

Clinical Center - Entered: \_\_/\_\_/20\_\_  
Initials: \_\_\_\_\_

Pathology LAB - Entered: \_\_/\_\_/20\_\_  
Initials: \_\_\_\_\_

**For office use only.**

**Pathology Evaluation – Version 11/17/2005 FORMV**

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

Form Completion Date \_\_/\_\_/20\_\_  
**PATHDAT** mm dd yy

Certification number: **CERT**

**SECTION 1A: BIOPSY DEMOGRAPHICS (To be filled out/entered by coordinator)**

1. Biopsy date: **TXDAT**

2. Biopsy Site:  0. Right Lobe  1. Left Lobe **TXSITE**

**SECTION 1B: BIOPSY DEMOGRAPHICS (To be filled out/entered by pathologist)**

3. Biopsy Type:  0. Needle biopsy  1. Wedge biopsy **TXTYPE**

4. Biopsy Size: \_\_\_\_ (# of portal areas) **TXSIZE**

5. Biopsy Length: \_\_\_\_ mm **TXLNTH**

6. Overall adequacy assessment:  0. Adequate  
 1. Sub-optimal  
 2. Inadequate **TXASSESS**

7. Stains availability:  
(check all that apply)

No Yes  
(0) (1)

**STAINHE** H&E

**STAINMT** Masson Trichrome

**STAINFE** Iron

**STAINOT** Other (Specify: \_\_\_\_\_ **STAINOT** \_\_\_\_\_)

8. Total slides received: \_\_\_\_ **TXNUM**

**SECTION 2: NASH CRN FEATURE SCORING SYSTEM**

**STEATGRD**

**STEATLOC**

1. Steatosis Grade:  0. 0 (0%)  
 1. trace (<5%)  
 2. 1 (5-33%)  
 3. 2 (33-67%)  
 4. 3 (>67%)

2. Steatosis location:  0. Predominantly zone 3  
 1. Predominantly zone 1  
 2. Panacinar  
 3. Azonal

3. Microvesicular steatosis (0 – 1): \_\_\_\_ **STEATM**  
(0=Not present in contiguous patches, 1=present in contiguous patches)

4. Fibrosis stage:  0 (None)  
 1 (Periportal OR perisinusoidal) Specify →  
 2 (Periportal AND perisinusoidal)  
 3 (Bridging fibrosis)  
 4 (Cirrhosis)

0. 1A Mild perisinusoidal (Trichrome only)  
 1. 1B Moderate perisinusoidal only  
 2. 1C periportal only

**FIBROSPE**

5. Lobular inflammation (0-3): **LOB** \_\_\_\_\_  
 (0=none, 1=mild, 2=moderate, 3=marked)
6. Microgranulomas (0-1): **MGRAN** \_\_\_\_\_  
 (0=absent, 1=present )
7. Lipogranulomas (0-1): **LIPOG** \_\_\_\_\_  
 (0=absent, 1=present )
8. Portal inflammation (0-2): **PORTALN** \_\_\_\_\_  
 (0=none, 1= no more than mild, 2= more than mild)
9. Ballooning hepatocellular injury (0-2): \_\_\_\_\_ **BHEPA**  
 (0= none, 1=few, less characteristic, 2=many, prominent)
10. Acidophil bodies (0-1): **ACIDO** \_\_\_\_\_  
 (0=none, 1=more than rare)
11. Pigmented macrophages (0-1):**PMACRO** \_\_\_\_\_  
 (0=none to rare, 1= more than rare)
12. Megamitochondria (0-1): **MMITO** \_\_\_\_\_  
 (0=none to rare , 1=more than rare)
13. Mallory bodies (0-1): **MALLORY** \_\_\_\_\_  
 (0=none to rare, 1= more than rare)
14. Glycogen nuclei (0-1): **GLYCO** \_\_\_\_\_  
 (0=not present in contiguous patches, 1=present in contiguous patches)
15. NASH Activity Score (0-8): **NASH** \_\_\_\_\_  
 (calculated, sum of steatosis grade [with trace steatosis counted as a 0], lobular inflammation and ballooning injury)

**SECTION 3: MODIFIED ISHAK HAI**

1. Piecemeal necrosis (0-4): **PNECRO** \_\_\_\_\_  
 (0=absent, 1=mild, 2=mild/moderate,3=moderate, 4=severe )
2. Confluent necrosis (0-6): **CNECRO** \_\_\_\_\_  
 (0=absent, 1=Focal confluent necrosis, 2=Zone 3 necrosis in some areas, 3=zone 3 in most areas, 4=zone 3 necrosis + occasional portal-central bridging, 5=zone 3 necrosis + multiple portal-central bridging 6= Panacinar or multiacinar necrosis)
3. Focal (spotty) necrosis (0-4): **FNECRO** \_\_\_\_\_  
 (0=absent, 1=one focus or less per 110x objective, 2=two to four foci per 10x objective, 3=five to ten foci per 10x objective, 4=more than ten foci per 10x objective )
4. Portal inflammation (0-4): **PORTALI** \_\_\_\_\_  
 (0=none, 1=mild, some or all portal areas, 2=moderate, some or all portal areas, 3=moderate/marked, all portal areas, 4=marked, all portal area )
5. Fibrosis (0-6): **FIBROS** \_\_\_\_\_  
 (0= no fibrosis, 1=fibrous expansion of some portal areas, 2=fibrous expansion of most portal areas,3=occasional portal to portal bridging, 4=Marked bridging, 5=Marked bridging with occasional nodules, 6=Cirrhosis, probable or definite)

**SECTION 4: IRON ASSESSMENT (same as planned for NASH CRN, only if iron stain available)**

1. Hepatocellular Iron Grade (0-4): **HIRONG** \_\_\_\_\_  
 (0=absent or barely discernible, 40x, 1= barely discernible granules, 20x, 2=Discrete granules resolved, 10x , 3=Discrete granules resolved 4x, 4=Masses visible by naked eye)
2. Hepatocellular Iron Distribution:  0. Periportal  
 1. Periportal and midzonal  
 2. Panacinar  
 3. Zone 3/ nonzonal **IROND**
3. Sinusoidal Lining Cell Iron Grade (0-2): \_\_\_\_\_ **CIRONG**  
 (0=none, 1= mild, 2=more than mild)

4. Sinusoidal Lining Cell Iron Distribution:  0. Large vessel endothelium only  
 1. Portal/fibrous bands only (beyond 1<sup>st</sup> category)  
 2. Intraparenchymal only  
 3. Portal and intraparenchymal **CIROND**

**SECTION 5: DIAGNOSTIC ASSESSMENT**

1. Steatohepatitis:  0. Not steatohepatitis  
 1. Possible/borderline steatohepatitis (Type 1, typical zone 3 pattern)  
 2. Possible/borderline steatohepatitis (Type 2, zone 1 pattern)  
 3. Definite steatohepatitis **STEATO**
2. Chronic Hepatitis:  0. Not chronic hepatitis  
 1. Possible chronic hepatitis  
 2. Definite chronic hepatitis **CHEPA**

**SECTION 6: OTHER NOTES**

1. Are there other notes? **NOTE**  0. No  1. Yes

**OTHER NOTES:** **NOTES**

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