



CENERGY Go!

Patient Identity and Accessory Verification solution



Patient Identification & Monitoring

CNERGY Go!

In healthcare reliable patient identity and accessory verification are crucial. Each patient is different and treatment varies greatly in terms of dosage and body positioning. To ensure that each patient receives the correct treatment, accurate verification of the patient's identity and accessories are essential. Patient identity and patient setup are usually verified by hand, for example, by checking the patient's date of birth or using a setup photo. But manual verification is relatively error sensitive, because it is not integrated in the workflow so there is no 100% guarantee that it is always executed. CNERGY Go! automates and streamlines the patient workflow.

Workflow

1. Upon initial registration of the patient identity, patient scan data is securely encrypted in the system and linked to the patient profile². During accessory registration, it is possible to add treatment setup details and photos to a specific treatment plan.
2. The Check-In Kiosk facilitates efficient patient arrival by instantly providing treatment location and personalized information.
3. The Call-In system directs the patient to the appropriate dressing or consultation room in an efficient and patient-friendly method.
4. Verification of patient identity and accessories ensure that treatment is performed on the right patient with the correct accessories, improving overall workflow efficiency and safety².

Biometric measurement methods

In cooperation with radiotherapy centers Cablon Medical has developed a hand palm vein scanner. This biometric scanner measures the vascular bed to identify the patient. The blood vessel pattern is unique to each person and can be identified with very high accuracy (FAR <0,000001%). CNERGY Go! can verify a patient within a second, including patients undergoing chemotherapy and identical twins².

Modular system

CNERGY Go! is a modular system that allows for both combined and individual* use of its modules. The different modalities ensure that both ambulatory and non-ambulatory patients can be verified without any changes in the procedure. CNERGY Go! offers the following modules: Patient Identity and Accessory Registration, Patient Check-In, Patient Call-In, Patient Identity and Accessory Verification.

* depending on the product

¹ <https://www.fujitsu.com/global/imagesgig5/F-Pro-data-sheet-8-2.pdf>

² https://www.fujitsu.com/il/Images/CS_2017Jul_Radiotherapiegroep.pdf



KEY FEATURES:

- Biometric palm vein scan technology
- The treatment unit cannot be started prior to a positive verification
- Compatible with any type of treatment unit and hospital information system
- CNERGY Go! is certified as a medical device

BENEFITS:

- Patients and accessories are accurately identified to ensure correct treatment¹
- No additional workload due to seamless integration into the existing workflow
- Usable for all patients, including non-ambulatory patients in a bed or wheelchair
- Verification results are recorded for traceability and compliance

CNERGY Go! patient flow

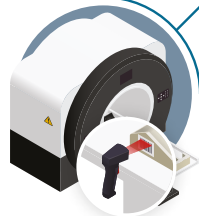


1

Patient Identity and Accessory Registration

At the reception desk, the patient's hands are scanned during their first appointment. The scans are stored in the system as an encrypted code that is inseparably connected to the patient ID.

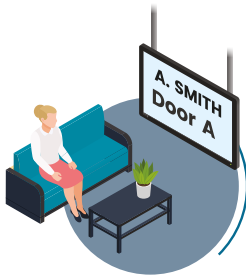
In the CT room, medical staff registers the accessories used for treatment positioning. Optionally, setup photos and notes are added to the patient's record.



2

Patient Check-In

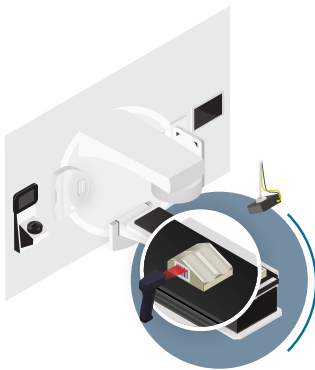
At the Check-In Kiosk, the patient scans their hand during the second and subsequent appointments. The Check-In Kiosk shows treatment information and directs the patient to the waiting area. In the control room, medical staff can monitor patient arrival. Optionally, in combination with Patient Call-In, the Check-In Kiosk also shows an anonymous patient call-in number and additional patient treatment notes.



3

Patient Call-In

In the waiting area, the Call-In TV monitor shows an anonymous call-in number to direct the patient to an available dressing or consultation room. In the control room, medical staff can call the next patient with one single click. Optionally, the Call-In TV monitor also displays customized hospital information.



4

Patient Identity and Accessory Verification

In the treatment room, the Accessory module shows the accessories that are required for patient treatment. Medical staff places the accessories on the treatment table and scans the accessories with a barcode scanner to confirm their presence. This essential verification step ensures that the treatment unit cannot be activated until all accessories are positively verified.

Before each treatment, the patient's hand is scanned either upon entering the treatment room or while on the treatment table. Non-ambulatory patients can be verified with the portable scanner. This mandatory step in patient identification ensures that the treatment unit cannot be activated until a positive verification. If necessary, medical staff can perform a system override.



Room Ambience

A lighting solution for the ceiling or wall gives the illusion of daylight and lifts the atmosphere for patients and medical staff. Lighting and photography come together and create a positive ambience in any space, whether it's a waiting area or a treatment room.



CENERGY Go! is part of the CENERGY Solutions.

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