

Pediatric Acute Liver Failure

HOSPITALIZATION EVALUATION

04/01/2008
Version 1.3

FORM KEYS
Patient ID ____ - ____ - ____ - ____
Date enrolled ____ - ____ - ____
(mm-dd-yy)

COMPLETION LOG
Data Collector ID _____
Initials
Data Collection ____ - ____ - ____
Date Entered ____ - ____ - ____
Date Verified ____ - ____ - ____
MM DD YY

Hospitalization Evaluation

SECTION I: DEMOGRAPHICS

- 1. Gender: Male Female
- 2. Date of birth ____ - ____ - ____
(mm-dd-yyyy)

3. Is the patient Hispanic, Latino, or Latina?

- No
- Yes

3.1 Specify origin:

- 1 Cuban
- 2 Mexican
- 3 Puerto Rican
- 4 Other: _____

- 4. With what race does the patient identify? (check all that apply)
 - White or Caucasian
 - American Indian or Alaska Native
 - Black or African-American
 - Native Hawaiian or other Pacific Islander
 - Asian
 - Other _____
- 5. Years of education completed: _____ N/A Unknown
- 6. Number of siblings (full or half brothers/sisters): _____

SECTION II: ADMISSION HISTORY

1. Initial hospital admission ____ - ____ - ____
(mm-dd-yy)

- 1a. Hospital transfer Yes No

Date of transfer: ____ - ____ - ____
(mm-dd-yy)

2. Date and time enrolled ____ - ____ - ____ ____ - ____
(24-hour time)

3. Date of onset of jaundice ____ - ____ - ____ N/A, patient not jaundiced
(mm-dd-yy)

4. Symptoms that prompted patient or parent to seek medical attention

	Yes	No	Unk		Yes	No	Unk
Nausea/vomit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lethargy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abdominal pain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Malaise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fever	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seizure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Altered consciousness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jaundice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other, specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- 5. Alcohol use? Yes No Unk
- 6. Ecstasy use within 7 days of onset of symptoms? Yes No Unk

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SECTION III: SYSTEM REVIEW & FAMILY HISTORY

	Patient			Mother			Father & Extended Family (Paternal & Maternal)			Sibling		
1. Cardiomyopathy	Y	N	U	Y	N	U	Y	N	U	Y	N	U
2. Cardiac arrhythmia	Y	N	U	Y	N	U	Y	N	U	Y	N	U
3. Heart disease	Y	N	U	Y	N	U	Y	N	U	Y	N	U
4. Seizure disorder	Y	N	U	Y	N	U	Y	N	U	Y	N	U
5. Myopathy	Y	N	U	Y	N	U	Y	N	U	Y	N	U
6. NASH (fatty liver)	Y	N	U	Y	N	U	Y	N	U	Y	N	U
7. Malignancy	Y	N	U	Y	N	U	Y	N	U	Y	N	U
8. Autoimmune disease	Y	N	U	Y	N	U	Y	N	U	Y	N	U
9. Unexplained liver disease				Y	N	U	Y	N	U	Y	N	U
10. Consanguinity				Y	N	U	Y	N	U			
11. HELLP syndrome				Y	N	U						
12. Severe pre-eclampsia				Y	N	U						
13. AFLP (acute fatty liver pregnancy)				Y	N	U						
14. SIDS										Y	N	U
15. Were maternal serologies performed?				<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unk						



	Pos	Neg	ND	Unk		Pos	Neg	ND	Unk
15.1 HepA IgM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.6 HepC Ab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2 HBsAg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.7 Toxo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.3 HBsAb	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.8 Rubella	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.4 HBcAb	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.9 CMV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.5 HBeAg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.10 Herpes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION IV: MEDICATIONS

1. Drugs taken within last 6 months, prior to initial hospital admission (check all that apply):

	Yes	No	Unk		Yes	No	Unk
Anesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Immunosuppressives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anti TB agents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NSAIDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antibiotics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OTC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anticonvulsants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Psychiatric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes meds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vitamins/nutritional sup.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Estrogens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other, specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Herbals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____			

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2. Medications in last 1 month prior to initial hospital admission (include toxins, herbs, mushrooms, OTC meds, vitamins, anesthetics)

Medication/Toxin Name	Office Use	Date last taken	Total Daily Dose		Duration	
			<input type="checkbox"/> mg	<input type="checkbox"/> µg	<input type="checkbox"/> days	<input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months
_____	____	____-____-____	_____	<input type="checkbox"/> mg <input type="checkbox"/> µg	____	<input type="checkbox"/> days <input type="checkbox"/> months

3. Acetaminophen use? Yes No

↓

<p>3.1 Amount taken:</p> <p><input type="checkbox"/> Single dose →</p> <p><input type="checkbox"/> Chronic use →</p> <p>3.2 Acetaminophen toxicity:</p> <p><input type="checkbox"/> Suicide attempt</p> <p><input type="checkbox"/> Accidental overdose</p> <p><input type="checkbox"/> Unknown</p> <p><input type="checkbox"/> N/A</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <p>3.1.1 Total dose: _____ mg</p> <p>3.1.2 Date taken: ____-____-____</p> <p>3.1.3 Time taken: ____:____</p> </td> <td style="width: 50%;"></td> </tr> <tr> <td colspan="2"> <p>3.1.4 Average daily dose _____ mg</p> <p>3.1.5 Number of days taken: _____</p> <p>3.1.6 Was a dose of >100 mg/kg taken during illness? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>3.1.7 Reason taken:</p> <p><input type="checkbox"/> Fever <input type="checkbox"/> Pain <input type="checkbox"/> Other _____</p> </td> </tr> </table>	<p>3.1.1 Total dose: _____ mg</p> <p>3.1.2 Date taken: ____-____-____</p> <p>3.1.3 Time taken: ____:____</p>		<p>3.1.4 Average daily dose _____ mg</p> <p>3.1.5 Number of days taken: _____</p> <p>3.1.6 Was a dose of >100 mg/kg taken during illness? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>3.1.7 Reason taken:</p> <p><input type="checkbox"/> Fever <input type="checkbox"/> Pain <input type="checkbox"/> Other _____</p>	
<p>3.1.1 Total dose: _____ mg</p> <p>3.1.2 Date taken: ____-____-____</p> <p>3.1.3 Time taken: ____:____</p>					
<p>3.1.4 Average daily dose _____ mg</p> <p>3.1.5 Number of days taken: _____</p> <p>3.1.6 Was a dose of >100 mg/kg taken during illness? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>3.1.7 Reason taken:</p> <p><input type="checkbox"/> Fever <input type="checkbox"/> Pain <input type="checkbox"/> Other _____</p>					

SECTION V: PHYSICAL EXAM (at time of enrollment in registry)

Height: _____ cm Pulse: _____ beats/min

actual estimate 1 in = 2.54 cm Blood pressure: _____ / _____ mmHg

1 lb = 0.45 kg

Weight: _____ kgs

Temperature: _____ °C

Hepatic coma grade: 0 I II III IV not assessable

PRISM score: _____ Date assessed: ____-____-____ not assessed

(mm-dd-yy)

Does the patient have the following:

	Yes	No		Yes	No
Peripheral edema	<input type="checkbox"/>	<input type="checkbox"/>	Hepatomegaly	<input type="checkbox"/>	<input type="checkbox"/>
Capillary refill > 2 secs	<input type="checkbox"/>	<input type="checkbox"/>	Hyper-reflexia	<input type="checkbox"/>	<input type="checkbox"/>
Splenomegaly	<input type="checkbox"/>	<input type="checkbox"/>	Pupillary dilatation	<input type="checkbox"/>	<input type="checkbox"/>
Ascites	<input type="checkbox"/>	<input type="checkbox"/>	Delayed development	<input type="checkbox"/>	<input type="checkbox"/>
Jaundice	<input type="checkbox"/>	<input type="checkbox"/>			

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SECTION VI: LABORATORY TESTS AND SEROLOGIES

Blood Differential	Not Done	Miscellaneous	Not Done
PMN _____ %	<input type="checkbox"/>	Alpha-1-AT P _i type _____	<input type="checkbox"/>
Lymphocytes _____ %	<input type="checkbox"/>	Alpha-1-AT level _____ mg/dL	<input type="checkbox"/>
Eosinophils _____ %	<input type="checkbox"/>	Serum copper _____ µg/ml	<input type="checkbox"/>
Monos _____ %	<input type="checkbox"/>	Urine copper _____ µg/24 hr	<input type="checkbox"/>
Kidney/Electrolytes		Ceruloplasmin _____ mg/dL	<input type="checkbox"/>
Uric acid _____ mg/dL	<input type="checkbox"/>	Alpha-fetoprotein _____ ng/ml	<input type="checkbox"/>
Urine ketones (degree of positivity) - + ++ +++ +++++	<input type="checkbox"/>	Ferritin _____ ng/ml	<input type="checkbox"/>
		Serum iron _____ µg/dL	<input type="checkbox"/>
Liver		T ₄ _____ µg/dL	<input type="checkbox"/>
Factor VII _____ %	<input type="checkbox"/>	TSH _____ IU/ml	<input type="checkbox"/>
Factor V _____ %	<input type="checkbox"/>	Cortisol _____ µg/dL	<input type="checkbox"/>
Alk Phos _____ IU/L	<input type="checkbox"/>	SLA IgG antibody _____ units	<input type="checkbox"/>
Total protein _____ gm/dL	<input type="checkbox"/>	IgG quantitative _____ mg/dl	<input type="checkbox"/>
Amylase _____ IU/L	<input type="checkbox"/>	Serologies Pos Neg	Not Done
CK _____ IU/L	<input type="checkbox"/>	Anti-HAV IgM <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Arterial/Toxins		HBsAg <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
St. BC _____ mEq/L	<input type="checkbox"/>	Anti-HBc <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Urine for heavy metals? <input type="checkbox"/> Pos <input type="checkbox"/> Neg	<input type="checkbox"/>	Anti-HBc IgM <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Urine toxin screen? <input type="checkbox"/> Pos <input type="checkbox"/> Neg	<input type="checkbox"/>	HBeAg <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
If positive, indicate _____		Anti-HBs <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Acetaminophen level _____ mg/L	<input type="checkbox"/>	HBV-DNA <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Pos Neg		Anti-HDV <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Anti-smooth muscle <input type="checkbox"/> <input type="checkbox"/> 1:_____	<input type="checkbox"/>	Anti-HCV <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
ANA <input type="checkbox"/> <input type="checkbox"/> 1:_____	<input type="checkbox"/>	HCV-RNA <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
pANCA <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	Anti-HEV <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Anti-LKM <input type="checkbox"/> <input type="checkbox"/> 1:_____	<input type="checkbox"/>	Anti-HIV <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
		B-hCG <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

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SECTION VII: VIRAL STUDIES (if positive result, record Source code)

Infectious Disease	Culture			Antigen			Antibody (IgM)			PCR			Hybridization		
Adenovirus	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
Paramyxovirus	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
Herpes simplex	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
HHV-6	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
CMV	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
EBV	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
Parvovirus	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
ECHO virus	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
Other _____	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND
Other _____	+	-	ND	+	-	ND	+	-	ND	+	-	ND	+	-	ND

Source codes: 1=blood 2=tracheal aspirate 3=urine 4=liver tissue 5=stool 6=naso-pharyngeal

SECTION VIII: INFECTIONS (Check if sample was tested and record all positive cultures and date of first positive sample)

Site (check if sample tested)	Date 1 st positive sample	S aureus	S epid	S pneum	E coli	Klebsiella	Fungus	Other specify	Outcome (Resolved or Continuing)
<input type="checkbox"/> Blood	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C
<input type="checkbox"/> Tracheal aspirate	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C
<input type="checkbox"/> Urine	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C
<input type="checkbox"/> Catheters	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C
<input type="checkbox"/> Wounds	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C
<input type="checkbox"/> Ascites	____-____-____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	R C

Anti-microbials Used	Anti-microbial code (office use)	Prophylaxis	Bowel Decontamination	Infection Therapy
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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SECTION IX: METABOLIC STUDIES

	Abnormal		Normal	Not Done
	Diagnostic	Non-specific		
Urine organic acids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serum amino acids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urine reducing substances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Skin fibroblasts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bile acid profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Galactosemia screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acylcarnitine profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Urine succinylacetone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mitochondrial studies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glycogen storage disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION X: SCANS, MONITORING, LIVER BIOPSY

Test	Date Performed	Findings
<input type="checkbox"/> CT or MR of brain	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Hemorrhage <input type="checkbox"/> Herniation <input type="checkbox"/> Edema
<input type="checkbox"/> CT of abdomen	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Ascites <input type="checkbox"/> Inhomogenous
<input type="checkbox"/> Ultrasound of abdomen	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Ascites <input type="checkbox"/> Hypoechoic liver Doppler performed? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, <input type="checkbox"/> Patent with normal flow <input type="checkbox"/> Patent with reverse flow <input type="checkbox"/> Vessel occluded
<input type="checkbox"/> EEG	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Seizure <input type="checkbox"/> Slowing
<input type="checkbox"/> Liver biopsy ↓ Electron Microscopy <input type="checkbox"/> Yes <input type="checkbox"/> No Method: <input type="checkbox"/> Needle <input type="checkbox"/> Transjugular <input type="checkbox"/> Wedge (surgery)	____-____-____	<input type="checkbox"/> Steatosis <input type="checkbox"/> Giant cell hepatitis <input type="checkbox"/> Necrosis → <input type="checkbox"/> Panlobular <input type="checkbox"/> Centrilobular <input type="checkbox"/> Focal <input type="checkbox"/> Fibrosis → <input type="checkbox"/> Portal <input type="checkbox"/> Cirrhosis <input type="checkbox"/> Bridging → <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Skin biopsy	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Diagnostic <input type="checkbox"/> Not diagnostic
<input type="checkbox"/> Muscle biopsy	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Diagnostic <input type="checkbox"/> Not diagnostic
<input type="checkbox"/> Bone marrow biopsy	____-____-____	<input type="checkbox"/> Normal <input type="checkbox"/> Diagnostic <input type="checkbox"/> Not diagnostic

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SECTION XI: LIST STATUS

1. Ever listed for transplant:

Yes →

1.1 Date of initial listing: ____ - ____ - ____ (mm-dd-yy)
 1.2 At listing: UNOS status ____ MELD/PELD score ____
 1.3 Currently listed:
 Yes → Current UNOS status: ____
 Current MELD/PELD score: ____
 No → Date removed from list ____ - ____ - ____
 Primary reason removed from list (check one):
 Improved Irreversible brain damage
 Sepsis Medically unsuitable
 Other _____

No →

1.4 Primary reason not listed (check one):
 Not sick enough, too well Irreversible brain damage
 Sepsis Active substance abuse
 Inadequate social support Active psychiatric disease
 Medically unsuitable Other _____

SECTION XII: OUTCOME (at time of hospital discharge, transplant, or death)

1. Hospital discharge →

1.1 Date of discharge: ____ - ____ - ____
 1.2 Location of patient:
 Home
 Not home, specify location _____

2. Transplant →

2.1 Date of transplant: ____ - ____ - ____
 2.2 Type of transplant (check one):
 Whole Auxiliary Reduced Split liver
 Living-related Hepatocyte Other _____
 2.3 ABO compatible liver? Yes No
 2.4 Resected liver weight: _____ gm
 2.5 Resected liver histology (check all that apply)
 Necrosis Fibrosis Inflammation
 Steatosis Storage

3. Died →

3.1 Date of death: ____ - ____ - ____
 3.2 Major underlying cause of death: ____ (see codebook)
 3.3 Autopsy performed: Yes No
 ↓
 Was parent/guardian approached to obtain consent to collect registry samples at time of autopsy? Yes No
 ↓
 Was consent obtained? Yes No

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SECTION XIII: DIAGNOSIS

At Enrollment (check one)

- Acetaminophen
- Shock/ischemia
- Metabolic liver disease →
- Budd-Chiari
- Neonatal iron storage disease
- Respiratory chain deficit
- Wilson's disease
- Alpha-1-antitrypsin
- Other _____
- Hemophagocytic syndrome
- Venocclusive disease
- Tyrosinemia
- Fatty acid oxidation _____
- Mitochondrial _____

- Hepatitis →
 - Viral:
 - A
 - B (±delta)
 - C
 - E
 - EBV
 - CMV
 - Herpes simplex
 - Other _____
 - Autoimmune
 - Drug-induced, agent _____

- Other _____
- Indeterminate

Final (check all that apply – rank if more than one)

- Acetaminophen
- Shock/ischemia
- Metabolic liver disease →
- Budd-Chiari
- Neonatal iron storage disease
- Respiratory chain deficit
- Wilson's disease
- Alpha-1-antitrypsin
- Other _____
- Hemophagocytic syndrome
- Venocclusive disease
- Tyrosinemia
- Fatty acid oxidation _____
- Mitochondrial _____

- Hepatitis →
 - Viral:
 - A
 - B (±delta)
 - C
 - E
 - EBV
 - CMV
 - Herpes simplex
 - Other _____
 - Autoimmune
 - Drug-induced, agent _____

- Other _____
- Indeterminate

SECTION XIV: COMMENTS: Yes No

IF YES
