

**“CLINICAL STUDY ON ASSESSMENT OF POST SURGICAL COMPLICATIONS
ACCORDING TO CLAVIEN DINDO CLASSIFICATION IN OPEN AND
LAPAROSCOPIC ELECTIVE ABDOMINAL SURGERIES ”**

ABSTRACT

Background: The absence of consensus within the surgical community on the best way to report surgical complications has hampered proper evaluation of the surgeon’s work and possibly progress in the surgical field. Hence, Clavien Dindo classification of complications has subsequently been used by us for outcome assessment.

Objective: The aim of this study was to assess the Clavien-Dindo classification among the patients who underwent major elective abdominal surgeries including open and laparoscopic abdominal procedures..

Study design: Prospective descriptive study.

Study population: 214 patients aged 12 years and above undergoing major abdominal surgeries at Madras Medical College & Rajiv Gandhi Govt General Hospital, Chennai were selected by consecutive sampling until the desired sample size was achieved.

Study duration: March 2016 to September 2016

Material and methods:

All abdomen cases admitted to surgical ward for major surgery will be evaluated through history, co-morbid condition and thorough clinical examination on the basis of inclusion and exclusion criteria. Routine investigation will be done and specific investigation like x-ray. USG and CT scan will do depending upon the provisional diagnosis and their requirement. and parameters like operative procedure, length of post-operative period, post operative complication and management recorded and then postsurgical complication classified based on clavien-dindo classification and assessed.

Results

This prospective study involving 214 patients admitted for abdominal pathology who underwent either open or laparoscopic major abdominal procedures included different age group of patients with different co morbid conditions. Post operative complications were studied in each of these patients and graded according to clavien dindo classification.

In this classification, grades I and II include only a minor deviation from the normal postoperative course which can be treated with drugs, blood transfusions, physiotherapy and nutrition, while grades III and IV require surgical, endoscopic or radiologic intervention, and intermediate care or ICU management

This grading system was objective and simple because the data recorded in our database were easily converted into this new classification.

Conclusion

This study demonstrates that Clavien-Dindo classification is a effective and a useful tool for reporting complications following abdominal surgeries in a simple way. any deviation from the normal course following a surgery can be easily distinguished by this classification. it also clearly differentiates the complication severities from one another.

KEYWORDS : CLAVEIN-DINDO, POSTOPERATIVE COURSE, ICU MANAGEMENT