

Supplementary Questionnaire

Study Title: Photoplethysmography- and Fluid Index–Based Prediction of Dehydration

Participant Number: _____

Section A. Inclusion/Exclusion Criteria

(1) Do you meet the following conditions?

- You have at least **3 years of clinical teaching experience.** ()
- You have performed at least **150 POCUS scans.** ()

[Mark **O** if satisfied, **X** if not]

Section B. Demographics

1. Which specialty board certification have you obtained?

- ☐ () Emergency Medicine
- ☐ () Other clinical specialty: _____

2. How many years of clinical experience do you have after obtaining board certification?

- ☐ Approximately ____ years (rounded to the nearest year)

Skill/Application			Indicate the level of importance on a 1–9 scale								
			1	2	3	4	5	6	7	8	9
Resuscitative applications	Trauma	E-FAST	Identify free fluid of Hepatorenal recess								
			Identify free fluid of Splenorenal recess								
			Identify free fluid of Peribladder								
			Identify free fluid of Pericardium								
			Identify pericardial tamponade								
			Identify acute pneumothorax								
			Identify Pleural fluid								
		IVC	Gross estimation of intravascular volume status and cardiac preload.								
	Aorta		Identify Abdominal Aortic Dissection								
			Identify Thoracic Aortic dissection								
	CPR	Cardiac	Identify free fluid of Pericardium								
			Identify Pericardial tamponade								
			Global left ventricular systolic function								
			Global Right ventricular systolic function								
	Heart		Identify free fluid of Pericardium								
			Identify Pericardial tamponade								
			Global left ventricular systolic function								
			Global Right ventricular systolic function								
			Regional Wall motion Abnormality								
			Global Left ventricular diastolic function								
			Right ventricular pressure								
	GV		Identify Abdominal Aortic Aneurysm.								
			Identify Abdominal Aortic Dissection								
			Identify Thoracic Aortic dissection								
			Identify Thoracic Aortic Aneurysm.								
			Identify Iliac, splenic, celiac artery Aneurysm.								
			Identify Iliac, splenic, celiac artery Dissection								
	Shock	IVC	Gross estimation of intravascular volume status and cardiac preload.								
			VTI variation								
		LVOT	Stroke volume estimation								
		E-FAST	Identify free fluid of Hepatorenal recess								
			Identify free fluid of Splenorenal recess								
			Identify free fluid of Peribladder								
			Identify free fluid of Pericardium								
			Identify pericardial tamponade								
			Lung sliding								
			Identify Pleural fluid								
		GV	Identify Abdominal Aortic Dissection								
			Identify Thoracic Aortic dissection								
			Identify Abdominal Aortic Aneurysm.								
			Identify Thoracic Aortic Aneurysm.								

Skill/Application			Indicate the level of importance on a 1–9 scale								
			1	2	3	4	5	6	7	8	9
Diagnostic application	Hepatobiliary		Cholelithiasis								
			Cholecystitis								
			Choledocholithiasis								
			Pneumobilia								
			Hepatomegaly								
			Fatty liver								
			Liver abscess								
			Liver tumor								
			Portal vein abnormalities								
			GB abnormality except Cholecystitis and GB stone.								
			ascites								
	Lung and pleura		Identify acute pneumothorax								
			Identify Pleural fluid								
			Pulmonary edema								
			Interstitial Lung disease								
			Pneumonia								
			pulmonary fibrosis								
	Ocular	Non trauma	Retinal detachment								
			Vitreous hemorrhage								
			central retinal artery/vein occlusion								
			subretinal hemorrhage								
			posterior vitreous detachment								
			direct and consensual light reflex								
		trauma	lens dislocation								
			Intraocular foreign body								
			Optic nerve sheath diameter measurement								
			Retrobulbar hemorrhage								
			Globe rupture								
	Kidney		Cause of obstructive uropathy								
			Cause of acute hematuria								
			Kidney size measurement								
			infections and abscess of the kidney								
			renal cysts and masses								
	Scrotum		Scrotal torsion								
			Epididymitis								
	OB		Ovarian cyst								
			Fibroids								
			Tubo-ovarian abscess								
			Rule out ovarian torsion								
	Soft tissue		ectopic pregnancy								
			Cellulitis								
			Identify soft tissue abscess								
			Soft tissue foreign body								
	MS		Soft tissue deep space infection identification								
			Identify joint effusion								
			Fracture detection								
			Tendon/ligament injury detection								
	Bowel		Tenosynovitis								
			Appendicitis								
			Diverticulitis								
			Bowel Obstruction								
	Procedure		Pneumoperitoneum								
			Procedural guidance of pericardiocentesis								
			pacemaker wire placement and capture.								
			Soft tissue foreign body removal								
			Central venous catheter insertion								
			Arterial line insertion								
			Peritonsillar abscess drain								
			Soft tissue abscess drain								
			Thoracentesis								
			Paracentesis								
			Guide of arthrocentesis								
			Fracture reduction								
			Lumbar puncture								
			Endotracheal tube placement								
			Cricothyroid membrane detection								
			US guided nerve block								