



NIDDK  
Liver Transplantation Database  
**POST-TRANSPLANT - PATHOLOGY**  
**FAILED ALLOGRAFTS AND AUTOPSIES**

01/30/1991

COMPLETION LOG

Data Collector ID \_\_\_\_\_ - \_\_\_\_\_  
Center Initials

DATE

Data Collection \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Data Entry \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Sysid \_\_\_\_\_

Verification \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Cleaned \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Transfer \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
MM DD YY

SURGICAL # \_\_\_\_\_ - \_\_\_\_\_

PATIENT ID \_\_\_\_\_ - \_\_\_\_\_

FORM KEYS

Patient ID \_\_\_\_\_

Transplant No. \_\_\_\_\_

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TRANSPLANT NO. \_\_\_\_\_

DATE OF SPECIMEN \_\_\_\_/\_\_\_\_/\_\_\_\_  
MM DD YY

This form is to be filled out by the PATHOLOGIST in conjunction with the PP form for failed allograft or autopsy cases.

I. GROSS SPECIMEN DESCRIPTION

1.1 SOURCE OF SPECIMEN: 2. Failed allograft\_\_ 3. Autopsy\_\_

1.2 GROSS EXAMINATION: Weight \_\_\_\_\_gm

2. ANASTOMOSIS(ES) (check all that apply under each category):

2.1 PORTAL VEIN ANASTOMOSIS:

- 1. Intact\_\_ 2. Thrombus\_\_ 3. Infection\_\_
- 4. Dissection\_\_ 5. Leakage\_\_ 6. NA\_\_

2.2 HEPATIC ARTERY (including arterial grafts):

- 1. Intact\_\_ 2. Thrombus\_\_ 3. Infection\_\_
- 4. Dissection\_\_ 5. Leakage\_\_ 6. NA\_\_

2.3 BILIARY TRACT:

- 1. Intact\_\_ 2. Infarct\_\_ 3. Infection\_\_
  - 4. Obstruction/Dilatation\_\_ 5. Dehiscence\_\_ 6. Strictures\_\_
  - 7. Fistulas\_\_ 8. Other\_\_ \_\_\_\_\_ 9. NA\_\_
- specify (30 char)

2.4 VENA CAVA (superior anastomosis):

- 1. Intact\_\_ 2. Thrombus\_\_ 3. Infection\_\_ 4. Dissection\_\_
  - 5. Strictures\_\_ 6. Other\_\_ \_\_\_\_\_ 7. NA\_\_
- specify (30 char)

2.5 VENA CAVA (inferior anastomosis):

- 1. Intact\_\_ 2. Thrombus\_\_ 3. Infection\_\_ 4. Dissection\_\_
  - 5. Strictures\_\_ 6. Other\_\_ \_\_\_\_\_ 7. NA\_\_
- specify (30 char)

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3. ALLOGRAFT PATHOLOGY (hepatic parenchyma):

3.1 Essentially normal: Yes\_\_ No\_\_

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IF NO

3.1.1 Type of grossly evident defect (check all that apply)

- 1. Infarct(s)
- 2. Abscess(es)
- 3. Hematoma(s)
- 4. Laceration(s)
- 5. Scar(s)
- 6. Bile leak(s)
- 7. Tumor(s)
- 8. Other \_\_\_\_\_

specify (30 char)

IF PRESENT, code location(s)  
 in the space(s) provided.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Location codes:

1=right lobe, 2=left lobe, 3=random  
 4=subcapsular, 5=hilar, 6=peri-hilar

4. Tissue available for further study if needed? Yes\_\_\_ No\_\_\_

IF YES, check the form of tissue storage

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

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**II. ADDITIONAL GROSS PATHOLOGIC DIAGNOSIS(ES) - based on Gross Specimen Findings  
 FOR FAILED ALLOGRAFTS AND AUTOPSIES ONLY**

**Rank diagnosis(es) as 1, 2, 3, . . . in the perceived order of importance**

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1. BILIARY TRACT (probably not related to rejection)

- 1. Obstruction with cholangitis
- 2. Hilar duct wall necrosis with bile leak
- 3. Biliary sludge
- 4. Biliary abscess \_\_\_\_\_  
specify organism(s) (30 char)
- 5. Biliary - vascular fistula
- 6. Strictures \_\_\_\_\_  
specify site (30 char)
- 7. Other \_\_\_\_\_  
specify (30 char)

2. VASCULAR PATHOLOGY

- 1. Hepatic artery thrombosis
- 2. Arterial wall dissecting aneurysm
- 3. Portal vein thrombosis
- 4. Vena caval/hepatic vein obstruction
- 5. Other \_\_\_\_\_  
specify (30 char)

3. OTHER

- 1. Primary graft dysfunction (cause uncertain)
- 2. Other \_\_\_\_\_  
specify (30 char)

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III. CLINICOPATHOLOGIC EVALUATION OF GRAFT FAILURE

More than one diagnosis may be appropriate. If more than one is checked, rank diagnosis as 1, 2, 3, . . . in the perceived order of importance.

1. Primary nonfunction

- 1.1 Cause uncertain  1.3 Failure related to donor fatty liver
- 1.2 Probably technical

2. Rejection

- 2.1 Antibody mediated (ABO incompatible)
- 2.2 Antibody mediated, other (list antibody) \_\_\_\_\_  
specify (30 char)
- 2.3 Acute cellular rejection
- 2.4 Chronic rejection (i.e vanishing bile duct syndrome and obliterative arteriopathy)

3. Vascular/Ischemic Injury

- 3.1 Hepatic artery thrombosis
- 3.2 Hepatic artery dissection
- 3.3 Portal vein thrombosis
- 3.4 Other \_\_\_\_\_  
specify (30 char)

4. Hepatitis, Acute

- 4.1 Hepatitis A  4.5 HSV or VZ
- 4.2 Hepatitis B  4.6 CMV
- 4.3 Hepatitis B & D  4.7 EBV
- 4.4 Hepatitis C  4.8 Unknown

5. Chronic Hepatitis

- 5.1 Type B  5.3 Type C
- 5.2 Type B & D  5.4 Unknown

6. Recurrent original disease \_\_\_\_\_  
specify (30 char)

7. Biliary

- 7.1 Bile duct necrosis, leak  7.3 Biliary strictures
- 7.2 Biliary abscess  7.4 \_\_\_\_\_ Other

specify (30 char)

8. Hepatic bacterial or fungal infection or abscess

9. Other \_\_\_\_\_  
specify (30 char)

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