

TEMPLATE FOR ALLOGRAFT LIVER BIOPSIES

(2 H&E)

1. HISTOLOGICAL EVALUATION

- 1.1 Are there more than four portal tracts? . . ()YES()NO
- 1.2 Is specimen otherwise considered adequate?. ()YES()NO

2. PORTAL TRACT (check one under each category)

- 2.1 Overall inflam inten. . . () NONE ()MILD ()MOD ()SEV
- 2.2 Bile duct inflammation/damage ()YES()NO
- 2.3 Granuloma(s). ()YES()NO
- 2.4 Bile duct loss. ()YES()NO
 - If yes,
 - 2.4.1 Total number of triads. ()
 - 2.4.2 Number of triads without ducts. . ()
- 2.5 Bile duct/cholangiolar proliferation
(in any portal tract) ()YES()NO
- 2.6 Bile duct atrophy/pyknosis
(in a majority of ducts)...()YES()NO
- 2.7 Florid duct lesion...()YES()NO
- 2.8 Fibro-obliterative duct lesion...()YES()NO

3. INFLAMMATORY OR NECROTIZING ARTERITIS. ()YES()NO

4. OBLITERATIVE ARTERIOPATHY. ()YES()NO

5. SUBENDOTHELIAL INFLAMMATION

- 5.1 Severity()NONE ()MILD ()MOD ()SEV
- 5.2 Location()N/A ()PORTAL ()CENTRAL ()BOTH

6. FIBROSIS (check one under each category)

- 6.1 Portal ()NONE ()MILD ()MOD ()SEV (bridging)
- 6.2 Central. . . . ()NONE ()MILD ()MOD ()SEV (bridging)
- 6.3 Arch. dist . . ()NONE ()MILD ()MOD ()SEV

7. LOBULAR DISARRAY/BALLOONING. .()NONE ()MILD ()MOD ()SEV

8. NECROSIS (check one under each category)

- 8.1 Piecemeal or bridging . . ()NONE ()MILD ()MOD ()SEV
- 8.2 Infarct (ischemia). ()YES()NO
- 8.3 Other necrosis. ()YES()NO
- 8.4 Central lobular ()YES()NO

9. CHOLESTASIS. ()YES()NO

10. FAT. ()NONE ()MILD ()MOD ()SEV

- 10.1 Type. ()MICRO ()MACRO ()MIXED ()N/A

11. LOBULAR INFLAMMATION (check one under each category)

- 11.1 Severity. ()NONE ()MILD ()MOD ()SEV
- 11.2 Location. ()N/A ()PERIVENULAR
()PANLOBULAR ()RANDOM/FOCAL
- 11.3 Granulomatous ()YES()NO

12. REJECTION ACTIVITY INDEXRANGE . . . SCORE

- 12.1 Portal inflammation(0-3) . . . ()
- 12.2 Bile duct inflammation/damage . . .(0-3) . . . ()
- 12.3 Venous endothelial inflammation . .(0-3) . . . ()
- 12.4 TOTAL (RAI = __/9)

(The Rejection Activity Index [RAI] is used to score liver allograft biopsies with acute rejection.)