

CLINICAL APPLICATIONS TRAINING SERIES

THE FAST SCAN (FOCUSED ASSESSMENT WITH SONOGRAPHY FOR TRAUMA)

Signos is always there when you need it for the rapid detection of free intraperitoneal fluid. Rapid identification of free fluid in the ‘golden hour’ after trauma can be life-saving. A FAST scan involves obtaining four basic images as outlined in the procedure. The technique can be easily learned and the images easily interpreted.

Indications for use

1. Blunt or penetrating thoraco-abdominal trauma
2. Unexplained hypotension
3. Suspected ectopic pregnancy

Procedure Outline

1. **The Suprapubic View** To assess for the presence of free fluid in the pelvis.



Figure A- Scan 4cm superior to the symphysis pubis in the pelvic midline

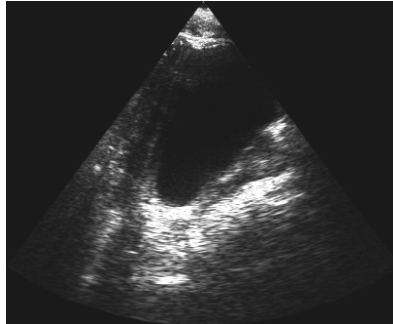


Figure B- Normal Appearance

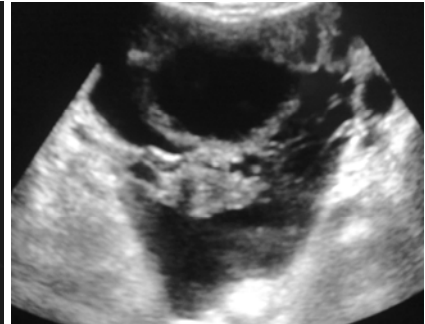


Figure C- Positive image of free fluid deep to the urinary bladder.

2. **The Right Upper Quadrant View** To assess for free fluid in Morison’s Pouch (hepatorenal recess) and around the margins of the liver, right kidney and in the right paracolic gutter.



Figure A- Scan subcostally and in the lower intercostal spaces along mid axillary line

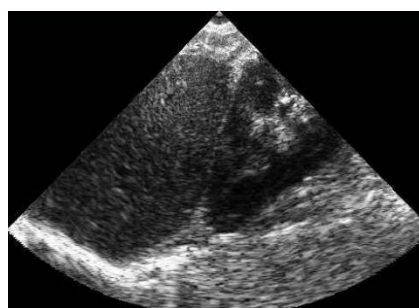


Figure B- Normal Appearance



Figure C- Positive image of free fluid around inferior margin of the liver

- 3. The Left Upper Quadrant View** To assess the splenorenal recess and left paracolic gutter for the presence of free peritoneal fluid.



Figure A- Scan subcostally and in the lower intercostals spaces along mid axillary line

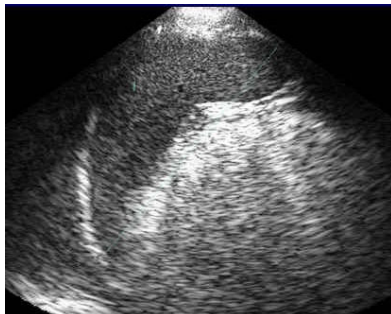


Figure B- Normal Appearance

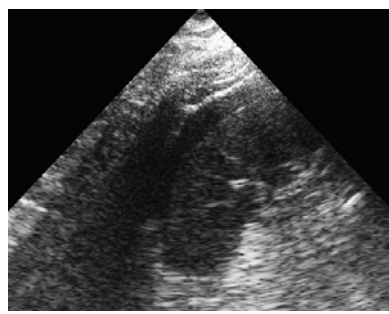


Figure C- Positive image of free fluid around diaphragmatic margin of the spleen

- 4. The Subxiphoid View** To assess for a pericardial collection.



Figure A- Scan subxiphoid directing probe toward the left shoulder tip

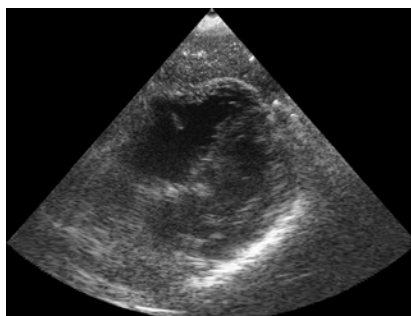


Figure B- Normal Appearance

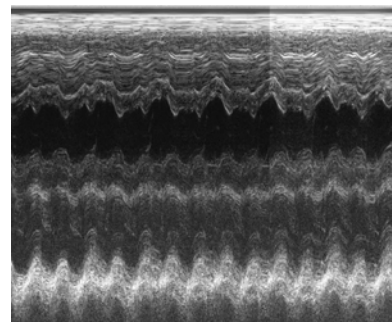


Figure C- Subxiphoid M-mode

View a video clip demonstrating this clinical application at www.signosticsmedical.com.



DISCLAIMER

This information is intended for educational purposes and to provide instruction in the operation of your Signostics ultrasound device. The techniques and procedures described should only be performed by a qualified clinician. The applicability of these techniques and procedures should be independently verified. Use of the information contained in this document is at your own risk.