

Clinical Center - Entered: __/__/20__
 Initials: _____

Pathology LAB - Entered: __/__/20__
 Initials: _____

For office use only.

Pathology – Version 11/17/2005 FORMV

Patient ID _____ - _____ - _____ **ID**

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 **TXLENGTH**
- 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: STAINOTS _____) | |

8. Total slides received: ____ ____ **TXNUM**

SECTION 2: NASH CRN FEATURE SCORING SYSTEM

- 1. Steatosis Grade: 0. 0 (0%) 2. Steatosis location: 0. Predominantly zone 3
 STEATGRD 1. trace (<5%) **STEATLOC**
 2. 1 (5-33%) 1. Predominantly zone 1
 3. 2 (33-67%) 2. Panacinar
 4. 3 (>67%) 3. Azonal **STEATLOC**

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 →* 0. 1A Mild perisinusoidal (Trichrome only)
 - 2 (Periportal AND perisinusoidal) 1. 1B Moderate perisinusoidal only
 - 3 (Bridging fibrosis)
 - 4 (Cirrhosis) **FIBROSTG** 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 1st 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
