



Development of Management Information System for Process-Based Activity Based Costing System by Improving Lean Management Techniques and Processes in Newborn Unit of Hospitals and Application in Kahramanmaras Health Application and Research Hospital

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Abstract:

The present study Lean Hospital, Patient and Employee safety is not neglected, Facility security is on the front panel, Preventing waste It is a philosophy aiming at continuous improvement and development, not leaving in scientific lines, using time well, producing quality work. Lean Manufacturing began to be implemented at the Toyota Motor Factory in the early 1950s, first under the leadership of Taiichi Ohno after World War II. In 1989, lean manufacturing techniques were implemented at the Virginia Mason Medical Center in the United States. Cost accounting systems are the central pillar of the operator as a source of information. The traditional cost system in hospital enterprises has been insufficient in the right distribution of increased indirect costs, in the evaluation of opportunities and in the provision of innovations. An activity-based costing system based on the application of lean techniques provides a more reliable and accurate cost management. The main purpose of this project is develop management information system and decision support information system by using information technologies, lean management techniques, lean accounting, process based activity costing, web based, and mobile based programming tools and methods.. In addition, to reduce waste in stock, development of a 3D Printer Kanban stock tracking system for drug. Applied in newborn unit of hospital. Providing managers with quick and accurate information will ensure better management of the institution.

Biography:

Hikmet has completed his PhD at the age of 32 years from Cukurova University and Assistant Professor at Kahramanmaras Sutcu Imam University and Doctor of Business Administration and also Kanban Stock Control Digital



information System Produced in 3D Printer, Turkey. He is kanban stock control digital information system produced in 3D printer. He has published more than 15 papers in reputed journals. He is developing lean healthcare management information system software.

Publication of speakers:

1. Hikmet MARASLI et al; A New Method for Fragmented Ureteral Stent Extraction: Flexible Renoscopy ,2015 Oct 1.
2. Hikmet MARASLI et al; The comparison of high and standard definition computed tomography techniques regarding coronary artery imaging, 2015 Sep; 15.
3. Hikmet MARASLI et al; The retrieval of atrial septal defect closure device embolized into aortic arch ,2016 May; 5
4. Hikmet MARASLI et al, Investigation of the effects of aging on the expression of aquaporin 1 and aquaporin 4 protein in heart tissue, 2017 Jan; 17
5. Hikmet MARASLI et al; Acute generalized exanthematous pustulosis induced by ceftriaxone use ,2014 Aug; 31

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