

Xoto Technology GmbH

Innovative products, targeted research and sustainable solutions for medical technology

Case study: Process-oriented image documentation of chronic wounds

Chronic wounds are usually subject to a month-long healing process, which requires a permanent therapy process. The basis for a sustainable treatment is a process-oriented wound documentation including image-documentation. For many years, image documents have been created for this purpose not taking into account any data policies. Additionally the systems used (e.g., cameras, smartphones) do not meet the necessary hygienic standards. The medical documentation is separated from the image documentation (often handwritten or on the PC outside the patient room), time consuming and incomplete. Documents get lost because of the complex case allocation and the cumbersome transfer of data. Incomplete data backup via USB cables, backups on external servers or stand alone solutions makes the location of archived data difficult.

To eliminate these problems, the XotoCAM was developed in close cooperation with the users. The XotoCAM is a unique multimedia documentation system that automates and documents the workflow of e.g. wound treatment. XotoCAM has been developed for imaging, filming, surveying, commenting and archiving data in a clinical environment, easier and more reliable than ever before.

XotoCAM documents wounds together with all the information of the wound assessment and photos made by the 13 megapixel camera with integrated ToF sensor. All information from the wound assessment can be transferred via the HL7 and the DICOM interface into the medical systems via WLAN or LAN connection to the KIS and PACS system.

The XotoCAM is a medical device according to §3, Laws on Medical Devices (MPG). The XotoCAM is disinfectable, water- and dust tight sealed. The housing is made of a special antimicrobial plastic. The display, which is provided with an ESG protective glass, can also be easily operated with surgical gloves.

Statement of Dr. med. Peter Sabisch, medical director of Asklepios Stadtklinik Bad Tölz and chief physician of the clinic for vascular surgery "Only through the XOTOTEC system with connection to the clinic interfaces a modern, safe and fast wound documentation became possible for us".

The XotoCAM can be used as a multimedia documentation system in many different areas.

Visit our website at www.xototechnology.com

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