

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: <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 ☐ Vasopressors

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 _____ μ mol/L

Norm: 62-115 μ mol/L. Use our unit conversion calculator from mg/dL

to μ mol/L at <https://alfregistry.org/conversions>

Bilirubin _____ μ mol/L

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

to μ mol/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).

Patient Postoperative 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 ☐ Yes ☐ No

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 _____ μ mol/L

Typical normal ranges 3-25 (μ mol/L). Use our conversion calculator

from mg/dL to μ mol/L: <https://alfregistry.org/conversions>

Bilirubin on postoperative day 14 _____ μ mol/L

if available. Typical normal ranges 3-25 (μ mol/L). Use our conversion

calculator from mg/dL to μ mol/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.