Barco Demetra

Skin imaging platform

BARCO

Re-imagining skin imaging

The increasing prevalence of skin conditions and a shortage of dermatologists means that finding ways to improve the quality and efficiency of care delivery is vital. Barco Demetra represents the next generation of skin imaging. It combines the best of analog and digital skin imaging, allowing dermatologists to take any kind of picture and makes mapping, follow-up and comparison of skin images smoother and smarter. Demetra helps improve diagnostic confidence, streamline and integrate clinical workflows, and enhance the patient experience.

Supporting your clinical practice

Point of care diagnostics

Achieve better informed diagnoses with high-quality digital dermoscopic imaging directly at the point of care.

One device

No more hassle with switching cameras or lenses. From now on, only one device is needed to take any type of picture when screening patients.

Patient satisfaction

Share imaging with the patient in real-time, educating them on their condition and improving patient engagement.

Enable care team workflows

Expand the role of your care team to support on dermoscopic imaging with an intuitive device and workflow that creates consistent, high-quality images to aid in diagnosis.
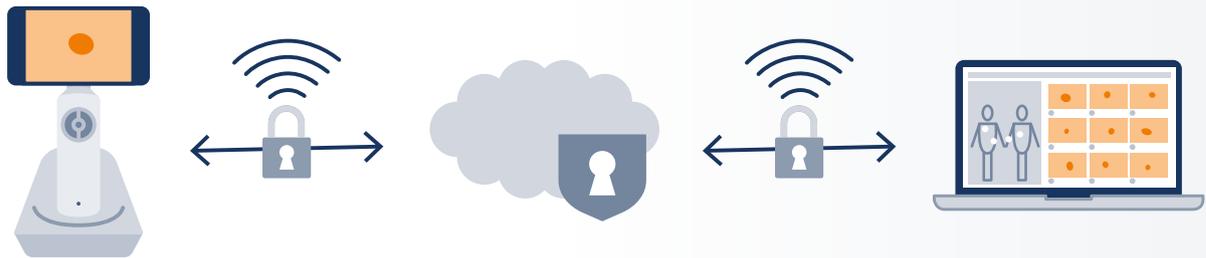
Improve efficiency

Save time in your clinical practice though Demetra's intelligent workflow and reporting.

Integration

Demetra integrates with a range of Electronic Medical Records (EMR) systems.

What is Demetra?

Demetra Scope	+	**Demetra Cloud**	+	**Demetra Web Application**
A dermatoscope with embedded software for acquiring multispectral dermoscopic and clinical images, combined with workflow and analytics tools and connected to the Demetra Cloud via a WiFi network		Software in the cloud where images and other data are processed, analytics and consultation reports are generated and all data is securely stored		Stand-alone web application, accessible through a standard internet browser, for patient record and image management, offering workflow and analytics tools

Easy access to imaging

Images can be instantly and securely stored in the patient's record in the cloud, so are readily available to any clinician with relevant access. This means images can be viewed and compared over time, with changes in conditions easily identified.
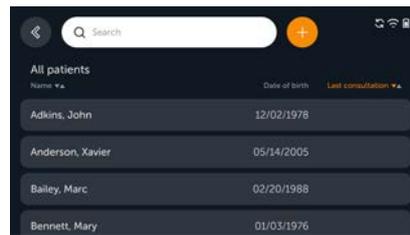
Meeting regulatory standards

Demetra is a secure medical device and cloud-based system designed to meet guidelines of regulatory standards, including HIPPA and GDPR, without the need to install additional software on your PC.

Security by design

Security is a fundamental aspect of the way Demetra has been designed, with multiple layers of security provided across the platform. As a cloud-based service, Demetra offers a robust environment ensuring patient records – including notes, reports, and images – are safe and always available.
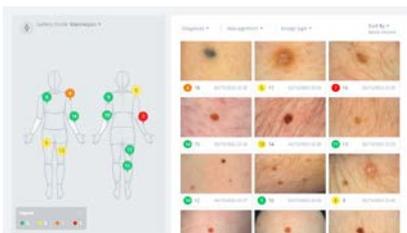
Sample Demetra Workflow

Select patient on Demetra Scope via EMR integration, patient archive or create a new patient

Take Dermoscopic, clinical and/or overview images of the lesion

Localize lesion on the body, add lesion information and compare to prior images if available
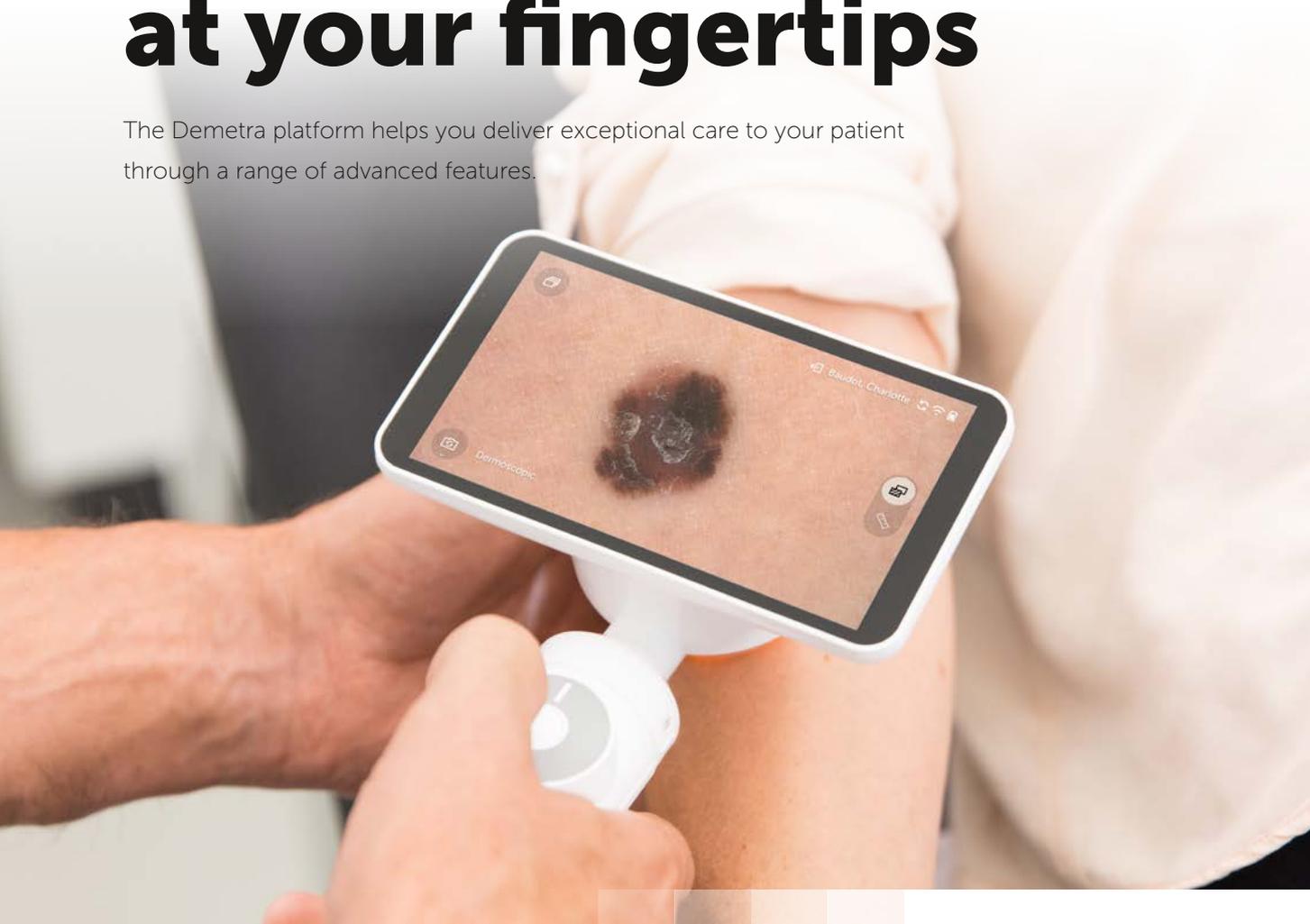

Archive automatically on Demetra Cloud and generate reporting on Demetra Web

Advanced technology at your fingertips

The Demetra platform helps you deliver exceptional care to your patient through a range of advanced features.

Superior image quality

By integrating cutting edge design, superior imaging technology and cloud computing, the Demetra skin imaging system is the pinnacle of Barco's decades of developing advanced medical imaging and clinical workflows.

Smart mapping and follow-up

Demetra allows fluent mapping of skin lesions onto the body. Map the lesions on a mannequin or a clinical overview photograph to make documentation and follow-up smoother and smarter.

Demetra Collaboration*

As a skin imaging platform, Demetra has been designed to support collaborative patient care. Demetra Collaboration allows medical professionals to seamlessly share imaging and patient information with their care team, enabling more patient-centered workflows.
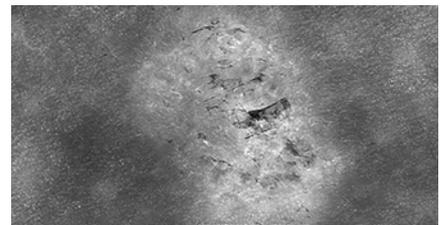
Demetra Analytics

With Demetra Analytics, Barco continues to develop and integrate ground-breaking capabilities designed to support your decisions on the management strategy, diagnosis, treatment and follow-up of skin lesions.
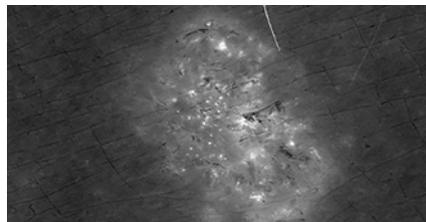
Skin Parameter Maps

Whereas a traditional dermatoscope illuminates the skin with white light only, the Demetra Scope additionally captures a complete set of multispectral images. Through its powerful cloud-based platform, Demetra uses these multispectral images to create visualizations called Skin Parameter Maps, which provide insights of the inner structures of lesions, such as pigment distribution and blood vessels (vasculature).
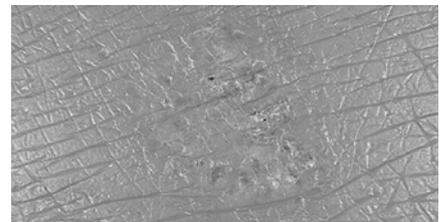

Dermoscopic image

Blood Contrast Map

Pigment Contrast Map

Scatter Contrast Map

Lesion Analytics*

Demetra's Lesion Analytics provides and visualizes automatic lesion contours from the digitally captured image and calculates lesion metrics directly on the device at the point of care. If a prior image of the lesion has been captured by Demetra, the tool can compare and calculate the relative difference between the two sets of metrics, helping to monitor changes in lesions over time.

Become a pioneer at **www.barco.com/demetra**

*Currently not available outside of Europe

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ENABLING BRIGHT OUTCOMES

BARCO