

## Hepatitis C Evaluation and Monitoring for Patients Starting Treatment

Study	Baseline	4 wks into Treatment	12 wks post Treatment	Notes
HCV Genotype	X			No need to repeat if previously checked
HCV RNA	X	X	X	If detectable @ wk 4, repeat every 2 wks and stop if treatment if increasing
				Consider monthly, @ end of treatment and 24 wks after finishing if at increased risk for treatment failure
Complete Blood Count with Differential	X	X		Every 2 wks initially if on Ribavirin or at increased risk for anemia
Liver Function Panel (Bilirubin, AST, ALT, ALP, Albumin)	X	X		Every 2 wks if at increased risk for hepatotoxicity DC treatment if AST/ALT 10x ↑ or symptoms of hepatitis
Creatinine/GFR	X	X		Cr every 2 wks and consider UA to evaluate for proteinuria f at increased risk for nephrotoxicity
Prothrombin Time/INR	X			
Screen for coinfections (Hep A Ab, Hep B SAg, Hep B CAbs, Hep B SAb, HIV Ab)	X			Vaccinate for Hepatitis A and B if not immune

### Evaluation for Cirrhosis

- Clinical: Physical exam findings, low platelets, AST>ALT, high bili, low albumin, elevated INR
- Abdominal Imaging: US, CT, MRI showing liver nodularity, splenomegaly, portal HTN or ascites
- Liver fibrosis imaging: Fibroscan® > 12.5 kPa
- Serum biomarkers/algorithms: APRI >1.5, FIB-4 >3.25, Fibrosure® >0.74
- Liver biopsy: METAVIR Stage 4, Ishak ≥ Stage 5

If cirrhotic, EGD for esophageal varices and US q 6 months for surveillance for HCC

Ascites, encephalopathy or variceal bleeding = decompensated cirrhosis, consider transplant eval

### Additional Baseline Testing

- Cryoglobulin level if symptoms concerning for Cryoglobulinemia
- Screening for Insulin Resistance/DM with fasting glucose or HgA1C
- Evaluation for other causes of liver disease when clinically indicated: Autoantibodies, Serum Iron Studies, Serum AAT levels
- Consider testing for Resistance Associated Variants if history of treatment failure with DAAs
- Consider Vitamin D levels (1,25-OH Vit. D); some studies have shown persons with Vit. D deficiency have reduced response to treatment
- Alcohol/substance abuse screening with AUDIT-C or other validated instrument