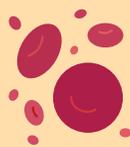


Clavien Dindo Scale of Surgical Complications

All operations have a small risk of complications. **The Clavien Dindo Classification is used to rank the severity of a surgical complication.** It is based on the type of therapy needed to correct the complication. The scale consists of several grades (Grade I, II, IIIa, IIIb, IVa, IVb and V). Grade I complications are usually mild but Grade II and higher complications are more significant. Examples include (but are not limited to): infections requiring antibiotics, blood transfusions or injury to abdominal or pelvic structures.

Grade	Definition
Grade I	<p>Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, and radiological interventions.</p> <p>ALLOWED THERAPIES INCLUDE:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <p>MEDICATIONS TO REDUCE SYMPTOMS (SUCH AS NAUSEA, FEVER, PAIN)</p> </div> <div style="text-align: center;">  <p>ELECTROLYTES</p> </div> <div style="text-align: center;">  <p>PHYSIOTHERAPY</p> </div> </div> <p>This grade also includes wound infections opened at the bedside.</p>
Grade II	<p>Requiring pharmacological treatment with drugs other than such allowed for Grade I complications. Blood transfusions and total parenteral nutrition (TPN) are also included.</p> <p>TREATMENT CAN INCLUDE:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <p>BLOOD TRANSFUSIONS</p> </div> <div style="text-align: center;">  <p>IV IRON</p> </div> <div style="text-align: center;">  <p>TPN</p> </div> <div style="text-align: center;">  <p>ANTIBIOTICS</p> </div> </div>
Grade III Grade IIIa Grade IIIb	<p>Requiring surgical, endoscopic or radiological intervention.</p> <p>Intervention not under general anesthesia. Intervention under general anesthesia.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>ULTRASOUND SCAN</p> </div> <div style="text-align: center;">  <p>CT SCAN</p> </div> </div>
Grade IV Grade IVa Grade IVb	<p>Life-threatening complication (including those affecting the brain) requiring intensive care management.</p> <p>Single organ dysfunction (including dialysis). Multi organ dysfunction.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>
Grade V	<p>Death of a patient.</p>

Reference: Dindo D, Demartines N, Clavien P-A. Classification of surgical complications: a new proposal with evaluation in a cohort of 6336 patients and results of a survey. *Annals of Surgery* 2004;240:205-13.