

Cardiothoracic Surgery and Anesthesia Data Management System

TECHNOLOGY DESCRIPTION

This technology is a system to be used by anaesthetist to record data of pre-operation, intra-operation and post-operation.

TECHNOLOGY FEATURES

These data are crucial for anaesthetist to make decision regarding medication, and pattern analysis. Besides, these clinical data can be analyzed for further investigations and can be useful for future surgeries. The data can be accessed anywhere as long as there is internet connection and because it is a web-based database application system. Currently, clinical data relevant to anaesthetist are not stored in any computerized system in most hospitals. The Cardiothoracic Surgery and Anaesthesia System is built to help anaesthetist record clinical data during pre-operation, intra-operation and post-operation of cardiothoracic surgery.

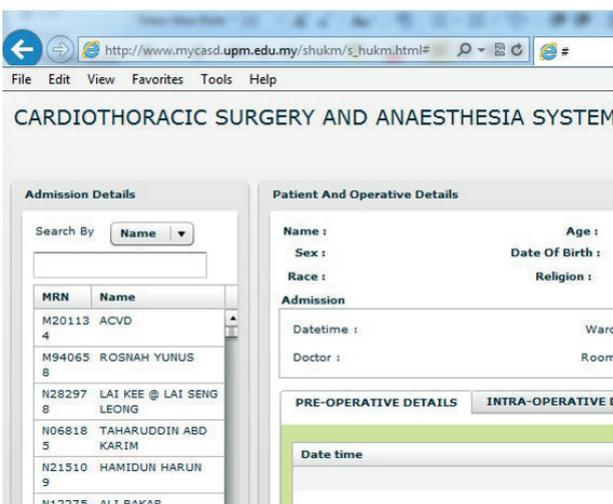
ADVANTAGES

- Reliable system
- Reduces time
- Efficient filing system
- Value added to hospitals that are academic-based

INDUSTRY OVERVIEW

Prospect: Healthcare Industry

The cardiothoracic surgery and anesthesia system would be of potential to the management of hospitals and healthcare industries. Healthcare practitioners are increasingly utilizing technology to serve effectively and efficiently the ever growing hospital and patients' needs. Various activities and processes such as patient data recording, data storage and data analysis have been streamlined using software's and cloud storage systems, leading to significant reduction in healthcare operational costs and errors. Moreover, Internet of Things (IoT) enables centralized monitoring and control of all the operations taking place in healthcare organizations. The adoption of IoT may bring exceptional operational efficiency to hospitals and surgical centers in managing day-to-day clinical operations, and tracking hospitalized patients. The companies are building such solutions around IoT that can have better control over the operational process and reduce the time to provide better care. Cost efficiency, reliability, and safety are the desired goals achieved with IoT applications in the healthcare sector. The global Internet of Things (IoT) healthcare market is estimated to grow from USD 32.4 billion in 2015 to USD 163.2 billion by 2020, at a CAGR of 38.1 %.



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