AMIEA MED – THE MEDICAL MICROPIGMENTATION SYSTEM

amiea med is a complete micropigmentation system developed specifically for the medical practice. The high-precision micropigmentation device amiea med revive and extensively tested colors allow for safe, precise cosmetic and reconstructive procedures that help reestablish the patient’s sense of self after surgery. Designed with a clear focus on precision, safety, and reliability, the amiea med system delivers consistently high-quality, lasting results.

“Medical micropigmentation is a current standard procedure for areola reconstruction. amiea med has introduced a professional device for the experienced plastic reconstructive surgeon.”
MT.DERM has been developing and manufacturing medical devices since 1998. The MT.DERM research and development team cooperates with renowned institutes, medical professionals, chemists, and our scientific advisory board to develop products that meet the most discerning quality and usability demands. Like all MT.DERM products, the amiea med revive device is manufactured in our ISO 9001 and ISO 13485 certified facilities in Germany.

MT.DERM is involved in the research of intradermal injections. Our project partners include:

- Technical University of Berlin, Germany (Prof. Dr. rer. nat. Heinz Lehr)
- University Clinic Regensburg, Germany (Prof. Hans Wolf)
- NKI-AVL Clinic Amsterdam, Netherlands (Prof. John Haanen)
- Friedrich-Löffler-Institut (FLI), Insel Riems, Germany (Prof. Jens Peter Teifke)

Made by MT.DERM –
German quality in medical devices

Members of the MT.DERM scientific advisory board: Dr. Stef Stienstra, MD and Biochemist and Prof. Dr. rer. nat. Heinz Lehr, TU Berlin, expert in medical microsystems
MEDICAL MICROPIGMENTATION PROCEDURES WITH AMIEA MED REVIVE

The amiea med micropigmentation device revive and the colors are based on extensive experience and development efforts in the field of micropigmentation. With a wide range of needle cartridges and broad palette of natural-looking colors, the amiea med system delivers precise, lasting results in numerous medical micropigmentation procedures. amiea med is perfectly suited for:

- post-surgery areola reconstruction
- scar reduction
- permanent make up after chemotherapy
- cleft lip pigmentation
- radiotherapy markings

Areola pigmentation with amiea med
The areola complex was recreated after reconstructive surgery. After mastectomy, micropigmentation may serve to enhance the areola complex and camouflage scarring.
Areola restoration on burn victim
The effects of the burn were reversed in a combined procedure. First, the scarring was reduced and camouflaged, and the areola then restored through micropigmentation.

Cleft lip pigmentation
The cosmetic micropigmentation procedure camouflages scarring and recreates the natural look of a full lip and lip line. The color matches the patient’s natural skin tone.

Permanent make up after total loss of hair (e.g. chemotherapy)
The visual effects of loss of eyebrow hair and eyelashes can be balanced by a natural look applied by a well trained practitioner.

Natural permanent make up
The photo shows the full scope of possibilities in permanent make up cosmetics. The effects should be subtle and underline the patient’s natural beauty. A subtle, natural look allows for versatility in applied make up and styling.

Scar reduction/camouflage
During the micropigmentation procedure, collagen in the scar tissue is eliminated through microdestruction. Results are achieved without the use of color.
AMIEA MED REVIVE – THE AMIEA MED MICROPIGMENTATION DEVICE

Engineered specifically for the modern medical practice, amiea med revive meets the most discerning standards for surgical instruments. As part of the amiea med system, the micropigmentation device excels in all three dimensions of quality: precision, safety, and reliability. The ergonomic design of the hand piece lets you work smoothly and without exhaustion, even during long and complex procedures. Extremely fine needle points with adjustable penetration depths deliver precise results and clean punctures with a considerably lower puncture trauma. Safety and hygiene are ensured by the device’s patented cartridge system, available in a wide range of needle cartridges for all types of procedures. The sealed cartridges prevent liquids including bodily fluids to flow back into the hand piece, eliminating the risk of contamination.

Both you and your patients will appreciate the advantages of amiea med revive:

- less skin trauma
- minimized pain
- reduced swelling
- reduced wound secretions
- faster, better healing
- significantly fewer touch ups
- natural results
- devices are certified as medical products

“amiea med micropigmentation products have enhanced medical tattooing procedures in our clinic. We experience reduced trauma to the patient’s skin as well as shorter set up and procedure times.”

DR. MAHDI REZAI
Director of the Breast Center
Duesseldorf and the EAsS

The cross section shows the membrane that seals the cartridge, preventing liquid backflow.
The amiea med micropigmentation device is manufactured in Germany according to quality standards ISO 9001 and ISO 13485 and was issued a 93/42/EEC certification as medical product. There is a two-year full warranty on the device. We know that your practice processes are finely tuned and have therefore adapted our customer service to minimize interruptions: in the unlikely event that you experience problems, we will exchange your product within 24 hours.

MT.DERM holds the following German and international patents for amiea med devices, the amiea med cartridge systems, and amiea med colors: US 6,505,530; US 6,345,553; DE 299 19 199; EP 1 495 782; EP 1 618 915; EP 1 882 492; EP 1 743 673; additional patents pending.
Perfectly attuned to the amiea med device and cartridge system, amiea med micropigmentation colors ensure even flow and lasting color retention. Most importantly, though, amiea med colors are extremely safe. Our manufacture, safety and agreeability standards surpass not only the exacting European Resolution ResAP(2008)1, but also even stricter national regulations within Europe.

This makes amiea med colors superior to many colors still imported today from the United States and other European countries. amiea med colors are...

...compliant with ResAP(2008)1

...compliant with all applicable national European regulations

...manufactured in our ISO 9001 and ISO 13485 certified facilities

...allergy-tested by Dermatest® and found “excellent”

...made of ingredients that passed cytotoxicity tests

...packaged in hygienic single doses

As a result of these discerning standards, amiea med colors have significantly reduced toxicological, allergological, and microbiological risks.
NATURAL, LASTING RESULTS

Color density and retention are key to lasting, natural results. The high pigment concentration in amiea med colors – achieved through a specialized manufacturing process – ensures that the results of micropigmentation are dense and long lasting. However, amiea med abstains from using bright, ultra-long-lasting pigments that may be visually attractive, but do not conform to our exacting safety standards. Cancer, accidents, and potentially traumatic procedures take something from your patient. Let us help you give something back – with a broad natural color palette that offers a wide variety of tones that match your patient’s color and skin type.
AMIEA MED TRAINING PROGRAM

The best tool is only as effective as the hand that holds it. That is why amiea med offers a comprehensive training program for doctors, nurses, and other medical professionals. It allows you to hone your skills, broaden your range of procedures, and provide your staff with the training they need to assist you reliably even in complex cases. The teaching and training program will be conducted and monitored by the European Academy of Senology (EAoS).

AMIEA MED AND EAoS

amiea med is proud to offer our areola micropigmentation trainings in cooperation with G-IMC and EAoS, European Academy of Senology. Committed to promoting and communicating medical research and expertise in breast cancer, EAoS is an ideal and powerful partner who shares our vision of providing the best possible results and care to patients everywhere.

EAoS’s objectives are:

- to provide a training program for doctors eager to enhance their knowledge on breast cancer
- to organize training sessions on specific new methodologies in all fields of senology
- to implement a standardized quality assurance management system
- to promote an international guideline-based breast center model to optimize early detection and patient care
- to devise new models of breast cancer mass-screening programs
- to promote breast cancer registries and epidemiological research throughout Europe
LIST OF LITERATURE ON CLINICAL MICROPIGMENTATION

The following articles provide an overview over the current research in clinical micropigmentation:

Camirand, André and Jocelyn Doucet
“Needle Dermabrasion”

Chun, Yoon Sun and Dennis P. Orgill
“Breast Reconstruction and Nipple-Areola Reconstruction”
emedicine.medscape.com, August 20, 2009
(accessed February 24, 2010)

de Cuyper, Christa
“Cosmetic and Medical Applications of Tattooing”
Dermatologic Complications with Body Art
Berlin/Heidelberg: Springer Verlag, 2010

El-Ali, Kamal, M. Dalal, C.C. Kat
“Tattooing of the Nipple-Areola Complex: Review of Outcome in 40 Patients”

Farhadi, Jian et.al
“Reconstruction of the Nipple-Areola Complex: An Update”

Ijsellmuiden, Otto et.al
“Anwendung von Dermatographie als Behandlungsmethode in verschiedenen medizinischen Fachbereichen”
Der Hautarzt 47 (1996): 682-685

Tsur, Haggai and Haim Kaplan
“Camouflaging Hairless Areas on the Male Face by Artistic Tattoo”
Plastic and Reconstructive Surgery 92.2 (August, 1993): 357-360

Vassileva, Snejina and Evgenya Hristakieva
“Medical Applications of Tattooing”
Clinics in Dermatology 25 (2007): 367-374
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