

Patient identification with a human touch

Deltabit Medi –
the right treatment
for the right patient.



“The right treatment for the right patient”

It is of clear importance for each patient to receive the right treatment. Identification based on fingerprints eliminates the risk of incorrect identification. More than a million identifications have been performed with *Deltabit Medi*, without a single error.

A flexible and compatible solution

Deltabit Medi is compatible with most radiotherapy systems. You can add fingerprint-based identification to either an existing system or a new one. It can be used to ensure that the patient entering the treatment room is the intended radiotherapy recipient and also for sign-in for a treatment appointment.

A pleasant experience for the patient

When undergoing radiotherapy, the patient might be tense. With *Deltabit Medi*, there is as little as possible to worry about. Fingerprint-based identification is easy for patients, because they don't need to remember anything extra or to carry something that is visible to others, such as a barcode bracelet.

The freedom to focus on what matters

Deltabit Medi is easy to use for the treatment staff too. Utilizing *Deltabit Medi* lets them focus on what is essential: taking care of the patients. There's no need to worry about patient identification errors anymore.

The most reliable identification possible

Implementing fingerprint-based patient identification that is reliable throughout a course of radiotherapy treatment is a challenging task. *Deltabit Medi* has been developed to identify even the trickiest fingerprints. Thanks to over a decade of constant improvement, the performance we can offer today is excellent.



Deltabit Medi System

✓ Fingerprint registration

Fingerprint-based identification requires storage of a high-quality fingerprint alongside other patient data. The fingerprint is registered during treatment planning.

Basic patient information is stored in the treatment system linked to *Deltabit Medi*, such as Aria or Mosaicq, so *Deltabit Medi Manager* is used only for managing patients' fingerprints. The whole fingerprint registration process is very simple and takes only 1–3 minutes.

✓ Verification of patient identity

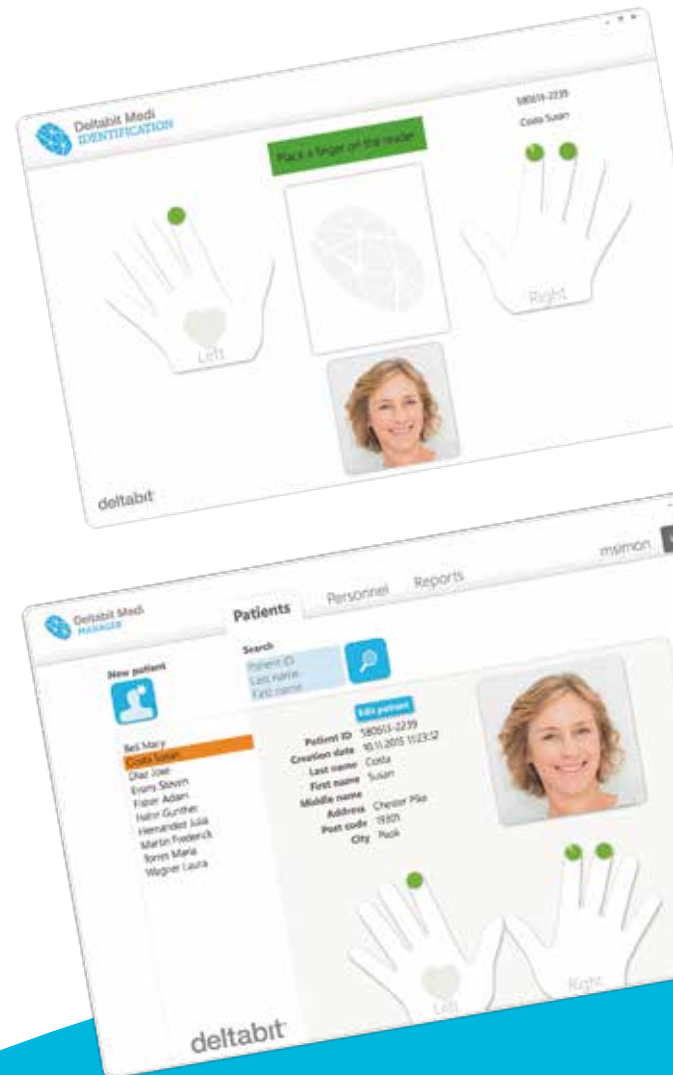
The patient is identified before each treatment session, typically at the entrance to the linear accelerator room.

When a patient's treatment plan is opened in the treatment-delivery system, the *Deltabit Medi Identification* application automatically enters identification mode. When a correct fingerprint is identified, the linear accelerator may be started.

✓ Check-in for the waiting room

With *Deltabit Medi Waiting Room*, patients can check in for their treatment session.

Checking in is simple with this application: the patient touches the fingerprint reader and check-in is complete. When the patient has checked in, the information is registered in the treatment system's scheduler application automatically and the personnel can readily see who is waiting in the waiting room.



SAFE TREATMENT AT TAMPERE UNIVERSITY HOSPITAL

Tampere University Hospital delivers radiotherapy for around 2,000 patients each year, with nearly 40,000 treatment sessions. Deltabit Medi has been in use for all radiotherapy patients since 2006, without any patient identification errors.

– In the past, patients' identity was checked by asking them for their name or social security number," says medical physicist Antti Vanhanen.

This works well in most cases. However, the human aspect creates surprises. For example, there have been cases of patients pretending to be someone else in order to get a more suitable treatment schedule. With the fingerprint-based system, human error is eliminated and correct identification is documented.

– With the aid of the Deltabit Medi system, the possibility of treating the wrong patient has been minimized," Vanhanen emphasizes.





Fingerprint-based identification

Identification by fingerprint is an exceptionally flexible method of human identification. It is already in use in health care, access control, online services, and even in smartphones. Fingerprint-based identification shows surprising diversity of uses.

The fingerprint adds great certainty to identifying someone, because each fingerprint is unique. Even identical twins have different fingerprints. And even if a finger has a cut or the entire hand is in a plaster, there are still enough fingers for performing identification.

Fingerprint-based identification is an easy way to increase patient safety. Why not give it a try?

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