

*This worksheet is solely for the purpose of recording preliminary data and does not constitute a final report of any kind.*

## **ABDOMINAL HEPATIC DOPPLER ULTRASOUND (NON-TIPS)**

PATIENT NAME: \_\_\_\_\_ MR#: \_\_\_\_\_ DATE: \_\_\_\_\_  
TECH INITIAL: \_\_\_\_\_ EXT: \_\_\_\_\_ FACILITY: MWH / MIF / ICW / MILH / MINS / MIKG / SH

**INDICATION:** ☐ Elevated Liver Function Tests ☐ Cirrhosis ☐ Hepatitis B ☐ Hepatitis C  
☐ Portal Hypertension ☐ Hepatic Transplant ☐ OTHER: \_\_\_\_\_

**COMPARISON:** ☐ None ☐ \_\_\_\_\_

**TECHNIQUE:** Transabdominal grayscale, color, and pulsed duplex sonography of the liver was performed.

### **FINDINGS:**

#### **LIVER:**

- ☐ The liver appears normal in size and echotexture. Liver length is \_\_\_\_\_ cm. No focal mass.  
☐ ABNORMAL. [ADD DICTATION]  
☐ Fatty infiltration of the liver suggested by loss of periportal echoes/ increased echogenicity compared to the right kidney/ loss of through transmission. No focal mass.  
☐ Nodular hepatic contour.  
☐ Subjective (**mildly** / **moderately** / **markedly**) coarsened hepatic echotexture.  
☐ Enlarged hepatic size.  
☐ Relatively enlarged caudate lobe/left hepatic lobe.  
☐ OTHER: \_\_\_\_\_

**MAIN PORTAL VEIN:** ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized

☐ Patent with hepatopetal flow. Monophasic waveform with respiratory variability.

MPV diameter is \_\_\_\_\_ mm. (Normal is 8-13mm, 14-17mm borderline, >17mm abnormal)

MPV velocity: \_\_\_\_\_ cm/s (Normal MPV velocity is 20-30 cm/sec)

- ☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed secondary to thrombus.  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatofugal flow.  
☐ Pulsatile waveform pattern.  
☐ OTHER: \_\_\_\_\_

**LEFT PORTAL VEIN:** ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized

☐ Patent with hepatopetal flow. Monophasic waveform with respiratory variability.

Left portal vein velocity: \_\_\_\_\_ cm/s

- ☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed secondary to thrombus.  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatofugal flow.  
☐ Pulsatile waveform pattern.  
☐ OTHER: \_\_\_\_\_

**RIGHT PORTAL VEIN:** ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized

☐ Patent with hepatopetal flow. Monophasic waveform with respiratory variability.

Right portal vein velocity: \_\_\_\_\_ cm/s

- ☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed secondary to thrombus.

PATIENT NAME: \_\_\_\_\_ MRN: \_\_\_\_\_  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatofugal flow.  
☐ Pulsatile waveform pattern.  
☐ OTHER: \_\_\_\_\_

LEFT HEPATIC VEIN: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized  
☐ Patent with hepatofugal flow. Triphasic waveform pattern  
Left Hepatic Vein velocity: \_\_\_\_\_ cm/s

☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed in caliber.  
☐ Narrowed secondary to visualized thrombus.  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatopetal flow.  
☐ Monophasic waveform pattern.  
☐ OTHER: \_\_\_\_\_

MIDDLE HEPATIC VEIN: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized  
☐ Patent with hepatofugal flow. Triphasic waveform pattern.  
Middle hepatic vein velocity: \_\_\_\_\_ cm/s

☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed in caliber.  
☐ Narrowed secondary to visualized thrombus.  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatopetal flow.  
☐ Monophasic waveform pattern.  
☐ OTHER: \_\_\_\_\_

RIGHT HEPATIC VEIN: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized  
☐ Patent with hepatofugal flow. Triphasic waveform pattern.  
Right hepatic vein velocity: \_\_\_\_\_ cm/s

☐ ABNORMAL [ADD DICTATION]  
☐ Narrowed in caliber.  
☐ Narrowed secondary to visualized thrombus.  
☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.  
☐ Adjacent collateral vessels.  
☐ Hepatopetal flow.  
☐ Monophasic waveform pattern.  
☐ OTHER: \_\_\_\_\_

HEPATIC ARTERY: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized  
☐ Patent with hepatopetal flow toward the liver.  
Hepatic artery PSV: \_\_\_\_\_ cm/s

☐ ABNORMAL. [ADD DICTATION] \_\_\_\_\_  
☐ Abnormal focal hepatic artery velocity >200cm/sec associated with turbulence  
☐ OTHER: \_\_\_\_\_

PATIENT NAME: \_\_\_\_\_

MRN: \_\_\_\_\_

INFERIOR VENA CAVA: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized

☐ Patent with normal phasic flow towards the heart.

IVC velocity: \_\_\_\_\_ cm/s

☐ ABNORMAL [ADD DICTATION]

☐ Narrowed in caliber.

☐ Narrowed secondary to visualized thrombus.

☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.

☐ Adjacent collateral vessels.

☐ Abnormal flow direction away from the heart

☐ Monophasic waveform

☐ OTHER: \_\_\_\_\_

SPLENIC VEIN: ☐ Adequately visualized ☐ Suboptimally visualized ☐ Non-visualized.

☐ Patent with hepatopetal flow

Splenic vein velocity: \_\_\_\_\_ cm/s

☐ ABNORMAL [ADD DICTATION]

☐ Narrowed in caliber.

☐ Narrowed secondary to visualized thrombus.

☐ Medium to low level internal echoes with lack of demonstrable flow consistent with occlusion.

☐ Adjacent collateral vessels.

☐ Hepatofugal flow.

☐ Turbulent waveform

☐ OTHER: \_\_\_\_\_

SPLEEN:

☐ Normal in size measuring \_\_\_\_\_ cm in maximum dimension.

☐ ABNORMAL. [ADD DICTATION]

☐ Enlarged, measuring \_\_\_\_\_ cm in maximum dimension.

☐ Other: \_\_\_\_\_

INTRAPERITONEAL FLUID:

☐ No evidence of ascites.

☐ ABNORMAL [ADD DICTATION]

☐ A ( **mild** / **moderate** / **large**) amount of ascites is present.

ADDITIONAL EXTRAHEPATIC FINDINGS:

☐ No additional extrahepatic findings visualized

☐ ABNORMAL [ADD DICTATION]

☐ Recanalization of the umbilical vein is identified.

☐ Abdominal collateral vessels are identified.

**IMPRESSION:** *Preliminary findings/impression subject to radiologist review.*

☐ Patent flow with normal direction in the major hepatic blood vessels. **No discrete hepatic lesions.** Continued hepatic surveillance per your algorithm is advised. CT and MR are more sensitive for the detection of hepatocellular carcinoma, and can be incorporated as you feel clinically necessary.

*This worksheet is solely for the purpose of recording preliminary data and does not constitute a final report of any kind.*

PATIENT NAME: \_\_\_\_\_ MRN: \_\_\_\_\_

[ ] Patent flow with normal direction in the major hepatic blood vessels. **Chronic hepatic disease.** Continued hepatic surveillance per your algorithm is advised. CT and MR are more sensitive for the detection of hepatocellular carcinoma, and can be incorporated as you feel clinically necessary.

[ ] Patent flow with normal direction in the major hepatic blood vessels. **Cirrhotic hepatic morphology.** Continued hepatic surveillance per your algorithm is advised. CT and MR are more sensitive for the detection of hepatocellular carcinoma, and can be incorporated as you feel clinically necessary.

[ ] **ADD DICTATION.** \_\_\_\_\_