## Developing Surgical Audit Database to Measure Performance and Outcome of Surgical Services.

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By

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# " ... surgery without audit is like playing cricket without keeping the score."

(Hugh Brendon Devlin 1932-1998, Founding Director of the Surgical Epidemiology and Audit Unit, Royal College of Surgeons of England)



## Goals & Objectives

Clinical audit is a process used by clinicians who seek to improve patient care. The process involves comparing aspects of care (structure, process & outcome) against explicit criteria



- 1. Descriptive analysis and demographic distribution of patients.
- 2. Mean Total hospital stay, length of preoperative period, length of postoperative period, duration between final decision and actual management and there correlation with diagnosis and surgical procedures.
- 3. Types and categories of surgical procedures performed by surgical units and there correlation with the surgeons performing the procedures (Residents, ....., Professors).
- 4. Number of laboratory, radiological and endoscopic investigations done for patients and their significance in relation to different diseases.
- 5. Morbidity and Mortality rates.
- 6. Specific complication rates and their correlation to different prognostic parameters (ASA, DM, ICU admission, ..... Etc.)
- 7. Pattern of different pathological conditions.
- 8. Need for postoperative adjuvant (or other) therapy (transfer, chemotherapy, radiotherapy, immunotherapy and physiotherapy).
- 9. Re-admission rates after day surgery or within 5 days from discharge.



## Time line

3<sup>rd</sup> October 2011

**Developing Database** 

**Approval Process** 

Designing **Database** 

**Training** residents & **Testing** 

**Data entry** 

**Analysis** and Reporting

Incentives & estimated cost "Budget" = Sustainability



LOGIN | Patients Recd 2/2/st43:05 DRTAREKSAID-PC Dr Tarek Said AutoScreenRecorder Login to Patients Record System Username tareksaid Password \*\*\*\*\*\*\* Login Patients Record System







### 12/21 13:45 DRTAREKSAID-PC Or Tarek Sant AutoScreenRecorder

Reports

Search

**Hanage Lists** 

Admission Section Add Admission
Edit Admission
Past History

Investigation

Surgery





Admission Section

Reports

Search

**Hanage Lists** 

Investigation Surgery Add Investigation **Edit Investigation** 

Dr. Tarek Said Kasr El-Aini Faculty of Medicine, Cairo University







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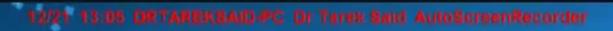
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Admission Section Investigation Surgery Hanage Lists Reports Search

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## **Admission Section** Investigation Surgery **Hanage Lists** Reports Search Search By Diagnosis To: Search "Wate: Write a Diagnosis To Search For









