

## Tonga Ultrasound Training Ultrasound Learning Plan

25 February 2022 (Virtual)

Time	Topic and objectives	Presenter	
9:30	First Trimester  1. List the goals of a 1st trimester scan 2. Explain the measurements that are taken during a 1st trimester ultrasound scan 3. Describe 1st trimester screening for fetal abnormalities 4. Explain ectopic pregnancy and its sonographic findings and clinical presentation		Virtual
11:00	<i>Morning tea</i>		
11:30	Second Trimester  1. List the goals of a 2nd trimester scan 2. Explain the measurements that are taken during a 2nd trimester ultrasound scan 3. Describe 2nd trimester screening for fetal abnormalities 4. Explain pathology links and its sonographic findings and clinical presentation		
13:00	<i>Lunch</i>		
14:00	Third Trimester  1. List the goals of a 3rd trimester scan 2. Explain the measurements that are taken during a 3rd trimester ultrasound scan 3. Describe 3rd trimester screening for fetal growth and wellbeing 4. Explain sonographic findings and clinical presentation		
15:30	<i>Afternoon tea</i>		
16:00	Fetal Heart  Detail 'why' and 'how to' for the fetal heart in reference to 2nd and 3rd trimester examinations.		
17:00	Finish		

### 17-20 May 2022

Face-to-face training to be provided at Vaiola Hospital. Outer Island healthcare providers would travel to the main island to attend training. Days chosen for training will encompass the typical clinical workload during the week and extend to the weekend to allow for training without the clinical list. Obstetrics learning as above, but also day to day clinical work at the hospital, including patients presenting for;

- Vascular ultrasound
- Abdominal ultrasound
- Musculoskeletal ultrasound
- Small parts
- DVT studies.

### 5 August 2022 (TBC)

Time	Program	Presenter	
8:30	Carotid  1. List the goals of a carotid ultrasound 2. Explain the measurements that are taken, including Doppler measurements 3. Describe the sonographic appearance of the B-mode and Doppler, including indications 4. Finalise a worksheet to explain the sonographic findings.		
10:00	<i>Morning tea</i>		
10:30	Carotid continued		
12:00	<i>Lunch</i>		
12:30	Renal Artery ultrasound  1. List the goals of a renal ultrasound, as well as the limitations 2. Explain the measurements that are taken, including Resistive Index and Doppler measurements 3. Describe the sonographic appearance of the B-mode, colour and spectral Doppler 4. Finalise a worksheet to explain the sonographic findings.		
15:00	<i>Afternoon tea</i>		
15:30	Renal artery continued		
17:00	Finish		

### October/November 2022 (TBC)

Face-to-face training to be provided at Vaiola Hospital. Outer Island healthcare providers would travel to the main island to attend training. Days chosen for training will encompass the typical clinical workload during the week and extend to the weekend to allow for training without the clinical list. Vascular learning as above, but also day to day clinical work at the hospital, including patients presenting for;

- Obstetric ultrasound
- Abdominal ultrasound
- Musculoskeletal ultrasound
- Small parts
- DVT studies.

