



# Primary Care/Abdominal Ultrasound

Faculty: Shawn Shanmuganathan BS, RDMS, RVT

## Course Schedule

Lecture 8am-12noon | Lunch 12-1pm | Scan Lab 1pm-5pm

### Day 1 Lecture

- Physics and Instrumentation
- Abdominal Vessels
- Liver
- Doppler
- Gallbladder

### Scan Lab

### Day 2 Lecture

- Pancreas
- Renal
- Doppler
- Spleen

### Scan Lab

### Day 3 Lecture

- Thyroid
- Small Parts

### Scan Lab



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## Skills Checklist

**The participant demonstrates an understanding of the following controls to optimize the image:**

### Physics and Instrumentation

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> On/Off       | <input type="checkbox"/> Dynamic Range             |
| <input type="checkbox"/> Output/Power | <input type="checkbox"/> Presets                   |
| <input type="checkbox"/> Depth        | <input type="checkbox"/> Calipers                  |
| <input type="checkbox"/> Master Gain  | <input type="checkbox"/> Freeze/Cine               |
| <input type="checkbox"/> TGC/DGC      | <input type="checkbox"/> Color/Power/Pulse Doppler |
| <input type="checkbox"/> Focal Zones  | <input type="checkbox"/> Zoom                      |

**The participant identifies and is able to image the following anatomy with measurements where applicable:**

- |   |   |
|---|---|
| <input type="checkbox"/> Long and transverse of left lobe of liver  | <input type="checkbox"/> Long and transverse thyroid      |
| <input type="checkbox"/> Long and transverse of right lobe of liver | <input type="checkbox"/> Common bile duct                 |
| <input type="checkbox"/> Long and transverse right and left kidneys | <input type="checkbox"/> Portal vein                      |
| <input type="checkbox"/> Long and transverse urinary bladder        | <input type="checkbox"/> Aorta                            |
| <input type="checkbox"/> Long and transverse gallbladder            | <input type="checkbox"/> IVC                              |
| <input type="checkbox"/> Long and transverse pancreas               | <input type="checkbox"/> Thyroid                          |
| <input type="checkbox"/> Long and transverse spleen                 | <input type="checkbox"/> Doppler of abdominal vasculature |