Mesenteric Arteries

1. **Aorta**: Long images of aorta with measurements (prox, mid, and dist).

2. **IVC**: Long image.
   - Include AP measurement if over 3.75 cm.
   - If IVC filter or catheter seen, localize with respect to hepatic/renal veins.

3. **Aorta velocity**: At level of CA/SMA.

4. **Celiac artery (CA) velocity**: Prox, mid, and dist.
   - If significantly elevated velocities noted in CA, take measurement with deep held inspiration and expiration to evaluate for median arcuate ligament syndrome.

5. **Hepatic artery (HA) velocity**: At origin when possible.

6. **Splenic artery (SPL A) velocity**: At origin when possible.

7. **Superior mesenteric artery (SMA) velocity**: Prox, mid, and dist.

8. **Inferior mesenteric artery (IMA)**: Show patency and velocity measurement when possible.
# Mesenteric Arteries Worksheet

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## AORTA DIAMETER

*PROX* _____________________ cm  
*MID* _____________________ cm  
*DIST* _____________________ cm

- **IVC**

## CEILING PSV

*PROX* _____________________ cm/s  
*MID* _____________________ cm/s  
*DIST* _____________________ cm/s

## HEPATIC A PSV

________________________ cm/s

## SPLENIC A PSV

________________________ cm/s

## SMA PSV

*PROX* _____________________ cm/s  
*MID* _____________________ cm/s  
*DIST* _____________________ cm/s

## IMA PSV

________________________ cm/s

### Interpretation Criteria

Celiac PSV greater than 200 cm/s and SMA PSV greater than 275 cm/s indicate stenosis greater than 70%.

### Findings/Limitations/Comments

**SONOGRAPHER CONFIRMATION:** My signature confirms that instructions have been provided to the conscious patient regarding this exam, that US utilizes sound waves rather than ionizing radiation, and that coupling gel is used to improve the quality of the exam.

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**US Mesenteric Arteries Worksheet**