IN VIVO IMAGING

VIVASCOPE

Instant Optical Biopsy

Clinical + Dermatoscopy + Confocal + Ultrasound.
Your **All-In-1-Solution.**



With the
VivaScope 1500/3000

CE EU Declaration of Conformity
available upon request

VIVASCOPE

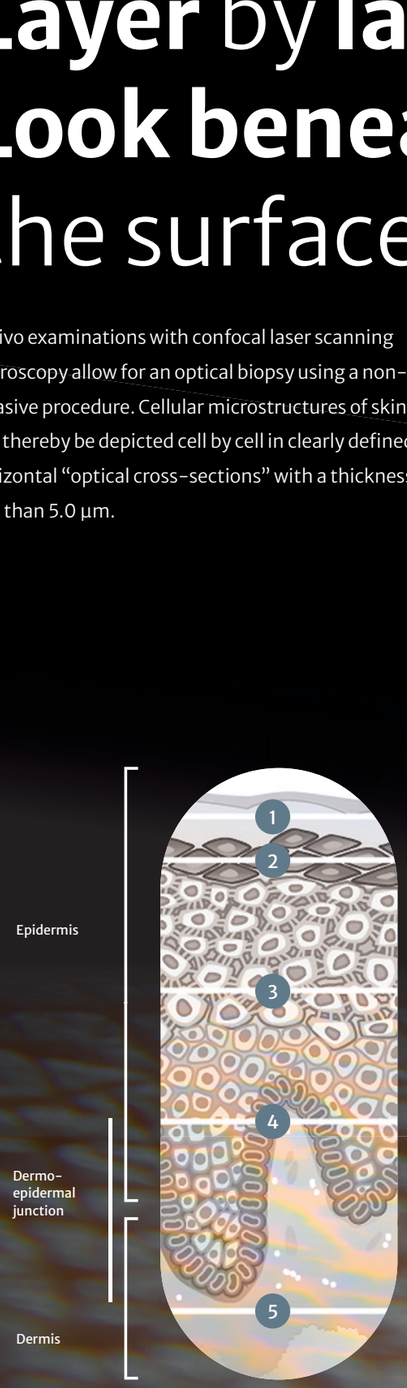
VivaScope GmbH
Stahlgruberring 5
81829 Munich · Germany

Phone: +49 89 401 921 600
Email: info@vivascope.com
www.vivascope.com

Technical specifications are subject to change without notice. Revision Level:10/2026

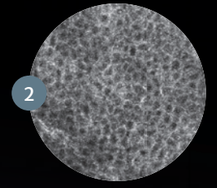
Layer by **layer**. **Look beneath** the surface.

In vivo examinations with confocal laser scanning microscopy allow for an optical biopsy using a non-invasive procedure. Cellular microstructures of skin can thereby be depicted cell by cell in clearly defined horizontal “optical cross-sections” with a thickness of less than 5.0 µm.

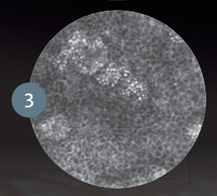


Confocal Images

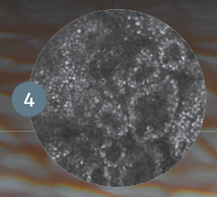
1 Stratum corneum



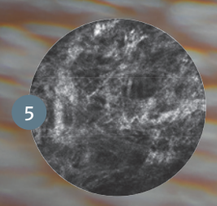
2 Stratum granulosum



3 Stratum spinosum



4 Stratum basale



5 Stratum dermale



Prof. Giovanni Pellacani
Director of the Dermatology Unit at Policlinico Umberto I
Rome, Italy

★★★★★

"The use of VivaScope for suspect lesions reduces unnecessary excisions and saves costs."

LEARN MORE:

Instant Optical Biopsy

What you **see:**

Two lesions – can you identify the **melanoma**?

A



Surface view **only**

B



Surface view **only**

What you might be **missing** without using the VivaScope:

A) is a melanoma, B) is not.



Disarrangement of the architectural layer with numerous pagetoid cells (**whole image**). Atypical meshwork pattern (*****) constituted by irregularly spaced papillae Moreover, enlarged interpapillary spaces and dendritic cells. Nonhomogeneous melanocytic dense and sparse nests with numerous atypical cells and fibrous collagen tracts **(orange circle)**

Look **beneath** the surface



Image courtesy of Prof. Giovanni Pellacani MD, PhD, La Sapienza University in Rome

Meshwork pattern in a slightly asymmetrical overall architecture whereas atypical cells are lacking.
Edged and non-edged papillae, homogenous junctional thickenings and nests, few atypical cells

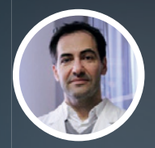
Look **beneath** the surface

Take fewer biopsies.
Speed up diagnosis.
Improve patient care.



The VivaScope 1500/3000

Ready for a change?



Prof. Giovanni Pellacani
Director of the Dermatology Unit at Policlinico Umberto I
Rome, Italy

★★★★★

"The use of VivaScope for suspect lesions reduces unnecessary excisions and saves costs."

Major advantages:

Non-invasive

Examine the patient non-invasively, completely pain-free and without harming the skin.

Cellular Resolution

View cellular components of the individual tissue layers in high resolution.

Fast and reliable

Determine quickly whether and what type of skin cancer is present.

One software for an efficient workflow

Benefit from the integrated user interface to control all devices of the imaging chain and to manage all patient data efficiently.

Expert support via Telemedicine

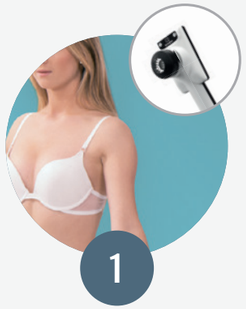
Via **VivaTeach®** you can get a second opinion for complicated cases from confocal experts with many years of experience via telemedicine.

A high-performing imaging system.
All-in-one.

Watch the workflow.

3-IN-1 SYSTEM

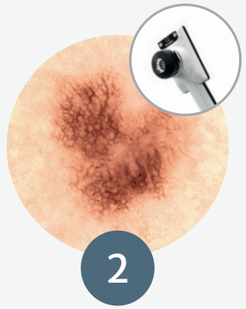
4-IN-1 SYSTEM



1

Clinical Imaging

Start imaging by taking a clinical image(s) with the dermatoscopic camera VivaCam, a vital component of the VivaScope imaging system.



2

Dermoscopy

Imaging in various magnifications and highest quality for dermatoscopic assessment.



3

Confocal Imaging

Clear visualization of the morphology on cellular level. Adding vital information of deeper skin layers to enable precise diagnoses.



4

Ultrasound Imaging

The Ultra (Dermus SkinScanner) visualizes subsurface skin structures and measures lesion depth .

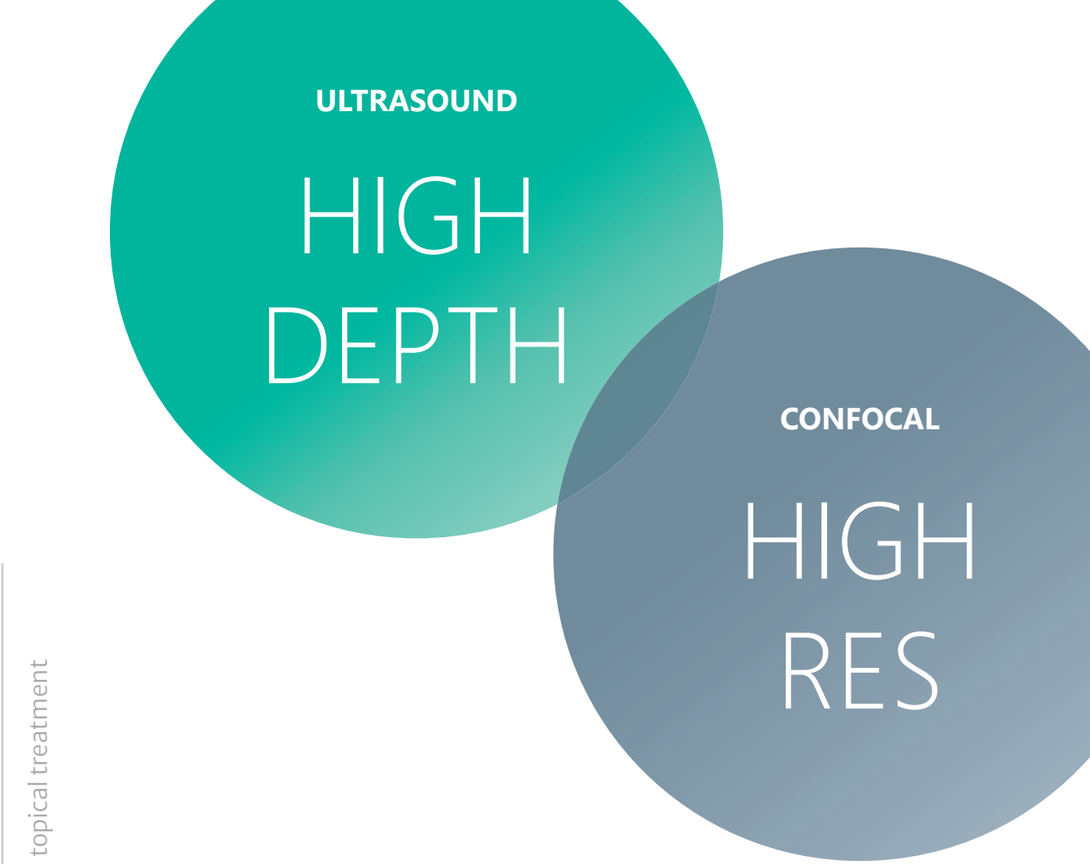
An **integrated solution** including **clinical, dermoscopic**, **confocal and/or ultrasound imaging**.
Our software covers and substantially simplifies the entire imaging chain and patient management.

Diagnose **without cutting and within minutes.**
And start the right treatment immediately.

Confocal + Ultrasound:
Two worlds combined.

Perfect match for BCC. Confirm and plan in one single session.





topical treatment

surgery

Make your **decision.**

One decision: treat topically or excise — with the margin already mapped.

Advantages:

- Depth + Resolution combined
- Confirm and plan in one session and workflow
- Diagnosis, Depth and Margins before excision
- Save time — fewer pathology waits, fewer patient recalls

75.4%
of BCCs are deeper than 1.0 mm*

24.6%
of BCCs are within 1.0 mm*

QUELLE:****

Is it reliable, **precise** and **evidence-based?**

Yes.

More than **one thousand publications** speak for themselves. View our online collection of publications on research topics in the medical, cosmetic and pharmaceutical fields in scientific and medical journals.

The VivaScope technologies have also been **acknowledged** in various **medical guidelines**.

1.200+
publications

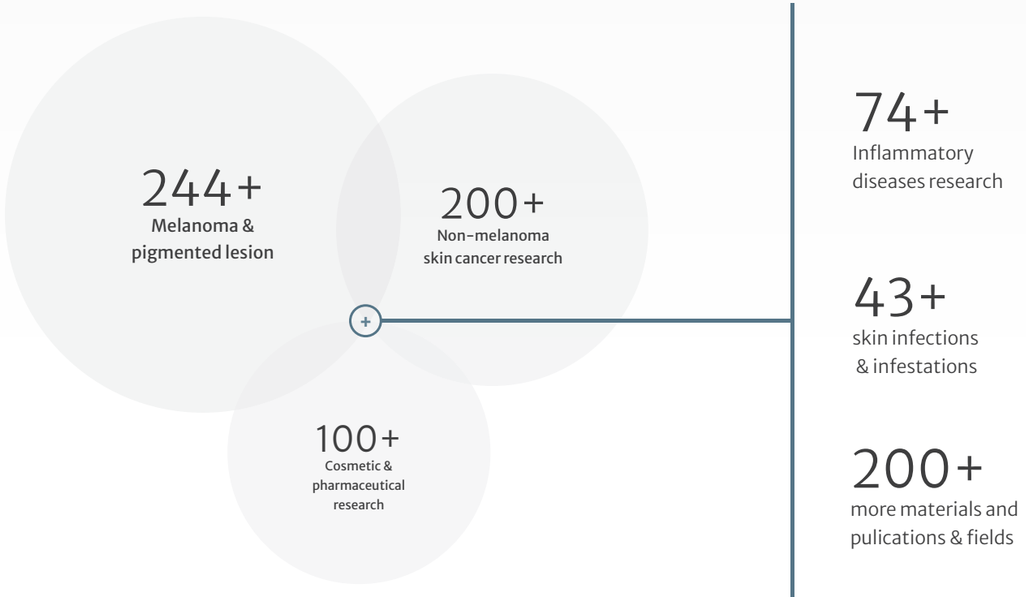
43,4%
fewer biopsies needed

based on a randomized **clinical study** with **3.165 patients**

+ 1.200 publications.
In **various fields**.

VivaScope® technology is well documented in the scientific and medical literature. With the number of publications related to VivaScope technology increasing each month, it can be a challenging to locate an appropriate reference for a specific application.

Visit our **library** www.vivascope.de/publications



Randomized **clinical study**:
43,4% less biopsy needed.

In this prospective study, for the first time, authors conducted an extensive clinical study with **3165 patients** to assess the effectiveness of the systematic integration of RCM, here VivaScope 1500, into the clinical and therapeutic diagnostic pathway of melanoma lesions. **The conclusion:** the adjunctive use of reflectance confocal microscopy for suspicious lesions was associated with a lower number needed to excise, reducing the number of lesions excised.

JAMA Dermatology doi:10.1001/jamadermatol.2022.1570

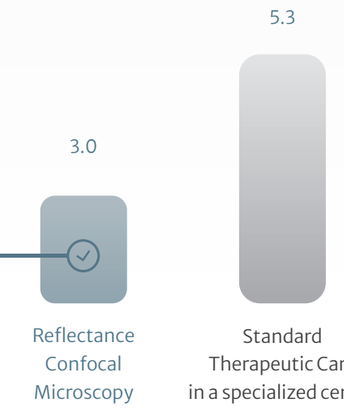
3
Dermatology
Centres in Italy

3165
Patients

1583
Reflectance
Confocal Microscopy

1582
Standard
Therapeutic Care

Result:



Number needed to excise:
Reflectance Confocal Microscopy: 3.0
Standard Therapeutic Care in a specialized center: 5.3

Instant Optical Biopsy

Our in vivo product line allows for a real-time and non-invasive **Instant Optical Biopsy** from the epidermis to the upper dermis. With the VivaScope confocal laser scanning microscopy, the cell morphology of the skin layers is displayed in high resolution.

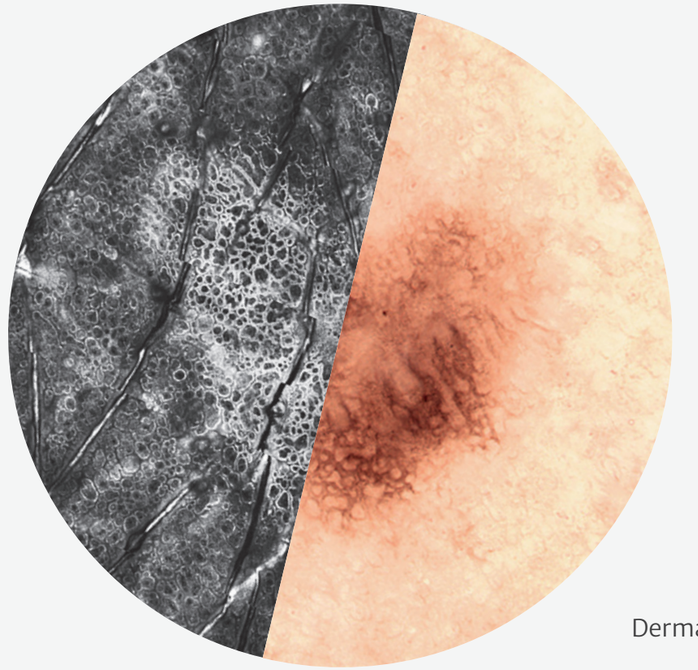
Examining with the VivaScope **means both sparing patients from painful and potentially unnecessary removal of tissue and long waiting time** for the result of an examination. The examination opens a “window into the skin” **without causing pain or damaging it**.

LEARN MORE:

Instant Optical Biopsy

Look into the **skin** of **your patients**

Let’s see more:



VivaScope 1500/3000

Dermatoscopy

All images courtesy of Prof. Dr Elke Sattler, Dr Martina Ulrich, Prof. Dr Julia Welzel

Multiple **applications**

- Melanocytic lesions
- Non-melanocytic lesions
- Preoperative margin control
- Inflammatory diseases & skin infections
- Cosmetic research

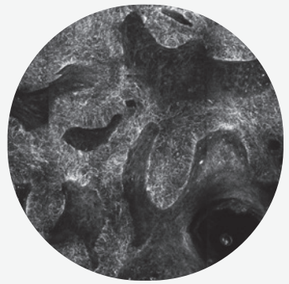
Mentioned in important guidelines

- S3 Guideline on diagnosis, therapy, and follow-up of melanoma (Germany)
- S3 Guideline on prevention of skin cancer (Germany)
- S-Guideline on Actinic keratosis and squamous cell carcinoma of the skin (Germany)
- S2k Guideline on Basal cell carcinoma of the skin (Germany)

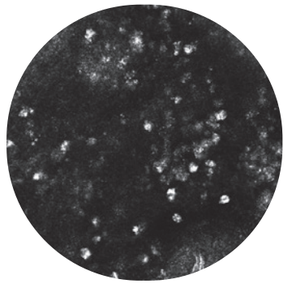
LEARN MORE:

Multiple applications

Non-Melanocytic Lesions

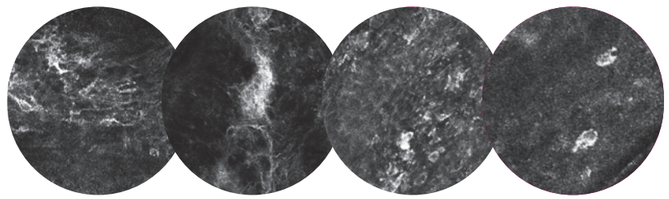


Basal Cell Carcinoma
Actinic Keratosis
Squamous Cell Carcinoma
more



Inflammatory Diseases

Vitiligo
Psoriasis
Lupus
Allergic / Irritant Contact Dermatitis
more



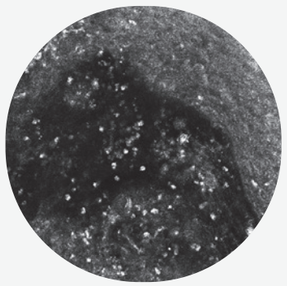
Melanocytic Lesions

Maligna Melanoma
Lentigo Maligna Melanoma
Amelanotic & Vulvar Melanoma
Nevus
more

Skin Infections

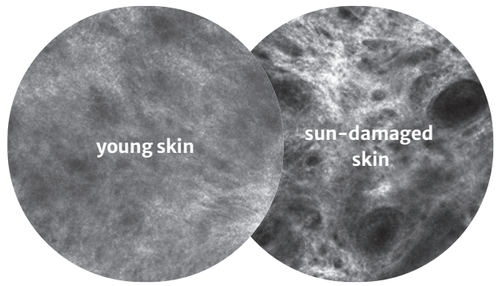
Scabies
Demodex Mites
Tinea
more





Preoperative Margin Control

Facial Lesions
BCC
more



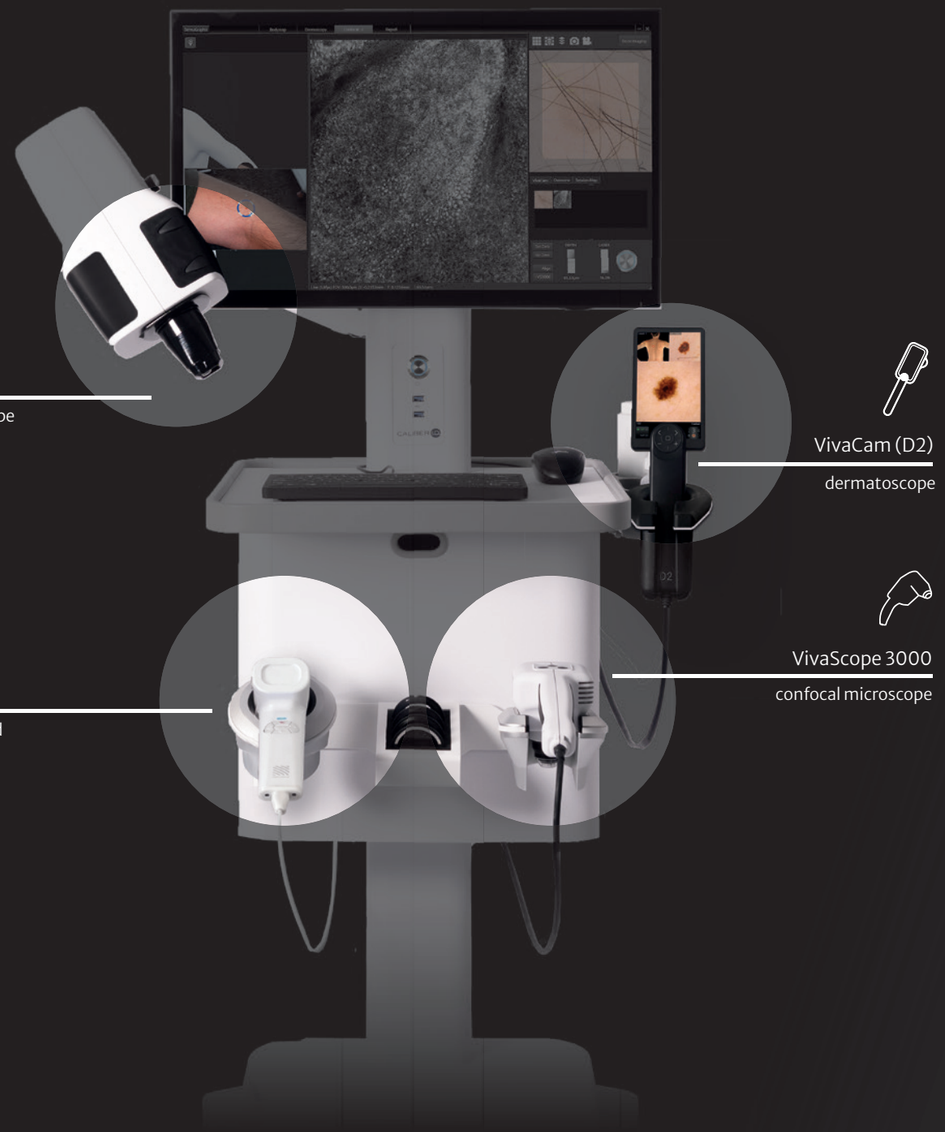
Cosmetic Research

Aging
Hair & Adnexia
Pigmentation / Melasma
more

All images courtesy of Prof. Giovanni Pellacani, Prof. Dr Elke Sattler, Dr Martina Ulrich, Prof. Dr Julia Welzel

All images courtesy of Prof. Dr Elke Sattler, Dr Martina Ulrich, Prof. Dr Julia Welzel

Make it **your VivaScope.**
For your everyday **work.**



VivaScope 1500
confocal microscope

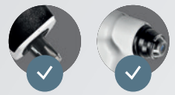
VivaCam (D2)
dermatoscope

Ultra
ultrasound

VivaScope 3000
confocal microscope

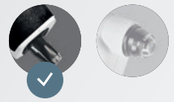
Choose your **System**:

Combo System



VS 1500 VS 3000

1500 System



VS 1500

3000 System



VS 3000

Make it your **Ultra**



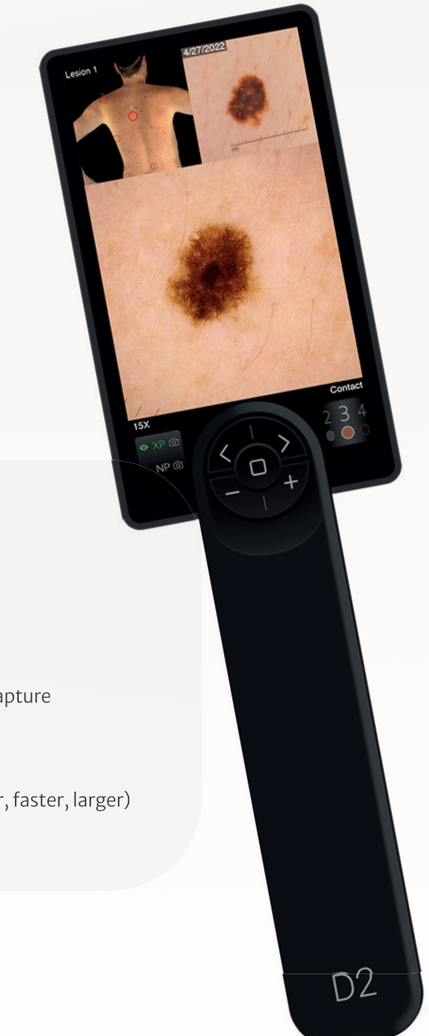
Ultra (Dermus)

All systems **can be provided** with the **dermatoscopic** device **VivaCam (D2)**

Overview of the different **components**

Viva**Cam** (D2)

The **VivaCam (D2)** is a **digital dermatoscope** for clinical and dermatoscopic examination. With an image resolution superior to Full HD, the VivaCam (D2) is an ideal tool for skin assessment of skin. Reliable image quality and uniformity enable follow-ups over the years. **In combination with the VivaScope 1500**, the VivaCam (D2) generates a dermatoscopic overview for navigation during the confocal examination, thus providing detailed information for a comprehensive and reliable diagnosis.



Features:

- High precision optics: 15x - 200x magnification
- Most efficient workflow with multi-touch display
- Sequential cross-polarized, non-polarized and UV capture
- Capture both clinical and dermoscopy images
- 12MP image resolution
- High resolution 1080p touch screen display (brighter, faster, larger)

VivaScope **1500**

The **VivaScope 1500** offers physicians, clinicians, as well as medical and cosmetic researchers the possibility to examine skin non-invasively in vivo, at cellular resolution and in real-time. The VivaScope 1500 provides a non-invasive view into the epidermis all the way down to the superficial dermis. A near-infrared laser (830 nm) penetrates the superficial layers and is reflected by components of the skin.



Features:

- Highly suitable for investigating lesions on the body
- Motorized stage movement ensures complete lesion imaging
- Easy and intuitive handling
- Simple and fast examination allows for delegating the image acquisition to clinical staff.

Application:

- Excellent comparability of images to examine treatment over time (cosmetic and medical research)
- Ideal for standardized routine examination of melanocitic and non-melanocitic lesions on the body

VivaScope **3000**

The VivaScope 3000 is highly suitable for investigating facial lesions, difficult-to-reach skin locations or large skin areas affected, for example, by actinic keratosis or lentigo maligna. Since the examination reveals cellular information of the tissue, enabling the spread of lentigo maligna can be determined very precisely. Pre-surgical mapping of lentigo maligna using the VivaScope 3000 significantly optimizes treatment and improves patient care management.



Features:

- Highly suitable for difficult to reach areas (facial lesions)
- Perfect for investigation of large skin areas
- Compact design and low weight
- For advanced users

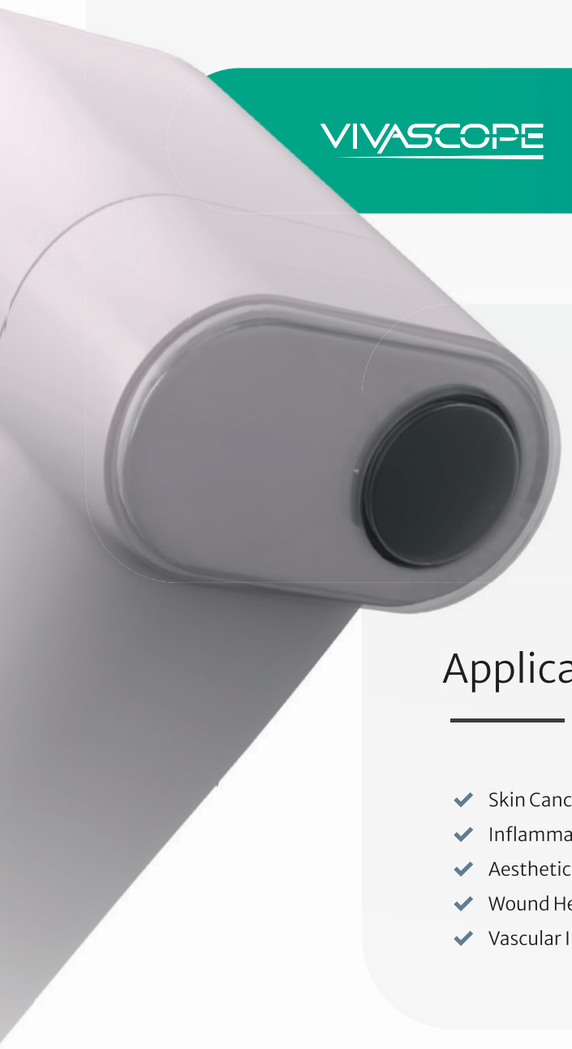
Application:

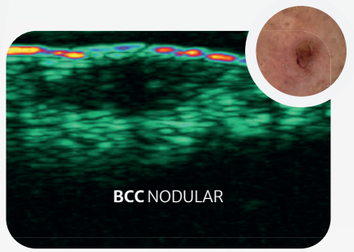
- Diagnosis / confirmation of BCC and lesions on the face
- Margin detection for lentigo maligna
- Rapid screening of equivocal Lesions
- Inflammatory skin diseases
- Biopsy-site selection on large lesions

Ultra

The **Ultra (Dermus SkinScanner)** visualizes surface and subsurface skin structures, measures lesion depth accurately, incorporates Power Doppler vascular imaging, and supports a wide range of dermatological, oncological, aesthetic, and research applications in a one-of-a-kind multimodal platform.

VIVASCOPE + dermus





Applications:

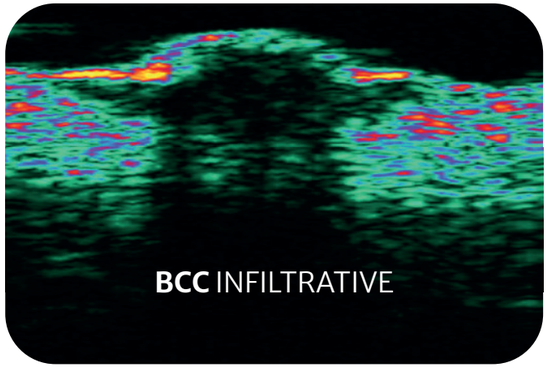
- Skin Cancer Assessment & Surgical Planning
- Inflammatory Skin Disease Evaluation
- Aesthetic Dermatology & Treatment Monitoring
- Wound Healing & Regenerative Medicine Follow-ups
- Vascular Imaging & Structural Analysis

Featured Publications

dermusvision.com/applications



Quantification of skin changes



12 mm
scanning length

Up to 10 mm
depth

Measurements in all dimensions

Our **professional training for you.** So you become the **best dermatologist**.

Service and advice right from the start. The training and education program offered by VivaScope allows users to learn quickly how to operate a VivaScope. An ingenious and comprehensive training program for confocal laser scanning microscopy creates optimal conditions for the profound and competent evaluation of confocal images.

LEARN MORE:

Seminars & Training



After VivaScope Installation

1 Day
Introductory Training
On-Site

Independent Study
with Textbook + Publications
2-3 Months

3 Days
Expert Course
Basic

Expert Course
Advanced
1,5 Days

Continuous
Online Training
with Expert Support (VivaTeach)

Online Media Library
with VivaScope Academy
Continuous

Additional
Expert meetings, networking with experts and professionals.

vivascope.com

