

## Principles of Risk Management in Surgery Department

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**Abstract :** Surgical procedures aim at preserving human life and improving quality of their life. However, there are many potential risk sources that can cause serious harm to patients. For centuries, managers believed that technical competence of a surgeon is the only key to a successful surgery. But over the past decade, risks are considered in terms of process-based safety procedures, teamwork and inter departmental communication. Aims: This study aims to determine how the process- biased surgical risk management should be done in terms of project management tool named ABS (Activity Breakdown Structure). Settings and Design: This study was conducted in two stages. First, literature review and meeting with professors was done to determine principles and framework of surgical risk management. Next, responsible teams for surgical patient journey were involved in following meeting to develop the process- biased surgical risk management. Methods and Material: This study is a qualitative research in which focus groups with the inductive approach is used. Sampling was performed to achieve representativeness through intensity sampling biased on experience and seniority. Analysis Method used: context analysis of interviews and consensus themes extracted from FDG meetings discussion was the analysis tool. Results: we developed the patient journey process in 5 main phases, 24 activities and 108 tasks. Then, responsible teams, transposition and allocated places for performing determined. Some activities and tasks themes were repeated in each phases like patient identification and records review because of their importance. Conclusions: Risk management of surgical departments is significant as this facility is the hospital's largest cost and revenue center. Good communication between surgical team and other clinical teams outside surgery department through process- biased perspective could improve safety of patient under this procedure.

**Keywords :** risk management, activity breakdown structure (ABS), surgical department, medical sciences

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