

VETERINARY 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 below. The technique can be easily learned and the images easily interpreted.

Procedure Outline

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



Figure A - Scan position for Suprapubic view in the pelvic midline

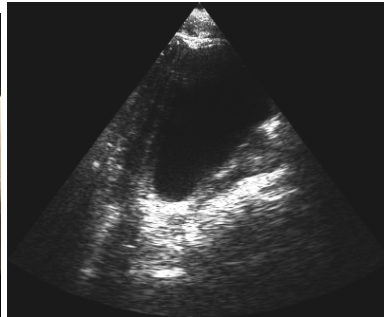


Figure B - Normal Appearance with the black urinary bladder

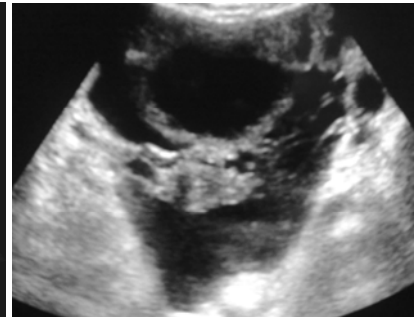


Figure C - Positive image of free fluid deep to and surrounding the urinary bladder.

2. **The Right Upper Quadrant View** To assess for free fluid in 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

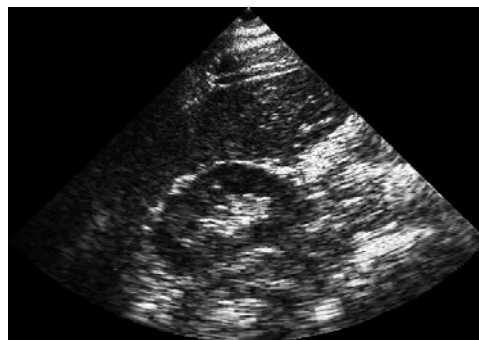


Figure B - Normal Appearance of hepatorenal recess



Figure C - Positive image of free fluid around liver margin.

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

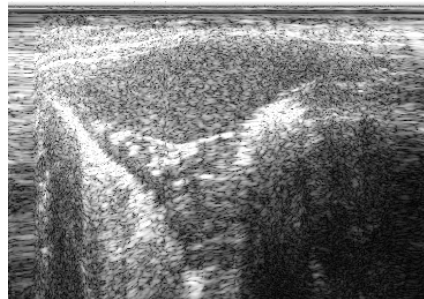


Figure B - Normal Appearance of the spleen

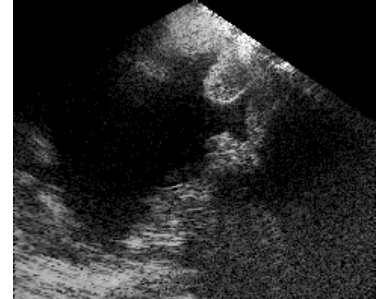


Figure C - Significant free peritoneal fluid seen in a German Shepherd with a ruptured splenic tumour

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



Figure A - Scan through subxiphoid and parasternal windows to identify the heart and pericardial space

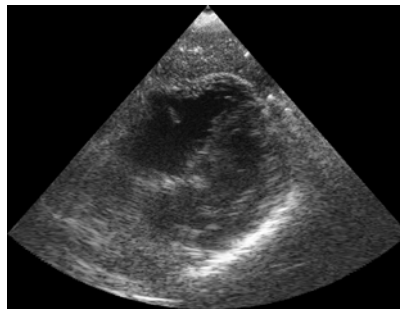


Figure B - Normal Appearance

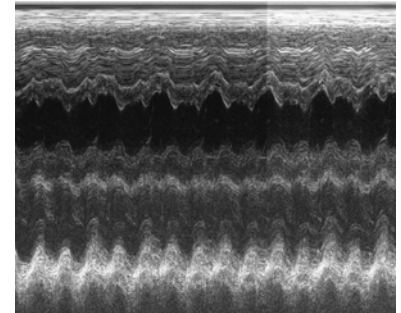


Figure C - Subxiphoid M-mode

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.