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**Manuscript NO:** 57609

**Manuscript Type:** ORIGINAL ARTICLE

### *Case Control Study*

**Intraoperative thromboelastography as a tool to predict postoperative thrombosis during liver transplantation**

Lesley De Pietri, Roberto Montalti, Giuliano Bolondi, Valentina Serra, Fabrizio Di Benedetto


### **Abstract**

#### BACKGROUND

Thromboembolic complications are relatively common causes of increased morbidity and mortality in the perioperative period in liver transplant patients. Early postoperative portal vein thrombosis (PVT incidence 2.2-6%) and early hepatic artery

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Blood transfusion during liver transplantation is primarily attributed to the correction of complex derangements of hemostasis and to perioperative hemorrhage. The improvement of surgical and anesthesia management had led to an overall significant reduction in intraoperative blood loss among adult liver transplant recipients [22,23]. However ...

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May 21, 2013 · This study, which we believe is the first to examine such a large number of intraoperative data sets, demonstrates that a significant number of patients with end-stage liver disease undergoing liver transplantation present with or develop hypercoagulable thromboelastograms during ...

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Methods. The correlation between **preoperative thromboelastometry** variables in 100 adult living **donor liver transplant recipients** and **intraoperative blood transfusion requirements** was examined by univariate and multivariate linear regression analysis. **Thresholds of thromboelastometric parameters for prediction** of packed red blood cells (PRBCs), fresh frozen plasma (FFP), platelets, and cryoprecipitate ...

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## Intraoperative hypercoagulability during liver ...

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May 21, 2013 · In a review of 27 case reports of **thromboembolic events occurring during liver transplantation**, TEG profiles were hypercoagulable in more than 70% of cases, whereas all conventional coagulation tests indicated hypocoagulability. 18 In addition, most patients **undergoing liver transplantation** do not routinely undergo **thrombophilia** screening, but a genetic component involving prothrombotic gene polymorphisms may be present in some. 32 No patient in our series had an **intraoperative** ...

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Author: Dominik Krzanicki, Anita Sugavanam, Susa...

Publish Year: 2013

## Intracardiac thrombosis during liver transplant: A 17-year ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/lt.24161>

**Intracardiac thrombosis (ICT) during orthotopic liver transplantation (OLT)** is an uncommon event. However, it is a devastating **complication** with high **mortality** when it occurs. This study aimed to identify possible **predisposing factors for ICT during OLT**.

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Jul 14, 2015 · INTRODUCTION. **Liver transplantation** (OLT) has become a particularly successful therapy for patients with end stage **liver** disease. Innovations in surgical techniques, anaesthesiological approaches and **post-operative** care, along with improvements in immunosuppressive regimens, have led to 80%-90% one-year survival rates for transplant recipients and satisfactory long-term overall ...

**Cited by:** 60 **Author:** Paolo Feltracco, Stefania Barbieri, Umber...

**Publish Year:** 2015

### [Intraoperative renal support during liver transplantation ...](#)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/lt.21650>

Dec 24, 2008 · Orthotopic **liver transplantation** (OLT) can be a technically complex and lengthy procedure. 1 The **intraoperative** course can be associated with major alterations to systemic hemodynamics, metabolic control, and coagulation status that require the administration of large volumes of blood products and crystalloid solutions. 2 Continuous renal replacement therapy (CRRT) is now ...

**Cited by:** 104 **Author:** Derek R. Townsend, Sean M. Bagshaw, ...

**Publish Year:** 2009

### [Intraoperative blood loss in orthotopic liver ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4478560>

Jun 27, 2015 · INTRODUCTION. Orthotopic **liver transplantation** (OLT) is the treatment of choice for patients with decompensated end stage **liver** disease[].Historically, **liver transplantation** has been associated with massive blood loss and considerable transfusion requirements[].With improvements in surgical skills, anesthetic technique, graft preservation and overall perioperative management, OLT is ...

**Cited by:** 20 **Author:** Chandra Kant Pandey, Anshuman Singh, ...

**Publish Year:** 2015

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Liver transplantation or hepatic transplantation is the replacement of a diseased liver with the healthy liver from another person. Liver transplant...