

Scoring sheet S2: MR Severity Score

1. **Left atrial size:** Maximum left atrial area at end systole, measured in a right-parasternal long-axis view optimized to image the left atrium, normalized to a body weight of 500 kg using methods of allometric scaling (also see Supplementary Material Table S1).

LAA _{max} (500) [1]	Points
$\leq 100 \text{ cm}^2$	1
101 – 120 cm^2	2
121 – 140 cm^2	3
$> 140 \text{ cm}^2$	4

2. **Jet size:** Size of the regurgitant jet (as visualized by Color Flow Doppler) relative to the left atrial area in a right-parasternal long-axis four chamber view, optimized to image the left atrium.

Jet size compared to LAA [2]	Points
$\leq \frac{1}{4} \text{ LA Area}$	1
$\leq \frac{1}{2} \text{ LA Area}$	2
$\leq \frac{3}{4} \text{ LA Area}$	3
$> \frac{3}{4} \text{ LA Area}$	4

3. **Subjective evaluation:** Size and shape of the left atria in a right-parasternal long-axis view, optimized to image the left atrium.

Criteria evaluated	Points
<ul style="list-style-type: none"> • Normal LA, no enlargement • Normal shape 	1
<ul style="list-style-type: none"> • Mild enlargement • Normal shape 	2
<ul style="list-style-type: none"> • Moderate enlargement • Rounded shape 	3
<ul style="list-style-type: none"> • Severely enlarged atrium • Very round 	4

4. Total score

Point Score	Severity
3 – 5	Mild
6 – 9	Moderate
10 – 12	Severe

References:

1. Huesler, I.M.; Mitchell, K.J.; Schwarzwald, C.C. Echocardiographic Assessment of Left Atrial Size and Function in Warmblood Horses: Reference Intervals, Allometric Scaling, and Agreement of Different Echocardiographic Variables. *J. Vet. Intern. Med.* **2016**, *30*, 1241-1252.
2. Young, L.; Rogers, K.; Wood, J. Heart murmurs and valvular regurgitation in thoroughbred racehorses: epidemiology and associations with athletic performance. *J. Vet. Intern. Med.* **2008**, *22*, 418-426.