

## Liver Institute Pathology Rounds Request

Inside Case    Outside Case

Date Reviewed : \_\_\_\_\_

MHD: \_\_\_\_\_

Patient's Name: \_\_\_\_\_

DOB: \_\_\_\_\_

Surgical Path Number (if available): \_\_\_\_\_

Requesting Physician: \_\_\_\_\_

Requesting Physician Fax Number: \_\_\_\_\_

Clinical History: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Serology    ANA: Pos   Neg    AMA: Pos   Neg    ASMA: Pos Neg

              HCV: Pos   Neg    HBV: Pos   Neg    AFP: \_\_\_\_\_

Other Labs: \_\_\_\_\_

Question: \_\_\_\_\_

\_\_\_\_\_

Pathologist:    A. Joe Saad, MD    Mauricio Salicru, MD    Niels Dyrved, MD

The following will be completed during the conference:

Impression: \_\_\_\_\_

\_\_\_\_\_

Recommendations: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

RETREAT Score: \_\_\_\_\_ (please see attached RETREAT score table to guide in calculation)

**RETREAT SCORE FOR HCC SURVEILLANCE**

(Please attach to Pathology Rounds Request Form)

Patients with hepatocellular carcinoma identified prior to or during liver transplantation will have follow-up imaging/lab studies based on the **R**isk **E**stimation of **T**umor **R**ecurrence **A**fter **T**ransplant (RETREAT) score; which incorporates AFP at time of transplant, microvascular invasion, and the sum of the largest viable tumor and number of tumors on explant

Predictor	RETREAT points
AFP level at transplant, ng/mL (use AFP closest to the date of transplant, ideally within 90 days)	
0 – 20	0
21– 99	1
0 – 999	2
> 1000	3

+

Presence of microvascular invasion	Yes = 2	No = 0
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+

Explant largest viable tumor diameter + number of viable tumors	RETREAT points
0	0
1 - 4.9	1
5 - 9.9	2
≥ 10	3

The RETREAT score is obtained by **adding the total number of points scored in each of the 3 variables** (range 0-8)

RETREAT Score	Surveillance Protocol
0 points	No surveillance
1-3 points	Abd CT/MRI w contrast; chest CT w/o contrast and AFP every 6 months x 2 years
4 points	Abd CT/MRI w contrast; chest CT w/o contrast and AFP every 6 months x 5 years
≥ 5 points	Abd CT/MRI w contrast; chest CT w/o contrast and AFP every 3-4 months x 2 years; then every 6 mo for year 3 - 5

AFP Level: \_\_\_\_\_

Microvascular invasion Yes No

Diameter of largest viable tumor on explant: \_\_\_\_\_

Number of viable tumors on explant: \_\_\_\_\_

Total RETREAT Score: \_\_\_\_\_