**Appendix 3.** Guide to patient and belt preparation, positioning and commonly recorded variables from members of the consensus group

Landmarks for positioning	Landmarks commonly used by the consensus group members include the intercostal spaces. The space ranged from the $5^{\text{th}}$ intercostal space (ICS) (7/20) to the $6^{\text{th}}$ ICS (6/20).
	Other landmarks used in different species include:
	<b>Horses:</b> the axillary space (C), 3 fingers cranially from the xyphoid process in ponies (D), 5-6 <sup>th</sup> ICS and the level of the tuber ischium in foals (N), behind the point of the elbow as far cranially as possible (L), behind the olecranon and the withers (P), 3 fingers caudal to the elbow at the 6 <sup>th</sup> ICS at half the thorax height in horses.
	<b>Dogs:</b> sternum-length in cm x $0.17 =$ cm cranial to xyphoid and transversal to chest perpendicular to the spine (M).
	<b>Chickens:</b> the most cranial point of the sternum, transverse to the thorax and perpendicular to the spine.
	<b>Rhino:</b> 10cm caudal to the point of the elbow, transverse to the thorax and perpendicular to the spine (M).
	The consensus group recommends vertical placement of the belt in line with the 5-6 <sup>th</sup> intercostal space at the midpoint of the lateral thorax in large animals and small ruminants, and as per above in dogs and chickens. No information for other species is available.
Positioning of animal	The consensus group members have experience in all positions with EIT. The most used position is standing $(15/20)$ followed by dorsal $(11/20)$ , sternal $(4/20)$ and lateral $(5/20)$ recumbencies.
What data is routinely recorded	Common parameters recorded by members included:
besides EIT data?	<b>Signalment:</b> weight (7/20), height (3/20), circumference of thorax (6/20), body condition score (7/20), age (6/20) and gender (6/20).
	<b>Physical Examination:</b> heart rate (11/20), respiratory rate (8/20), temperature (5/20), ocular and nasal discharge

(1/20), lung auscultation (1/20) and Horse Owner Assessed Respiratory Signs Index (HOARSI) score (1/20).
<b>Reference Devices:</b> spirometry (13/20), volumetric capnography (6/20) blood pressure (7/20) and blood gas data (10/20).
Additional Recorded Variables: BAL cytology (2/20), tracheal mucus scores (2/20), flowmetric plethysmography (1/20), body/ head position (1/20), flow-volume curves (1/20), oesophageal pressure (2/20), ultrasound images of the lungs (1/20), cardiac output (1/20).