

**Patient Characteristics at time of listing****Patient ID\*** \_\_\_\_\_

This should be random number linked to the patient. No patient or center identifiers allowed. Use our random ID generator available at: <https://ldtregistry.org/conversions>. Please also use our Submission and ID database template to link the patient hospital numbers with their IDs: [https://ldtregistry.org/sites/default/files/ID\\_Database.xlsx](https://ldtregistry.org/sites/default/files/ID_Database.xlsx)

**Age** \_\_\_\_\_ years | **Sex** ☐ Male ☐ Female

**Patient height** \_\_\_\_\_ cm | **Patient weight** \_\_\_\_\_ kg

Use our conversion calculator at: [Use our conversion calculator at: https://ldtregistry.org/conversions](https://ldtregistry.org/conversions)

**Patient ethnicity** ☐ Caucasian ☐ Latino/Hispanic  
☐ Middle Eastern ☐ African ☐ Caribbean ☐ South Asian  
☐ East Asian ☐ Mixed

**Etiology of Acute Liver Failure (ALF)**

☐ Paracetamol / Acetaminophen ☐ Drug-induced  
☐ Autoimmune hepatitis ☐ Viral hepatitis ☐ Metabolic  
☐ Indeterminate ☐ Other \_\_\_\_\_

**Comorbidities** ☐ No comorbidities

☐ Cardiac comorbidity (e.g. Atrial fibrillation, Cardiomyopathy, Valvular heart disease)  
☐ Hypertension  
☐ Diabetes mellitus  
☐ Stroke ☐ Asthma  
☐ Thyroid disorder

**Patient carrier of blood borne viruses**

☐ None ☐ HIV ☐ HBV ☐ HSV ☐ Other \_\_\_\_\_

**Patient blood group** ☐ A ☐ B ☐ AB ☐ O**Life support any time prior to transplantation** ☐ None

☐ CRRT/Dialysis  
☐ Ventilation ☐ Vasopressors

**Liver assist Device:** ☐ Yes ☐ No**If Yes:**

☐ Plasma exchange ☐ MARS ☐ Other \_\_\_\_\_

**Hepatic Encephalopathy** (add name of score)

☐ None ☐ Grade 1 ☐ Grade 2 ☐ Grade 3 ☐ Grade 4

[Link to calculator](#)

**Lab results at the time of listing**

Lactate \_\_\_\_\_ mmol/L. pH \_\_\_\_\_. Hemoglobin \_\_\_\_\_ g/l

Platelets \_\_\_\_\_ /nl. White Blood Cell Count (WBC) \_\_\_\_\_ /nl

Creatinine \_\_\_\_\_ µmol/L

Norm: 62-115 µmol/L. Use our unit conversion calculator from mg/dL to µmol/l at <https://ldtregistry.org/conversions>

Bilirubin \_\_\_\_\_ µmol/L

Norm: 5 - 32 µmol/L. Use our conversion calculator from mg/dL to µmol/l at <https://ldtregistry.org/conversions>

INR \_\_\_\_\_ ratio

INR: International normalized ratio

Sodium \_\_\_\_\_ mmol/L. Albumin \_\_\_\_\_ g/L Norm: 35 - 55 g/L.

Factor V \_\_\_\_\_ %, if available. ALT \_\_\_\_\_ U/L AST \_\_\_\_\_ U/L

Fibrinogen \_\_\_\_\_ g/L Norm: 1.5-4.0 g/L.

**Cranial CT:**

brain edema ☐ Yes ☐ No

**Abdomen CT:**

Any evidence for chronic liver disease ☐ Yes ☐ No

**Patient Status 15 Days after listing and not transplanted**

☐ Recovered without transplant  
☐ Died without transplant

**Patient who undergone Transplantation****Type of liver transplantation**

☐ DBD-LTX ☐ DCD-LTX ☐ LDLTX ☐ APOLT (Auxiliary Partial Orthotopic Liver Transplantation) DD-Age: \_\_\_\_\_ LD-Age: \_\_\_\_\_

**Patient operation duration** \_\_\_\_\_ minutes

*Time from skin incision to skin closure in minutes*

**Transplantation ABO-incompatible** ☐ Yes ☐ No

**Intraoperative veno-venous bypass** ☐ Yes ☐ No

**Intraoperative renal replacement therapy** ☐ Yes ☐ No

**Patient transfusion practice based on viscoelastic testing (e.g. TEG or ROTEM)** ☐ Yes ☐ No

*TEG: Thromboelastogram | ROTEM: Rotation thromboelastometry*

**Intraop transfused blood products**

PRC \_\_\_\_\_ (units). FFP \_\_\_\_\_ (units) Platelets \_\_\_\_\_ (units)

Prothrombin complex \_\_\_\_\_ (units) Fibrinogen

concentrate \_\_\_\_\_ (g) Factor XIII \_\_\_\_\_ (units) Factor

VIIa \_\_\_\_\_ (mg). Tranexamic acid \_\_\_\_\_ (g)

**Patient Postoperative Characteristics until Hospital Discharge**

**Length of intensive care unit (ICU) stay** \_\_\_\_\_ days

**Ventilation time before transplant** \_\_\_\_\_ hours

**Ventilation time post transplant** \_\_\_\_\_ hours

*Time from skin closure to extubation*

**Patient postoperative inotropes** ☐ Yes ☐ No

**Post transfused blood products till discharge from hospital**

PRC \_\_\_\_\_ (units). FFP \_\_\_\_\_ (units) Platelets \_\_\_\_\_ (units)

Prothrombin complex \_\_\_\_\_ (units) Fibrinogen

concentrate \_\_\_\_\_ (g) Factor XIII \_\_\_\_\_ (units) Factor

VIIa \_\_\_\_\_ (mg). Tranexamic acid \_\_\_\_\_ (g)

**Patient need for post-transplant renal replacement therapy (RRT)** ☐ Yes ☐ No

**Duration of RRT** \_\_\_\_\_ hours

**Neurologic complication postop** ☐ Yes ☐ No

**Patient Postoperative lab**

**Patient postoperative peak AST (up to day 7 post-transplant)** \_\_\_\_\_ IU/L

*AST: Aspartate aminotransferase*

**Patient postoperative peak ALT (up to day 7 post-transplant)** \_\_\_\_\_ IU/L

*ALT: Alanine aminotransferase*

**Patient bilirubin at day 7 post-transplant** \_\_\_\_\_ µmol/L

*Typical normal ranges 3-25 (µmol/l). Use our conversion calculator from mg/dL to µmol/l: <https://ldtregistry.org/conversions>*

**Patient bilirubin at day 14 post-transplant** \_\_\_\_\_ µmol/L

*if available. Typical normal ranges 3-25 (µmol/l). Use our conversion calculator from mg/dL to µmol/l: <https://ldtregistry.org/conversions>*

**Patient INR at day 7 post-transplant** \_\_\_\_\_ ratio

*INR: International normalized ratio*

**Patient peak Lactate at day 1 post-transplant** \_\_\_\_\_ mmol/L

*Day 1 post-transplant, NOT intraoperative*

**Patient Status 90 Days after listing and transplanted**

Transplanted and recovered ☐ Yes ☐ No

Need retransplantation ☐ Yes ☐ No

Died following transplant ☐ Yes ☐ No