PO

LTD

NIDDK

Liver Transplantation Database

PATHOLOGY AND FINAL DIAGNOSIS FORM

for

THE NATIVE LIVER

01/30/1991

COMPLETION LOG

Data Collector ID _____-_____
Center Initials

DATE

Data Collection _____/_____/_____

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Sysid _____

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MM DD YY

FORM KEYS

Patient ID _____

PO

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SURGICAL # _____-_____
PATIENT ID _____-_____

DATE OF SPECIMEN _____/_____/_____
MM DD YY

To be completed by the pathologist after the clinical evaluation of the patient is complete and tissue specimen evaluation is concluded.

I. SOURCE OF SPECIMEN (check one)

1. Biopsy/slide __ 2. Excised liver __

II. PATHOLOGIC DIAGNOSIS(ES)

More than one may be appropriate. Rank diagnosis(es) as 1, 2, 3, . . . in the perceived order of importance.

1. ACUTE HEPATIC NECROSIS

__ 1.1 Drug exposure _____
specify (30 char)
__ 1.2 Toxin exposure _____
specify (30 char)
__ 1.3 Trauma
__ 1.4 Viral hepatitis - type A
__ 1.5 Viral hepatitis - type B
__ 1.6 Viral hepatitis - type B + delta
__ 1.7 Viral hepatitis - type C
__ 1.8 Viral hepatitis - Epstein Barr virus
__ 1.9 Viral hepatitis - Herpes simplex
__1.10 Probably viral
__1.11 Unknown
__1.12 Other _____
specify (30 char)

2. CHRONIC ACTIVE HEPATITIS (WITH/WITHOUT CIRRHOSIS)

__ 2.1 Autoimmune hepatitis
__ 2.2 Drug induced _____
specify (30 char)
__ 2.3 Granulomatous hepatitis, cause uncertain
__ 2.4 Post-hepatitic (presumed viral)
__ 2.5 Viral hepatitis - type B
__ 2.6 Viral hepatitis - type B + delta
__ 2.7 Viral hepatitis - type C
__ 2.8 Cause uncertain
__ 2.9 Other _____
specify (30 char)

SURGICAL # _____-_____

3. BILIARY CIRRHOSIS

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__ 3.1 Biliary atresia (intrahepatic - syndromatic)
__ 3.2 Biliary atresia (intrahepatic - nonsyndromatic)
__ 3.3 Biliary atresia (extrahepatic)
__ 3.4 Biliary atresia (combined intra- and extrahepatic)
__ 3.5 Choledochal cyst
__ 3.6 Cystic fibrosis
__ 3.7 Histiocytosis X
__ 3.8 Primary biliary cirrhosis
__ 3.9 Sclerosing cholangitis - intrahepatic only
__3.10 Sclerosing cholangitis - extrahepatic only
__3.11 Sclerosing cholangitis - intra- and extrahepatic
__3.12 Secondary biliary cirrhosis _____
specify cause (30 char)
__3.13 Other _____
specify (30 char)

4. METABOLIC DISORDERS
__ 4.1 Alpha-1-antitrypsin deficiency (homozygous)
__ 4.2 Alpha-1-antitrypsin deficiency (heterozygous)
__ 4.3 Glycogen storage disease - type I
__ 4.4 Glycogen storage disease - type IV
__ 4.5 Hyperlipidemia (LDL receptor deficiency)
__ 4.6 Hemochromatosis (primary, genetic)
4.6.1 Specify tissue iron level if available _____ (dry wt)
__ 4.7 Hemochromatosis (secondary) _____
specify (30 char)
__ 4.8 Neurovisceral storage disease
4.8.1 Were enzyme studies done? Yes__ No__
__ 4.9 Tyrosinemia
__4.10 Wilson's disease
4.10.1 Specify tissue copper level if available _____ (dry wt)
__4.11 Familial cholestasis (including Byler's disease) _____
specify (30 char)
__4.12 Other _____
specify (30 char)

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5. NEOPLASTIC

__ 5.1 Angiosarcoma

5.1.1 Toxin exposure? Yes__ No__

__ 5.2 Hemangioma

__ 5.3 Hepatocellular adenoma(s)

__ 5.4 Hepatocellular carcinoma (non-cirrhotic liver)

__ 5.5 Hepatocellular carcinoma (cirrhotic liver)

__ 5.6 Hepatocellular carcinoma (fibrolamellar type)

__ 5.7 Hepatoblastoma

__ 5.8 Cholangiocarcinoma (hilar type)

__ 5.9 Cholangiocarcinoma (peripheral type)

__5.10 Carcinoid - primary

__5.11 Carcinoid - metastatic

__5.12 Epithelioid hemangioendothelioma

__5.13 Combined hepatocellular and cholangiocarcinoma

__5.14 Evidence of extracapsular extension

__5.15 Evidence of hilar nodal metastasis

__5.16 Microscopic vascular invasion

__5.17 Other _____
specify (30 char)

6. OTHER

__ 6.1 Budd-Chiari syndrome (outflow obstruction) _____
specify cause (30 char)

__ 6.2 Alcoholic cirrhosis

__ 6.3 Cryptogenic cirrhosis

__ 6.4 Chronic toxin or drug exposure - agent and duration _____
specify (30 char)

__ 6.5 Intrahepatic veno-occlusive disease

__ 6.6 Focal nodular hyperplasia(s)

__ 6.7 Nodular transformation

__ 6.8 Biliary cystic disease _____
specify (30 char)

__ 6.9 Congenital hepatic fibrosis

__6.10 Sarcoidosis

__6.11 Amyloidosis

__6.12 Other _____
specify (30 char)

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III. IS TISSUE AVAILABLE FOR FURTHER STUDY? Yes__ No__

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IF YES, check the form of tissue storage

__ 1. Paraffin embedded, formalin fixed
__ 2. Paraffin, embedded, other fixative _____
specify (30 char)
__ 3. Frozen in OCT compound
__ 4. Bulk frozen
__ 5. Bulk formalin fixed
__ 6. Fixed for electron microscopy, fixative _____
specify (30 char)
__ 7. Plastic embedded: 1. EM __ 2. Light __
__ 8. Other _____
specify (30 char)

IV. FINAL DIAGNOSIS

This diagnosis should be the best and final diagnosis as suggested by the clinical, serum biochemical, serologic, and histologic evaluation, and as the result of a consensus of opinion of the clinician and the pathologist. The primary diagnosis should be that disease for which the transplant was performed.

1. Primary diagnosis: enter code from the list of Liver Disease Diagnoses; and specify as appropriate.

	Code	**Specification** (for #5, 9, 12, 17, 19, 20, 27, 28, 32, 35)
1.1	_____	_____ specify (30 char)

2. Basis for diagnosis (check all that apply)

__ 2.1 Liver pathology (gross and microscopic)
__ 2.2 Laboratory test results
__ 2.3 Radiology
__ 2.4 Clinical history
__ 2.5 Other _____
specify (30 char)

3. Secondary diagnoses: enter code from the list of Liver Disease Diagnoses, and specify as appropriate.

	Code	**Specification** (for #5, 9, 12, 17, 19, 20, 27, 28, 32, 35)
3.1	_____	_____
3.2	_____	_____
3.3	_____	_____ specify (30 char)

4. If malignancy present in original liver, was this known before surgery?

Yes__ No__ Not applicable__

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V. COMMENTS: Yes__ No__

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IF YES

(60 char/line)

LIVER DISEASE DIAGNOSES

1. Acute hepatitis A
2. Acute hepatitis B
3. Acute hepatitis B and D
4. Acute hepatitis C
5. Acute hepatitis other (specify: e.g. drug or toxin, presumed viral, CMV, EBV, etc.)
6. Acute hepatitis of unknown cause
7. Alcoholic liver disease (Laennec's cirrhosis)
8. Alpha-1-antitrypsin deficiency
9. Benign tumor (specify: e.g. adenoma)
10. Biliary atresia
11. Budd-Chiari syndrome
12. Chronic cholestatic syndrome of childhood (specify: e.g. Bylers, Alagilles, non-syndromatic paucity of bile ducts, etc.)
13. Chronic autoimmune (lupoid) hepatitis/cirrhosis
14. Chronic hepatitis B/cirrhosis
15. Chronic hepatitis B and D/cirrhosis
16. Chronic hepatitis C/cirrhosis
17. Chronic hepatitis/cirrhosis other (specify: e.g. drug or toxin, presumed viral, etc.)
18. Chronic hepatitis/cirrhosis of unknown cause
19. Congenital biliary and fibrocystic disease (specify: e.g. congenital hepatic fibrosis, Caroli's disease, polycystic liver disease, choledochal cyst, etc.)
20. Glycogen storage disease (specify type)
21. Hemochromatosis
22. Homozygous hypercholesterolemia
23. Hyperalimentation-induced liver disease
24. Malignancy, cholangiocarcinoma
25. Malignancy, fibrolamellar hepatocellular carcinoma
26. Malignancy, hepatocellular carcinoma
27. Malignancy, other (specify: e.g. angiosarcoma, hemangioendothelioma, hepatoblastoma, etc.)
28. Metastatic malignancy (specify: e.g. carcinoma of breast, colon, lung, etc.)
29. Neonatal or pediatric post-hepatitic cirrhosis
30. Primary biliary cirrhosis
31. Primary sclerosing cholangitis
32. Secondary biliary cirrhosis (specify cause: e.g. gall stones, stricture, etc.)
33. Tyrosinemia
34. Wilson's disease
35. Other (specify: e.g. trauma, cystic fibrosis, etc.)