

Submission No.: PG05-5341

Session : Postgraduate Course 5 (Liver)

Date & Time, Place : November 17 (Thu), 13:00-14:30, Room 3F-1

Session Title : Preoperative Evaluation & Optimization

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## **Perioperative management of acute on chronic liver failure patients**

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Acute on chronic liver failure is a distinct disease entity which carries a high mortality, and liver transplantation is the cure. The patients have an acute decompensation of cirrhosis/ chronic liver disease with the development of hepatic and/or extra-hepatic organ failure. Due to the chronicity of the disease, patients usually are more vulnerable to infections and have longer preoperative and postoperative stay in the Intensive Care Unit, higher rates of pre- and postoperative renal impairment, and higher postoperative complication rates. When considering liver transplantation, concerns include patient selection criteria and preoperative optimization and treatments (e.g. renal replacement therapy, antifungal therapy), as the degree of organ failure may preclude the success of transplantation. One of the alternatives to hasten the liver transplantation process is to use live donor liver, with the obvious dilemma of balancing the risk of donor surgery and the survival outcomes of the patient. In general, uncontrolled sepsis and cardiac risk are contraindications to liver transplantation.