Starship	tarship for the second		I trauma ultrasound that aims to detect: odominal free fluid dial effusion naemothorax othorax does not exclude significant intra-abdominal tra-abdominal injuries in Children do not have im)			Patient details		
Mechanism of Trauma					Pulse	BP	RR	Sats
Examination Findings								
Probe Position	Views	Notes		Findings			1	Notes
	6	<ol> <li>RUQ</li> <li>Fluid collects in Morison's Pouch</li> <li>Look above diaphragm for HTX</li> <li>Head down tilt will increase RUQ fluid</li> <li>Sensitivity for haemoperitoneum is 88% for children</li> <li>requiring blood transfusion or operative intervention</li> <li>(much lower in less severely injured ~66%)</li> </ol>		Right Upper Quadrant	Normal	Inadequate	Positive	
				Right Haemothorax	Normal	Inadequate	Positive	
	R	<b>2. LUQ</b> Fluid can collect around the entire spleen Look above the diaphragm for HTX Needs to be 200-250mL blood before eFAST +ve		Left Upper Quadrant	Normal	Inadequate	Positive	
				Left Haemothorax	Normal	Inadequate	Positive	
	Ø	<b>3. Subcostal</b> Tamponade is a clinical diagnosis. Look for fluid in the pericardial space. Pericardial fat pads may give the appearance of pericardial fluid. Fluid must have a depth of >5mm; traces of pericardial fluid are normal		Subcostal	Normal	Inadequate	Positive	
<ul> <li>Preparation</li> <li>Patient data entry, label images</li> <li>Probe: curvilinear or phased array</li> <li>Pre-set: abdominal or eFAST</li> <li>Position: supine, Trendelenburg patient; right side if able; lights dim if possible</li> </ul>		<ul> <li>4. Long. Pelvis         <ul> <li>Look for free fluid behind and above the bladder</li> <li>In the female, fluid collects initially in the Pouch of</li> <li>Douglas</li> </ul> </li> <li>5. Trans. Pelvis         <ul> <li>A small amount of pelvis free fluid is normal in children (4%)</li> </ul> </li> </ul>		Pelvis	Normal	Inadequate	Positive	
		<b>6.&amp;7. Long. Lung</b> Sliding sign and comet tail artefact are normal; loss of these indicate PTX. Pleuradhesis, large bullae, COPD and non-ventilation (eg endobronchial intubation) can simulate PTX. Lung USS is more sensitive than CXR for detecting PTX (88% sens., 99% spec.).		Right Lung Pneumothorax	Normal	Inadaguata	Positive	May need to switch to lung preset to see
5. Image optimisation: depth, Res/Gen/Pen, gain, TGC				Left Lung Pneumothorax	NOIMAI	mauequate		silding
Conclusions (Note: E-FAST findings must be consistent with clinical suspicion: integrate history, examination, investigations and USS findings). Unlike adults there is no algorithm that necessitates CT scan or disposition to theatre if positive. Consult with Paediatric Surgical service.								
Clinician		Signature Date			Time	Resource adapted fro	ource adapted from Ultrasound Villag	