

Procedure Name: Abdominal Doppler Complete

Updated: 12/10/05

Indications:

May include but not limited to abdomen pain, nausea and/or vomiting, palpable or suspected masses, follow up to prior exam, abnormal liver function test values, renal disease or any other valid medical reason. There are no absolute contraindications.

General Description:

This is a survey of the upper abdomen. A complete examination of the abdomen for adults and children includes assessment and imaging of vessels through out the abdominal area. Obtain one waveform (3 cardiac cycles) for each vessel evaluated. Direction of flow should be determined as normal or reversed. Presence or absence of varices should be noted (required if reversal of flow of the PV).

Patient Preparation:

NPO after midnight for morning exam. For afternoon exam, the patient may have a low fat breakfast with no dairy products, prior to 7:30a.m.

Imaging Sequence:

The following imaging sequence is for a normal exam. Include additional images of pathology to demonstrate dimensions in three planes, texture, size, shape, and relationship to adjacent anatomy (this exam may be scheduled in conjunction with an abdominal complete exam).

ABDOMINAL DOPPLER COMPLETE

1. Aorta
2. Inferior vena cava
3. Hepatic artery
4. Right hepatic vein
5. Middle hepatic vein
6. Left hepatic vein
7. Portal vein (main)
8. Portal vein (right)
9. Portal vein (left)
10. Renal artery (right)
11. Renal artery (left)
12. Renal vein (right)
13. Renal vein (left)
14. Splenic vein
15. Splenic artery
16. Celiac axis
17. Superior mesenteric artery
18. Superior mesenteric vein
19. Inferior mesenteric artery