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

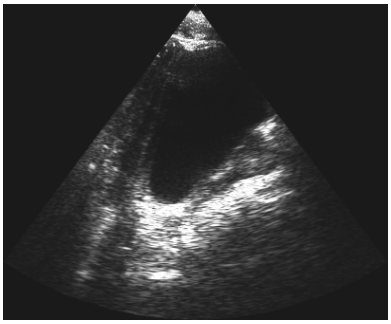

Figure B - Normal Appearance with the black urinary bladder

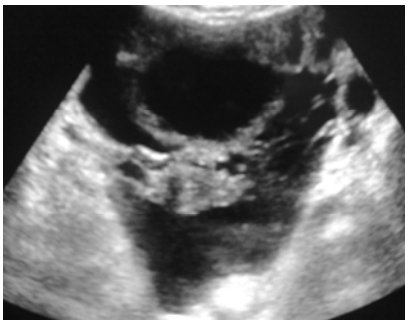

Figure C - Positive image of free fluid deep to and surrounding the urinary bladder.

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

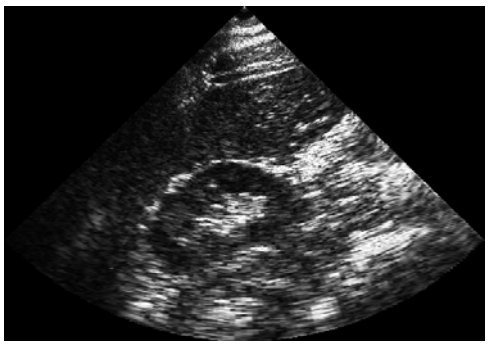

Figure B - Normal Appearance of hepatorenal recess

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

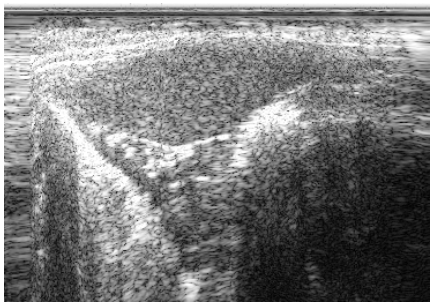

Figure B - Normal Appearance of the spleen

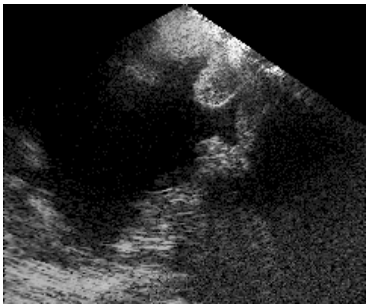

Figure C - Significant free peritoneal fluid seen in a German Shepherd with a ruptured splenic tumour

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

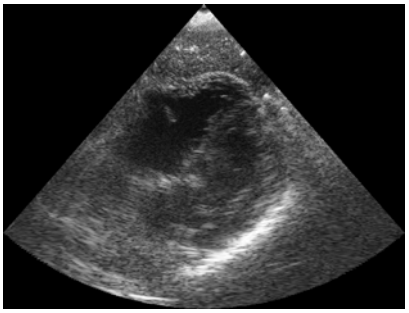

Figure B - Normal Appearance

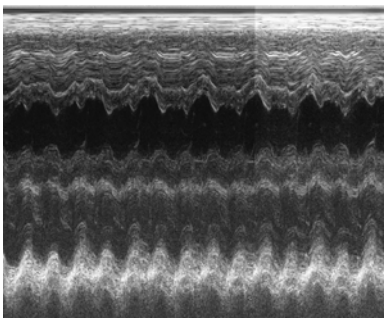

Figure C - Subxiphoid M-mode

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