AKGUN iVital

Intensive Care Unit Automation System

We have digitalized the intensive care process with AKGUN iVital Intensive Care Automation System.
Because every second spent in intensive care is precious ...

Stores all patient and device data in a single data pool and provides them for the use of healthcare professionals.

AKGUN iVital Intensive Care Unit Automation System

Intensive Care Units (ICUs) are the units where patients with critical condition receive treatment. ICUs have complex processes with high cost and they require expertise. Applications and treatments performed in these units are shaped according to the high volume data coming from related units and systems.

With AKGUN iVital Health Information Communication Platform, physiological data produced by various devices in Intensive Care Units can be stored in a single repository, virtualized according to certain criteria, instantly examined by responsible doctors and/or nurses, and based on these vital signs various score calculations can be performed for each patient. Furthermore, it is provided to calculate the vital data trends of the patient with the determined periods on the stored data, and to transmit the early alarms and warnings to the responsible doctors and nurses on the basis of previously defined criteria.

New Experiences in Treatment Processes with AKGUN iVital

Digitalization of Intensive Care Processes

- Instant access and monitoring of patient data in Intensive Care Units remotely,
- Grouped data display: monitoring and grouping patient vital signs in areas such as respiratory, circulatory, lung, neurology, EKG, and ventilator,
- Monitoring of patient's laboratory and blood gas results and generating alarms accordingly,
- Display of Infusor and Perfusor data that can be integrated, monitoring data instantly, monitoring of liquid inlets and outlets,
- Ability to perform activities such as; following up the data that comes from the devices connected to the bed of each patient, following up instant graphical data, following up important findings and patient score information with the special dashboard created for each patient,
- Graphical patient tracking methods based on certain researches, data monitoring in various options, ability to display data in graphical or list form, control of reference intervals in graphs, display of different data in different formats, display of the data in pre-determined time intervals and at the desired time,
- Monitoring of ICU patients through a central patient management screen,
- Score calculations such as APACHE II, SAPS II, SOFA: score calculations according to the data coming from the devices, comparison and detailed examination of the calculated scores, ability to carry out studies to obtain maximum results with minimum data,
- The ability to monitor alarms and warnings generated for each patient in Intensive Care Units from a centralized screen,
- Transmitting and managing alarms of patients and defining escalation rules,
- The ability to access data and alarms/warnings of Intensive Care Unit patients from mobile and web environment,
- Sending alarms and warnings of the ICU patients via SMS.

AKGUN iVital Compliance with International Standards and Integrations

The Health Information Communication platform used for AKGUN iVital complies with international health standards and provides wide and rich integration environment and opportunities. Fully compatible with the interoperability and health information sharing standards HL7 (Health Level 7) and IHE (Integrating Healthcare Enterprise).

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FOR DETAILED INFORMATION, PLEASE CONTACT WITH OUR CUSTOMER REPRESENTATIVE.