1. Patient referred from vascular surgery
2. Questionnaire
   1. Symptoms
      1. Describe all symptoms
      2. When did symptoms begin?
      3. Do you have postprandial abdominal pain
         1. Where is pain after meal (i.e. LUQ)
         2. Does pain change areas?
         3. Describe progression of pain.
         4. What foods cause pain?
         5. Do other symptoms (in part i.) also occur after a meal?
      4. Have you experienced any significant weight loss?
   2. Risk Factor Assessment
      1. Family history of atherosclerotic diseases?
         1. Coronary artery disease, heart attacks, stroke, peripheral artery disease, etc.
      2. Family history of high BP, high cholesterol, diabetes, insulin resistance?
      3. Are you or have you been:
         1. a smoker
         2. a diabetic
         3. someone who does not exercise regularly
         4. someone who eats a poor diet
      4. Do you have/had:
         1. insulin Resistance
         2. high blood pressure
         3. high cholesterol levels
         4. kidney disease
         5. renal artery disease
         6. coronary artery disease
         7. carotid artery disease
      5. Check if symptoms may be consistent with:
         1. renal artery disease (nausea, loss of appetite, weakness, etc.)
         2. peripheral artery disease (numbness, poor circulation legs, etc.)
         3. coronary artery disease (chest pain, burning, SOB, tightness, etc.)
         4. carotid artery disease (TIA, confusion, dizziness, sudden headache, etc.)
3. Measure
   1. Age
   2. Sex
   3. Height
   4. Weight
   5. BMI
   6. Blood pressure
   7. Labs
      1. Cholesterol levels
4. Diagnostic Tests (*italics* indicate optional)
   1. *Abdominal CT with/without contrast*
      1. *Rule out other potential pathologies*
   2. *Abdominal CTA with contrast*
   3. Duplex Ultrasonography
      1. Meal Challenge
         1. Have patient indicate when pain begins/ends
      2. Peak systolic velocity, diameter, pulsatility, resistivity, flow rate, waveform
         1. SCAo, IRAo, SMA, CA, *IMA*, *SMV*, *SV*, PV
   4. MRI
      1. 4D flow MRI
         1. Use CONSISTENT field strength, coil-types, VENCs, parameters
         2. Dual VENC???
         3. Meal Challenge
            1. Scan fasting state
            2. Scan immediately after food ingestion (10 minute scan)
            3. Scan 30 minutes after food ingestion
         4. PC angiogram
         5. Peak systolic velocity, diameter, pulsatility, resistivity, flow rate, waveform
            1. SCAo, IRAo, SMA, CA (SA, LGA, CHA, GDA), *IMA*, SMV, SV, PV
      2. MR oximetry scan
         1. Meal Challenge
            1. Scan fasting state
            2. Scan immediately after 1st 4D flow exam (at 10 minutes)
            3. Scan 40 minutes after food ingestion
         2. Change in T2 signal
            1. PV
5. Controls
   1. Gather age-matched controls
   2. Do the same procedure