

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://alfregistry.org/conversions>.

Age* ___ years | **Gender*** Male Female

Height* _____ cm | **Weight*** _____ kg

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

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

Carrier of blood borne viruses*

None HIV HBV HSV Other _____

Blood group* A B AB O

Life support any time prior to transplantation* None

CRRT Dialysis Ventilation One Vasopressor
 Two or more Vasopressors (e.g. Norepinephrine, Vasopressin)

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

Plasma exchange MARS Other _____

Hepatic Encephalopathy*

None Grade 1 Grade 2 Grade 3 Grade 4

Laboratory results at the time of listing*

Lactate _____ mmol/L *Norm ≤ 2 mmol/l.* pH ____.

Hemoglobin _____ g/dl *Norm 14-18 g/dl (male), 12-14 g/dl (female).*

Platelets _____ /nl *Norm: 150-400/nl.* White Blood Cell Count (WBC) _____ /nl *Norm 4-11/nl.*

Creatinine _____ μmol/L

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

Bilirubin _____ μmol/L

Norm: 5 - 32 μmol/L. Use our conversion calculator from mg/dL

to μmol/l at <https://alfregistry.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 (Alanine

aminotransferase) AST _____ U/L (Aspartate aminotransferase=

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 if not transplanted*

Recovered without transplant

Died without transplant Other _____

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

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

Duration of surgery _____ 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

Transfusion directed by viscoelastic testing (e.g. TEG or ROTEM) Yes No

TEG: Thromboelastogram | ROTEM: Rotation thromboelastometry

Intraop transfused blood products

Intraoperative transfused Blood Products (if not given, indicate "0")

PRC _____ (units). FFP _____ (units) Platelets _____ (units)

Prothrombin complex concentrate _____ (units) Fibrinogen

concentrate _____ (g) Cryo _____ (units) Factor XIII _____ (units)

Factor VIIa _____ (mg). Tranexamic acid _____ (g).

Pat. Postop. Characteristics until Hospital Discharge

Length of intensive care unit (ICU) stay _____ days

Ventilation time before transplant _____ hours

Ventilation after transplant _____ hours

Time from skin closure to extubation

Patient postoperative inotropes No one

vasopressor two or more vasopressors

Transfused Blood Products Until Hospital Discharge

Intraoperative transfused Blood Products (if not given, indicate "0").

PRC _____ (units). FFP _____ (units)

Platelets _____ (units) Prothrombin complex _____ (units)

Fibrinogen concentrate _____ (g) Cryo _____ (Units) Factor

XIII _____ (units) Factor VIIa _____ (mg). Tranexamic acid _____ (g)

Requirement for post-transplant renal replacement therapy (RRT) Yes No

Duration of RRT _____ hours

Neurologic complication postop Yes No

Patient Postoperative lab

Patient postoperative peak ALT (up to day 7 post-transplant)

_____ IU/L

ALT: Alanine aminotransferase

Postoperative peak AST (up to day 7 post-transplant)

_____ IU/L

AST: Aspartate aminotransferase

Bilirubin on postoperative day 7 _____ μmol/L

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

Bilirubin on postoperative day 14 _____ μmol/L

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

INR on postoperative day 7 _____ ratio

INR: International normalized ratio

Patient peak lactate on postoperative day 1 _____ 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

Recipient status at 1 year post-transplant

12 month follow up not completed yet Yes No

Alive at 1 year post-transplant Yes No

Dead within 1 year post-transplant Yes No

Unknown / lost to follow up Yes No

Recipient days from transplantation to death _____ day

Please fill this part if the patient passed; otherwise, leave it blank.