

Appendix 2.

Brachycephalic Obstructive Airway Syndrome (BOAS) grading based on clinical examination (Lilja-Maula et al. 2017, modified from Liu et al. 2015)

	BOAS grade ^a			
	BOAS-		BOAS+	
	0	1 ^b	2 ^b	3
Upper respiratory noise at rest^c 0 = none 1 = mild 2 = moderate 3 = severe	0	0-1	1-2	2-3
Upper respiratory noise after exercise^c 0 = none 1 = mild 2 = moderate 3 = severe	0	1-2	1-2	2-3
Respiratory type at rest 0 = normal 1 = use of accessory respiratory muscles ^d	0	0	0-1	1
Resting dyspnoea or cyanosis 0 = none 1 = present	0	0	0	0-1

^aBOAS grade: 0 = no; 1 = mild, 2 = moderate, 3 = severe signs.

^bUpgrading to next BOAS grade is made in case the dog has all signs in upper range.

^cAudible upper respiratory noise evaluated without auscultation.

^dAccessory respiratory muscle use evident by nasal flaring and increased chest and abdominal wall movements.