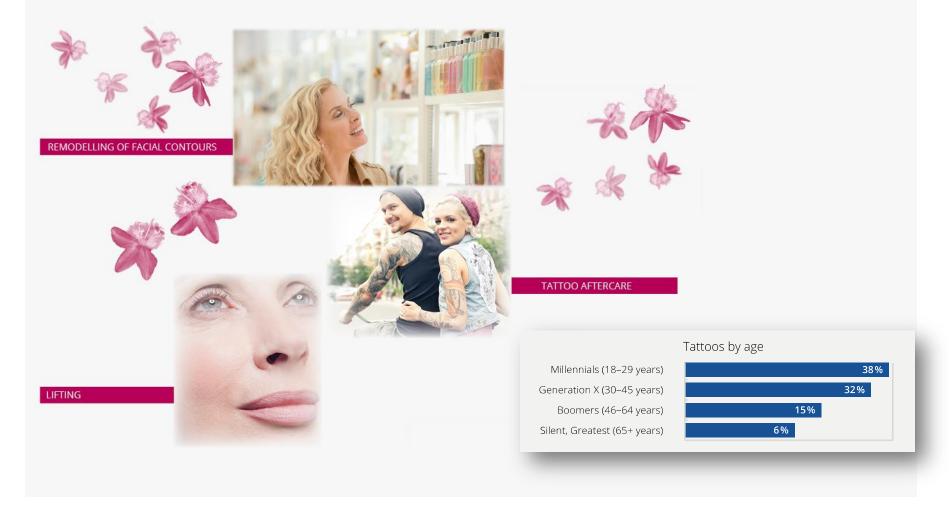




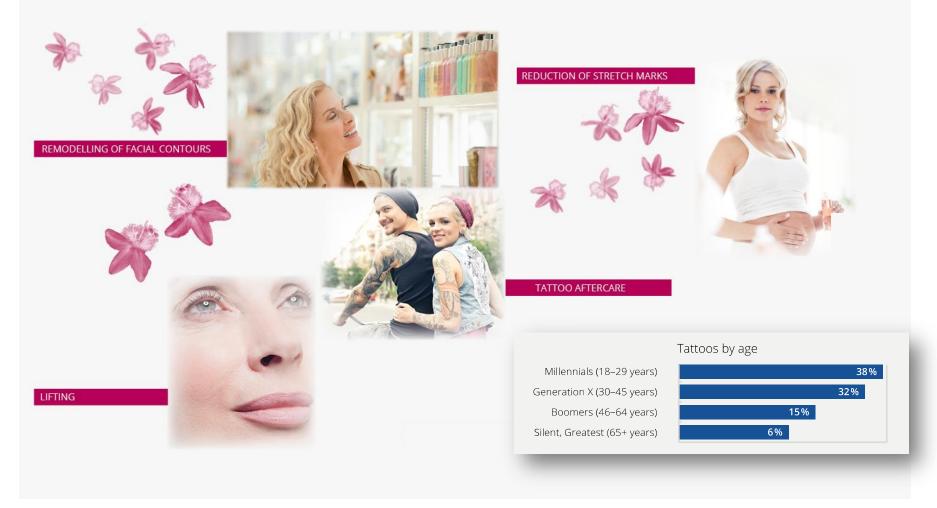


















LIFTONIN®-XPERT in a nutshell

Smart Collagen Management

- From the leaf sap of South African Bulbine frutescens
- Balances reconstruction and breakdown of collagen
- Provides outstanding results:
 - acts as collagen filler
 - acts as lifting agent
 - reduces stretch marks
 - repairs unsightly skin around nails
 - is ideal as tattoo aftercare

















/ LIFTONIN®-XPERT







Collagen in the dermis

Important structural protein that holds the body together

- 80 % of the skin's dry weight
- Responsible for skin firmness
- Collagen I and III are main types of the dermis
- Part of extracellular matrix (ECM)

Procollagen synthesis mmm Chain trimerisation Assembly and crosslinking Propeptide cleavage Fibril formation and crosslinking

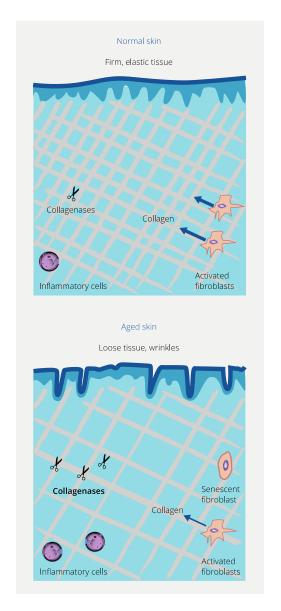
Fibroblasts synthesize procollagen

Enzymatically activated procollagen
accumulates into fibrillae
Crosslinked fibrillae form collagen fibres
with enormous tensile strength



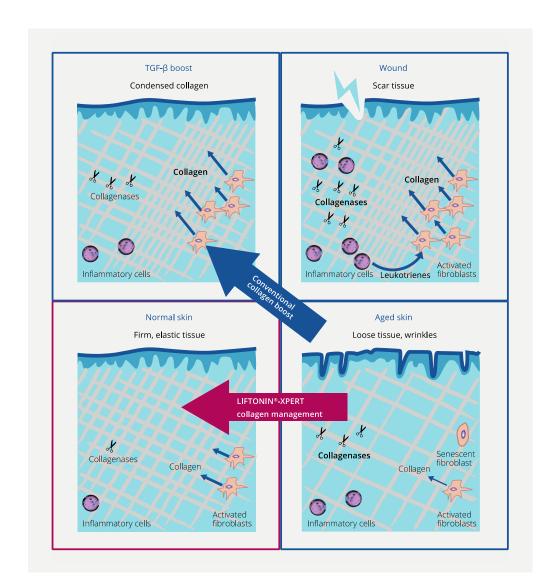
Collagen and skin ageing Every year skin loses 2 % of its collagen

- Disturbed equilibrium between creation and breakdown of collagen:
 - Activation of collagenases
 - Reduction of collagen synthesis
- Reduced dermal thickness and density
- Formation of wrinkles
- Reduced firmness and elasticity
- Formation of sagging skin, stretch marks etc.



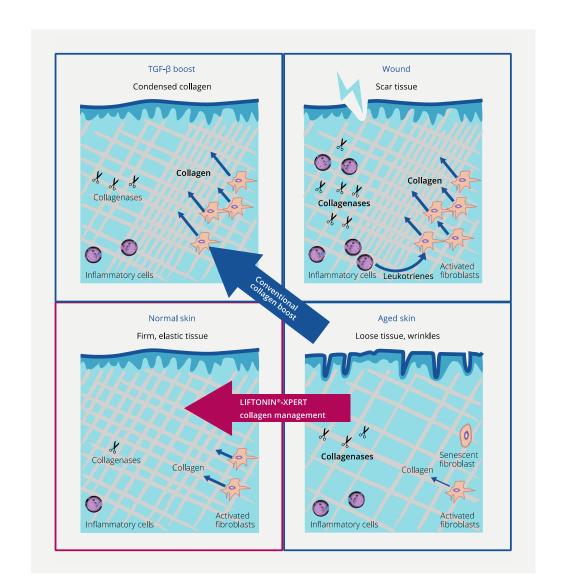


LIFTONIN®-XPERT: Smart Collagen Management rather than uncontrolled collagen boost



LIFTONIN®-XPERT: Smart Collagen Management rather than uncontrolled collagen boost

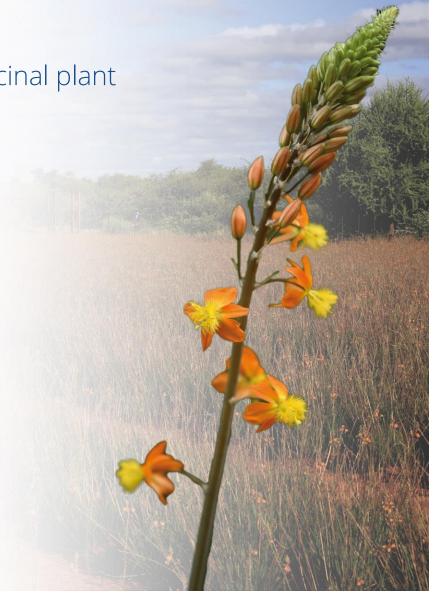
- To supply the skin with an extra portion of high quality collagen
- To synthesise collagen in an anti-inflammatory environment and to prevent overdrive
- To ensure the optimal integration of newly synthesised collagen into the dermis



Bulbine frutescens

South African medicinal plant

- Grows in dry valleys in South Africa
- Succulent plant
 with gel-like sap in leaves
- Use in traditional medicine
 Healing of injuries, burns, sunburn,
 insect bites
- Sustainable cultivation on organic farm



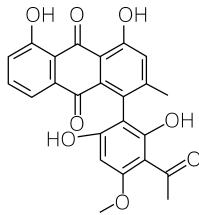


Active compounds in Bulbine frutescens

Acetylated polymannose (APM) and knipholone

APM

- Stimulates fibroblasts
- Triggers collagen synthesis
- Immune-regulating



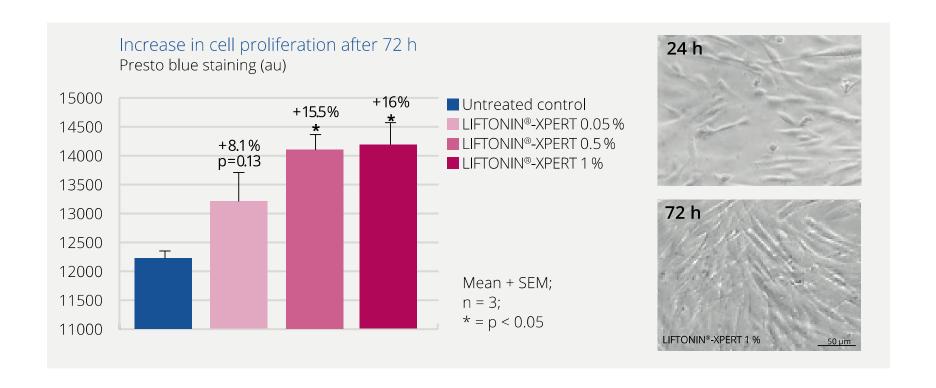
Knipholone

- Phenylanthraquinone
- Only present in genera Bulbine and Kniphophia
- Decreases level of collagenases
- Inhibits leukotriene synthesis and blocks uncontrolled collagen boost



LIFTONIN®-XPERT moderately

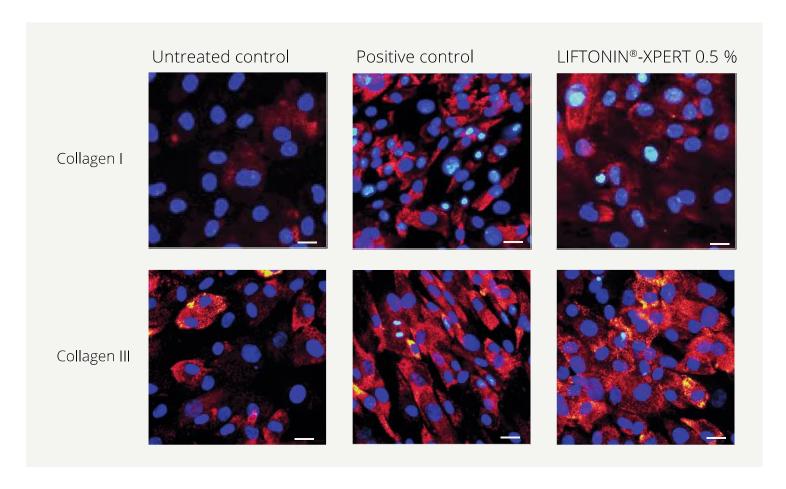
stimulates the proliferation of fibroblasts





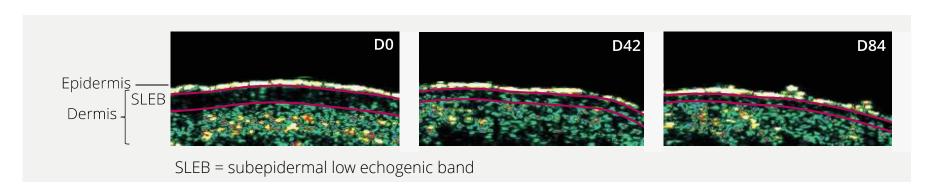
LIFTONIN®-XPERT induces half-maximal,

constantly elevated collagen I and III production



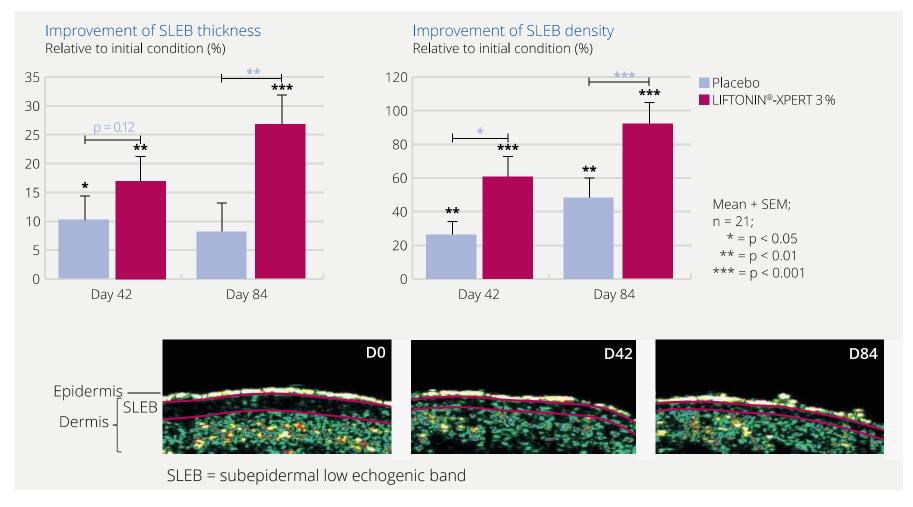


SLEB thickness - and doubles collagen density



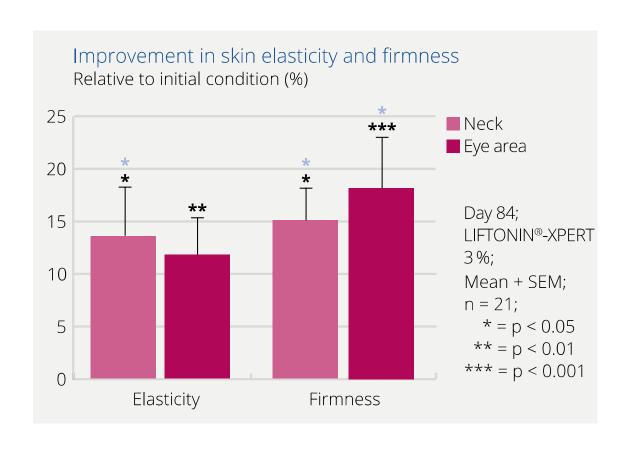


SLEB thickness - and doubles collagen density





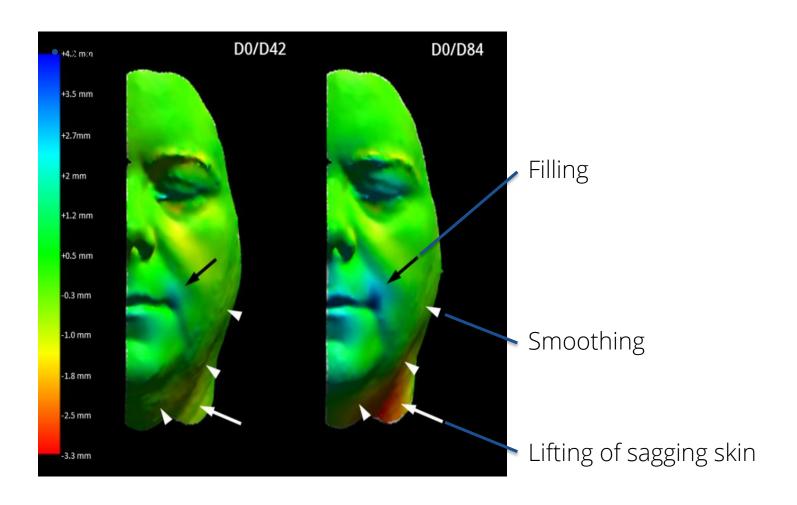
elasticity and firmness on the neck and in the eye area





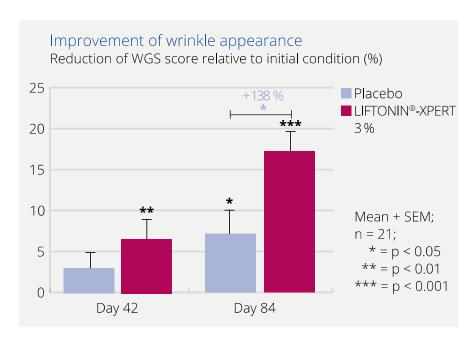
Remodelling of facial contours

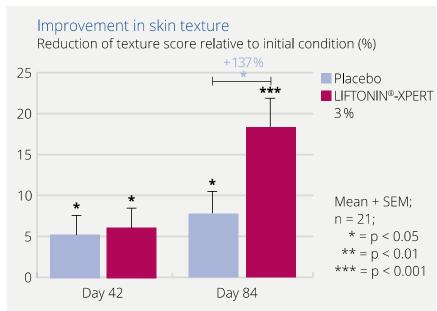
Lifting, filling, and smoothing





wrinkle appearance and skin texture







wrinkles on the neck and in the eye area



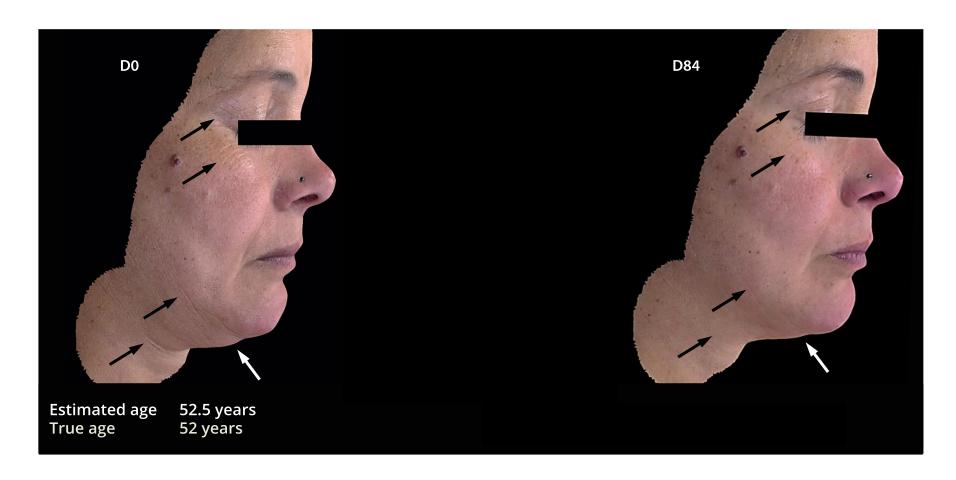


wrinkles on the neck and in the eye area



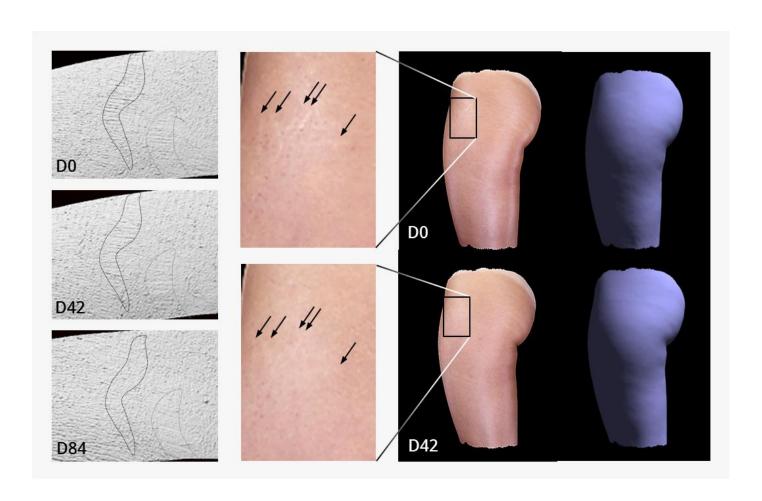


wrinkles on the neck and in the eye area





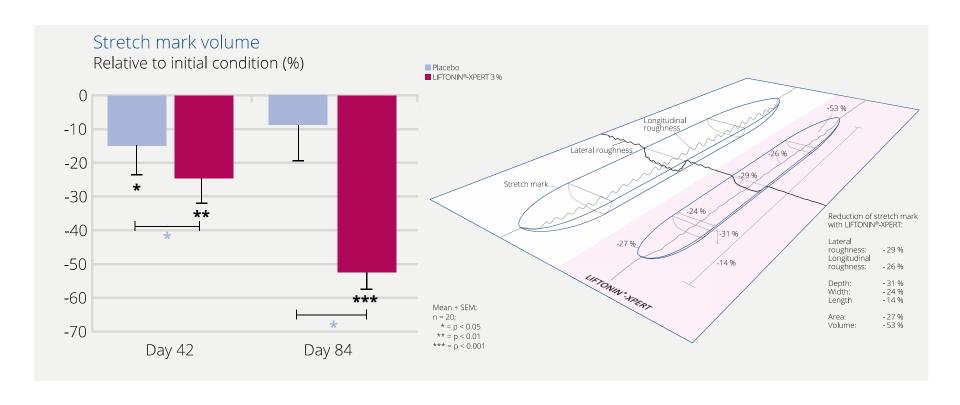
the appearance of stretch marks





LIFTONIN®-XPERT halves

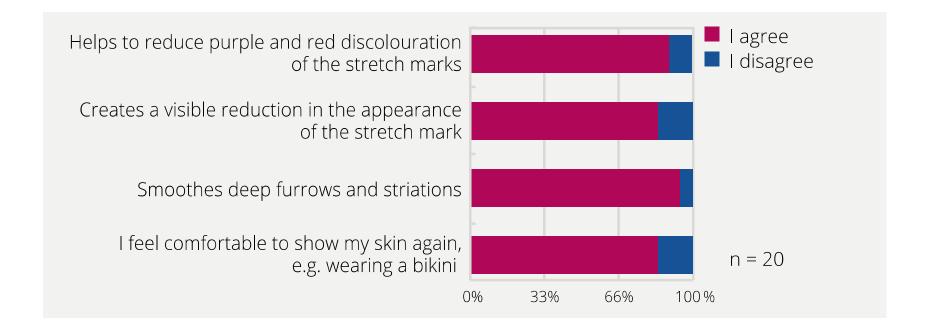
the dimensions of stretch marks





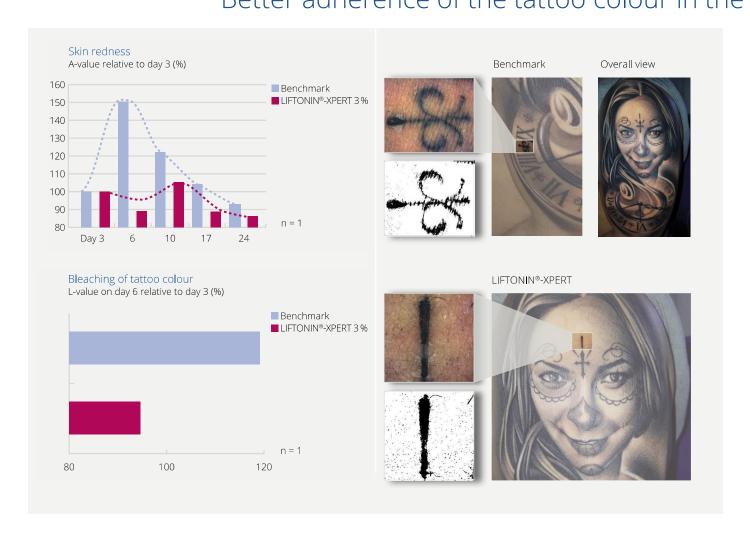
LIFTONIN®-XPERT increases self esteem

and self confidence of persons with stretch marks





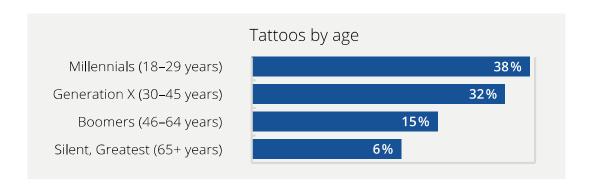
Immediate soothing effect after tattooing Better adherence of the tattoo colour in the dermis

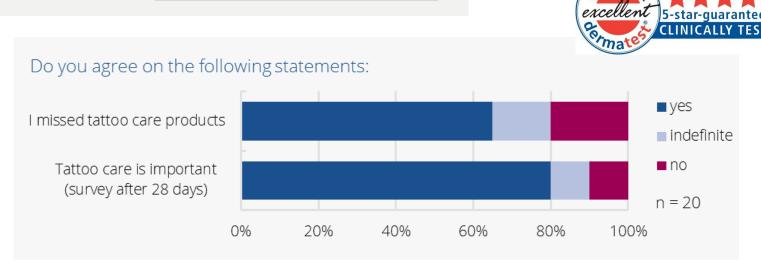




Tattoo after-care

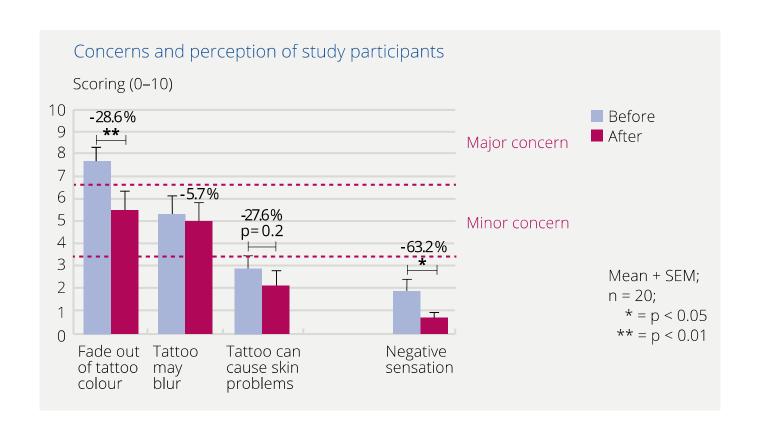
a large and yet unmet demand





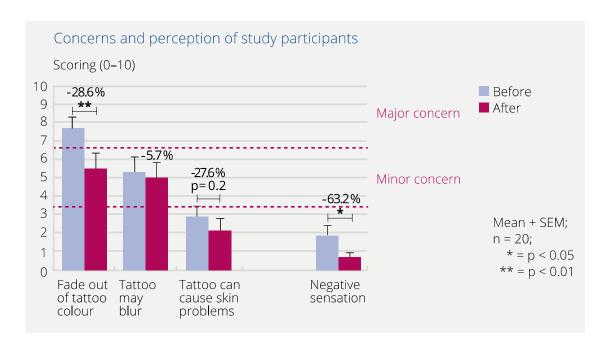


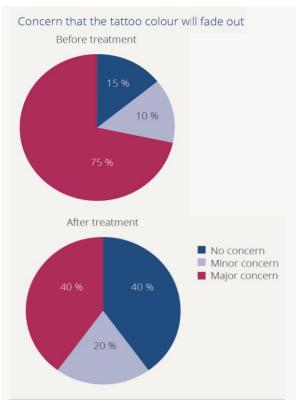
LIFTONIN®-XPERT relieves fear, sorrows and pain of tattooed people





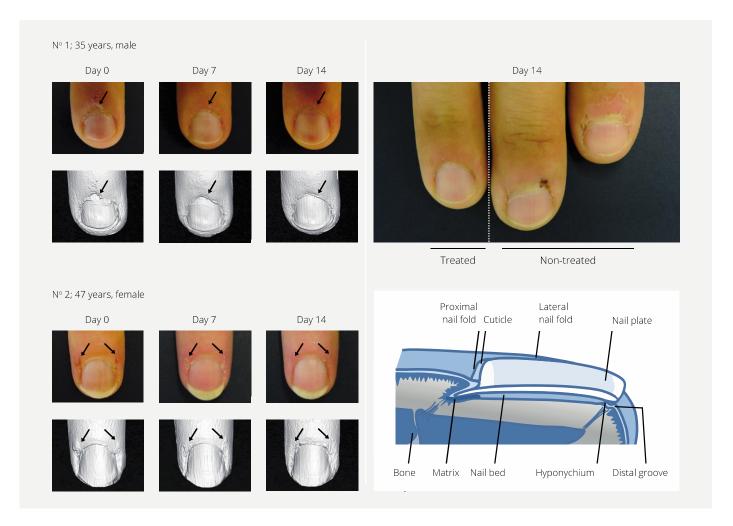
LIFTONIN®-XPERT relieves fear, sorrows and pain of tattooed people







LIFTONIN®-XPERT is an expert in repairing dry and brittle skin around the nails





LIFTONIN®-XPERT Concepts

Skin architects for the face, neck and body

- Wrinkle fillers for eye area and neck
- Lifting treatments
- Products against sagging skin
- Contour remodelling creams
- Body lotions for firming and reduction of stretch marks
- Tattoo aftercare
- Hands & Nail products





Application

Areas of application

Anti-ageing products, body care products (stretch marks, hands and nail care, tattoo aftercare).

Recommended use level

1 - 3 %

Preservative system

0.4 % Sodium Benzoate, 0.2 % Potassium Sorbate

Solubility and Processing

Water soluble; should be processed at temperatures < 50°C.

Natural cosmetics

Ecocert: listed, COSMOS: listed, NaTrue: certified





Registration

EU

Bulbine Frutescens Leaf Juice, Sodium Benzoate, Potassium Sorbate, Citric Acid

USA

Bulbine Frutescens Leaf Juice, Sodium Benzoate, Potassium Sorbate, Citric Acid

Japan

Bulbine Frutescens Leaf Juice, Sodium Benzoate, Potassium Sorbate, Citric Acid

China

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Presentation LIFTONIN®-XPERT Symposium 2016

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