



NIDDK
Liver Transplantation Database
POST-TRANSPLANT - PATHOLOGY
HISTOLOGY FINDINGS

02/12/1991

COMPLETION LOG

Data Collector ID _____ - _____
Center Initials

DATE

Data Collection _____/_____/_____

Data Entry _____/_____/_____

Sysid _____

Verification _____/_____/_____

Cleaned _____/_____/_____

Transfer _____/_____/_____
MM DD YY

FORM KEYS

Patient ID _____

Transplant No. _____

Date of Specimen _____/_____/_____
MM DD YY

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SURGICAL # _____ - _____

PATIENT ID _____ - _____

TRANSPLANT NO. _____

DATE OF SPECIMEN ____/____/____
MM DD YY

Pages 1-4 to be completed by PATHOLOGIST. In the case of a failed allograft or autopsy, the PG Form must also be completed by the Pathologist.

I. SOURCE OF SPECIMEN (check one): 1. Biopsy__ 2. Failed allograft__ 3. Autopsy__

II. HISTOLOGICAL EVALUATION

1. Are there more than 4 portal tracts? Yes__ No__

2. Is specimen otherwise considered adequate? Yes__ No__

3. PORTAL TRACT (check one under each category)

3.1 Overall inflammation intensity: 1. None__ 2. Mild__ 3. Moderate__ 4. Severe__

3.2 Bile duct inflammation/damage: Yes__ No__

3.3 Bile duct loss: Yes__ No__ Not evaluable__

IF YES

3.3.1 Number of portal tracts without ducts _____

3.3.2 Total number of portal tracts _____

3.4 Bile duct/cholangiolar proliferation (in any portal tract): Yes__ No__

4. INFLAMMATORY or NECROTIZING ARTERITIS: Yes__ No__

5. OBLITERATIVE ARTERIOPATHY: Yes__ No__

6. ENDOTHELITIS/SUBENDOTHELIAL INFLAMMATION: Yes__ No__

7. FIBROSIS: (check one under each category)

7.1 Portal: 1. None__ 2. Mild__ 3. Moderate__ 4. Severe (Bridging)__

7.2 Central: 1. None__ 2. Mild__ 3. Moderate__ 4. Severe (Bridging)__

8. LOBULAR DISARRAY/BALLOONING (check one): 1. None__ 2. Mild__ 3. Moderate__ 4. Severe__

9. NECROSIS (check one under each category):

9.1 Piecemeal or bridging: Yes__ No__

9.2 Hilum of the liver (duct walls, connective tissue): Yes__ No__ NA__

9.3 Infarct (ischemic necrosis): Yes__ No__ NA__

9.4 Other necrosis: Yes__ No__

9.5 Central lobular: Yes__ No__

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- 10. CHOLESTASIS: Yes__ No__
- 11. FAT: (check one) 1. None__ 2. Mild__ 3. Moderate__ 4. Severe__
- 12. LOBULAR INFLAMMATION (check one under each category):
 - 12.1 Severity: 1. None__ 2. Mild__ 3. Moderate__ 4. Severe__
 - 12.2 Granulomatous: Yes__ No__

III. PATHOLOGIC DIAGNOSIS(ES) - based on Histological Evaluation

See ADDITIONAL DIAGNOSIS on page 4 of PG Form for diagnosis on failed grafts and autopsies if these are insufficient.

Rank all that apply in order of importance, #1 being most important, #2 as next most important, etc.

- 1. BILIARY TRACT (probably not related to rejection)
 - __ 1.1 Suggestive of duct obstruction/cholangitis
 - __ 1.2 Other _____
specify (30 char)

- 2. ISCHEMIC INJURY
 - __ 2.1 Ischemic injury present

IF PRESENT 2.1.1 Was there an infarct? Yes__ No__

- __ 2.2 Preservation injury

- 3. VIRAL HEPATITIS
 - __ 3.1 Possibly/probably viral 1. Acute__ 2. Chronic persistent__ 3. Chronic active__

- __ 3.2 Definitely viral hepatitis 1. Acute__ 2. Chronic persistent__ 3. Chronic active__

Check appropriate virus, based on morphology (without special stains)
See Appendix I of Operations Manual for Technical Information

- __ 1. Adenovirus
- __ 2. CMV
- __ 3. EBV
- __ 4. Herpes
- __ 5. Type B
- __ 6. Other _____
specify (30 char)

PATIENT ID _____ - _____

4. REJECTION

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- 4.1 Consistent with humoral related rejection
- 4.2 Consistent with, but not diagnostic of, acute cellular rejection
- 4.3 Acute cellular rejection
- 4.4 Resolving acute cellular rejection
- 4.5 Consistent with chronic vascular rejection
- 4.6 Consistent with vanishing bile duct syndrome (if > 50% duct loss; see 3.3 on p.1)

5. OTHER

- 5.1 Essentially normal
- 5.2 Sepsis
- 5.3 Recurrent primary disease _____
specify (30 char)
- 5.4 Possible recurrent disease
- 5.5 Non-specific changes/cholestasis, NOS
- 5.6 Possible drug reaction
- 5.7 Other _____
specify (30 char)

To be completed by Clinical Coordinator after the pathologist completes I-III.

IV. 1. REASON FOR EVALUATION (check one)

- 1. Protocol biopsy

IF PROTOCOL BIOPSY

Check timepoint (check one):		
<input type="checkbox"/> 1. Day 0/day 1	<input type="checkbox"/> 6. Week 4	<input type="checkbox"/> 11. Year 2
<input type="checkbox"/> 2. Day 3	<input type="checkbox"/> 7. Week 5	<input type="checkbox"/> 12. Year 3
<input type="checkbox"/> 3. Week 1	<input type="checkbox"/> 8. Week 6	<input type="checkbox"/> 13. Year 4
<input type="checkbox"/> 4. Week 2	<input type="checkbox"/> 9. Month 4	<input type="checkbox"/> 14. Year 5
<input type="checkbox"/> 5. Week 3	<input type="checkbox"/> 10. Year 1	<input type="checkbox"/> 15. Other

- 2. Complication (suspected)
- 3. Failed allograft (retransplant)
- 4. Autopsy

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2. WAS THIS SPECIMEN A BIOPSY? Yes__ No__

IF YES

<p>2.1 TYPE OF SPECIMEN (check one):</p> <p><input type="checkbox"/> 1. Needle biopsy</p> <p><input type="checkbox"/> 2. Wedge biopsy</p> <p><input type="checkbox"/> 3. Other _____ specify (30 char)</p> <p>2.2 ROUTE OF BIOPSY (check one):</p> <p><input type="checkbox"/> 1. Intercostal</p> <p><input type="checkbox"/> 2. Subcostal</p> <p><input type="checkbox"/> 3. Transjugular</p> <p><input type="checkbox"/> 4. Operative</p> <p><input type="checkbox"/> 5. Other _____ specify (30 char)</p> <p>2.3 Was there a COMPLICATION of liver biopsy? Yes__ No__</p> <p>IF YES</p> <table border="1"> <tr> <td> <p>2.3.1 Check all that apply:</p> <p><input type="checkbox"/> 2.3.1.1 Hypotension (< 90/60)</p> <p><input type="checkbox"/> 2.3.1.2 Bradycardia (< 60 beats/min)</p> <p><input type="checkbox"/> 2.3.1.3 Fall in HGB > 2 gm</p> <p><input type="checkbox"/> 2.3.1.4 Hematobilia</p> <p><input type="checkbox"/> 2.3.1.5 Bowel perforation</p> <p><input type="checkbox"/> 2.3.1.6 Infection occurred</p> <p><input type="checkbox"/> 2.3.1.7 Death</p> <p><input type="checkbox"/> 2.3.1.8 Other _____ specify (30 char)</p> <p>2.3.2 Were any of the following required? (check as appropriate)</p> <p><input type="checkbox"/> 2.3.2.1 Transfusion</p> <p><input type="checkbox"/> 2.3.2.2 Operation</p> <p><input type="checkbox"/> 2.3.2.3 Hospitalization</p> </td> </tr> </table>	<p>2.3.1 Check all that apply:</p> <p><input type="checkbox"/> 2.3.1.1 Hypotension (< 90/60)</p> <p><input type="checkbox"/> 2.3.1.2 Bradycardia (< 60 beats/min)</p> <p><input type="checkbox"/> 2.3.1.3 Fall in HGB > 2 gm</p> <p><input type="checkbox"/> 2.3.1.4 Hematobilia</p> <p><input type="checkbox"/> 2.3.1.5 Bowel perforation</p> <p><input type="checkbox"/> 2.3.1.6 Infection occurred</p> <p><input type="checkbox"/> 2.3.1.7 Death</p> <p><input type="checkbox"/> 2.3.1.8 Other _____ specify (30 char)</p> <p>2.3.2 Were any of the following required? (check as appropriate)</p> <p><input type="checkbox"/> 2.3.2.1 Transfusion</p> <p><input type="checkbox"/> 2.3.2.2 Operation</p> <p><input type="checkbox"/> 2.3.2.3 Hospitalization</p>
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