

BEDSIDE CHECK

The mobile system for the safe management of blood samples and transfusions at the bedside.

Features

Management of three different workflows:

- On-Line operation with bracelets and label printing in the ward: availability of the connection between the Palmar and the BedSideCheck portal and a laser printer in the ward.
- On-Line operation with bracelets and pre-printed labels: availability of the connection between the palmar and the BedSideCheck portal and use of the module containing bracelets and pre-printed labels.
- Off-Line operation with bracelets and pre-printed labels: it can be used routinely or as a back-up of the on-line
- Workflow in case of a network or server failure.
- Safe identification of the patient, collection tubes and units to be transfused
- Traceability of the procedures performed
- Transfusion data entry for blood supervision
- Continuity of operation even in the absence of a network connection (off-line)
- Native integration with all systems of the Gpi4Blood family (Emoweb, e-Delphyn, Hematos IIG, Cursus3)
- Also used in external facilities and clinics that carry out transfusions





Architecture

BedSideCheck is available both on the Windows platform and on the Android terminal, with a simple and immediate operator interface, in line with modern mobile standards.

System components

- Web portal
- Palmar
- Bracelets and labels
- Integration with Gpi4Blood Suite



Compliance

BedSideCheck fully complies with the current legislation on privacy and guarantees maximum levels of security Risk class I certified.



Workflow

- Blood request
- Patient identification
- Identification of blood tubes
- Check of bed patient (operator's ID reading, collection tubes and patient's bracelet, alarm alert for discrepancies)
- Blood units assignment
- Transfusion start control and recording (doctor's ID reading, nurse's ID, patient bracelet and blood unit's ID, alarm alert for discrepancies, alerts for critical clinical news)
- Registration at the end of transfusion (doctor's ID reading, nurse's ID, patient bracelet and blood unit ID, recording transfusion reactions and other transfusion data)



Integration

BedSideCheck has an integration middleware that allows you to easily achieve interoperability with other applications through the standard integration profiles IHE Laboratory Technical Framework, "Laboratory Scheduled Workflow" using HL7 messages in versions 2.x and 3.x.

BedSideCheck supports the activity of palmars at the patient's bed, guaranteeing real-time connection with the transfusion management system and archiving of collected data (relating to samples and transfusions) in the receivers' records:

- **ON-LINE** connection with the central server and with the transfusion software.
- **OFF-LINE** mode after proper synchronization with the central server.

