Supplementary material S1

Summary of selection criteria for first adult liver transplantation in the UK and Ontario, Canada

Indication	UK Criteria	Ontario, Canada Criteria
ALF	 Paracetamol poisoning pH <7.25 24 hours after overdose and after fluid resuscitation PT >100s (INR >6.5) and creatinine >300 μmol/L or anuria and grade 3–4 encephalopathy arterial lactate >5 mmol/L on admission and >4 mmol/L 24 hours after and clinical encephalopathy deterioration (e.g. ↑ICP, FiO2 >50%, ↑inotrope requirements) and 2 of the following 3: PT >100s (INR >6.5), serum creatinine >300 μmol/L or anuria, or grade 3–4 encephalopathy Non-paracetamol aetiologies: clinical encephalopathy and PT >100 (INR >6.5) or three of the following: age >40 years, PT >50s (INR >3.5), jaundice to encephalopathy time >7 days or bilirubin >300μmol/L Wilson's disease: coagulopathy and encephalopathy Budd-Chiari syndrome: coagulopathy and encephalopathy 	King's College Criteria or other validated criteria
Decompensated Cirrhosis	Any aetiology with a UKELD score ≥49	Any aetiology with a Na-MELD score ≥15
НСС	 Single tumour ≤5cm Up to 5 tumours all ≤3cm Single tumour >5cm and ≤7cm with no evidence of tumour progression over a 6-month period with or without locoregional therapy (AFP ≤1,000IU/ml, tumour rupture, extra-hepatic spread and macroscopic vascular invasion are absolute contraindications) 	 TTV ≤145cm³ and AFP ≤1,000 IU/mL (extra-hepatic spread, vascular invasion and HCC mixed with predominance of cholangiocarcinoma are absolute contraindications)
Other	Variant syndrome with a UKELD score <49 diuretic resistant ascites chronic hepatic encephalopathy intractable pruritus hepatopulmonary syndrome recurrent cholangitis polycystic liver disease familial amyloid polyneuropathy familial hypercholesterolaemia hepatic epithelioid haemangioendothelioma	 Na-MELD score 11 – 14 and deemed to have poor prognosis that is not captured by the MELD score (e.g. recurrent cholangitis, refractory ascites) Complications of end-stage liver disease or portal hypertension (e.g. hepatopulmonary syndrome) Metabolic disorders (e.g. Hereditary Transthyretin Amyloidosis, Maple Syrup Urine Disease and Hyperoxaluria type I) Selected cholangiocarcinoma (within the Mayo Clinic protocol) Selected neuroendocrine liver tumours Selected hepatoblastomas

AFP = α-fetoprotein; ALF = acute liver failure; FiO2 = fraction of inspired oxygen; HCC = hepatocellular carcinoma; ICP = intracranial pressure; INR = international normalised ratio; Na-MELD = sodium model for end-stage liver disease score; PT = prothrombin time; TTV = total tumour volume; UKELD = United Kingdom end-stage liver disease score.