

## SYSTEM APPROACH TO THE OPERATING ROOM FOR PATIENT SAFETY

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### INTRODUCTION

In the area of organization of health services is possible to distinguish two types of operational approaches: a systematic and analytical one.

The systemic approach is proposed as a means to more effective management action and is characterized by the aggregation of all elements of the system analyzed together with their interactions. The systems approach shifts the attention from the totality of the evidence that relations between them, and interrelationships suggests that they are divided into sub progressively easier or more manageable and predictable. The analytical approach, however, focuses on the parts broken down and reviewing them unrelated to each other. Apply the first approach in the organization of a surgical means to analyze links between them all aspects of the system are that the surgery such as:

- design and use of equipment
- correct patient information and communication
- Good communication between doctors and nurses
- co-operative team
- work environment.

In error prevention in medicine especially in surgery, System Approaches perspective is that the system must be redrawn at various levels taking into account the safety of the individual patient in order to minimize errors in care.

### DISCUSSION

The operating room is a complex system, as it will add a number of variables such as:

- presence of patients with different diseases
- presence of considerable medico / surgical
- presence of sophisticated technology and equipment
- coordination of the team, not only in routine, but especially in the management of emergencies and emergencies
- need to take immediate decisions and hasty emergency case and / or emergency
- presence of staff from various disciplines, cultures and expertise
- carry out multiple complex procedures on patients with different health conditions.

The presence of all these variables, if not managed properly and efficiently, can cause adverse events whose nature can often be mistakenly attributed to the process of care rather than intra-operative management problems of the department.

Hence the need to apply in a complex system such as operating rooms, System Approaches, in fact, through the application of this method of operation is possible to decompose the "System Operating Room" in all its parts by examining the contribution of each element in determining the adverse events in surgery.

Furthermore, based on information obtained, it is possible to develop operational tools that allow

interaction between the various professional components present in an operating room with respect and safeguard the health of the patient.