

Dog Gait Analysis

Patient: Ace 22/04/2017
Record: 27/03/2023 12:23, Dog Treadmill Gait Analysis

Patient

Name	Ace
Breed	Great Dane
Gender	Male
Back length, cm	76
Shoulder height, cm	91
Owner	Jill
Last name	Gibson

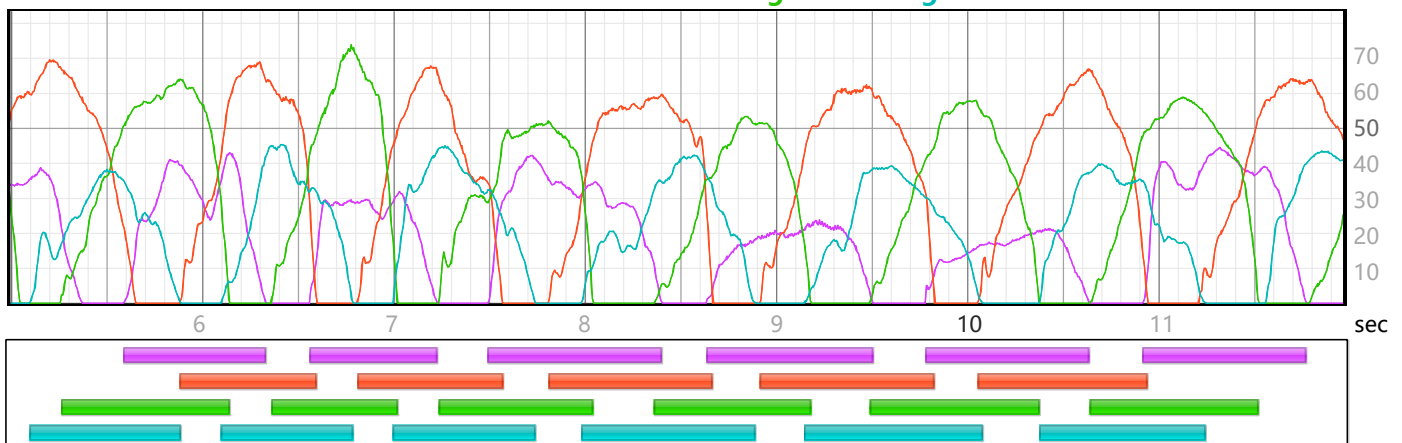
Patient comments

Record comments

Validation of step detection

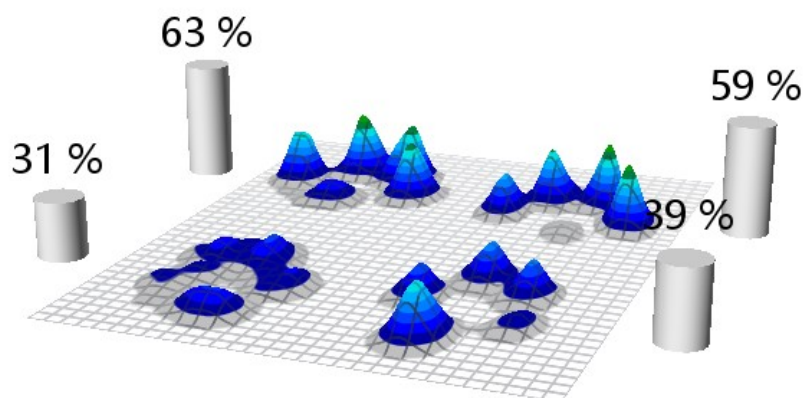
Force curve (% of body weight)

Hind Left Front Left Front Right Hind Right

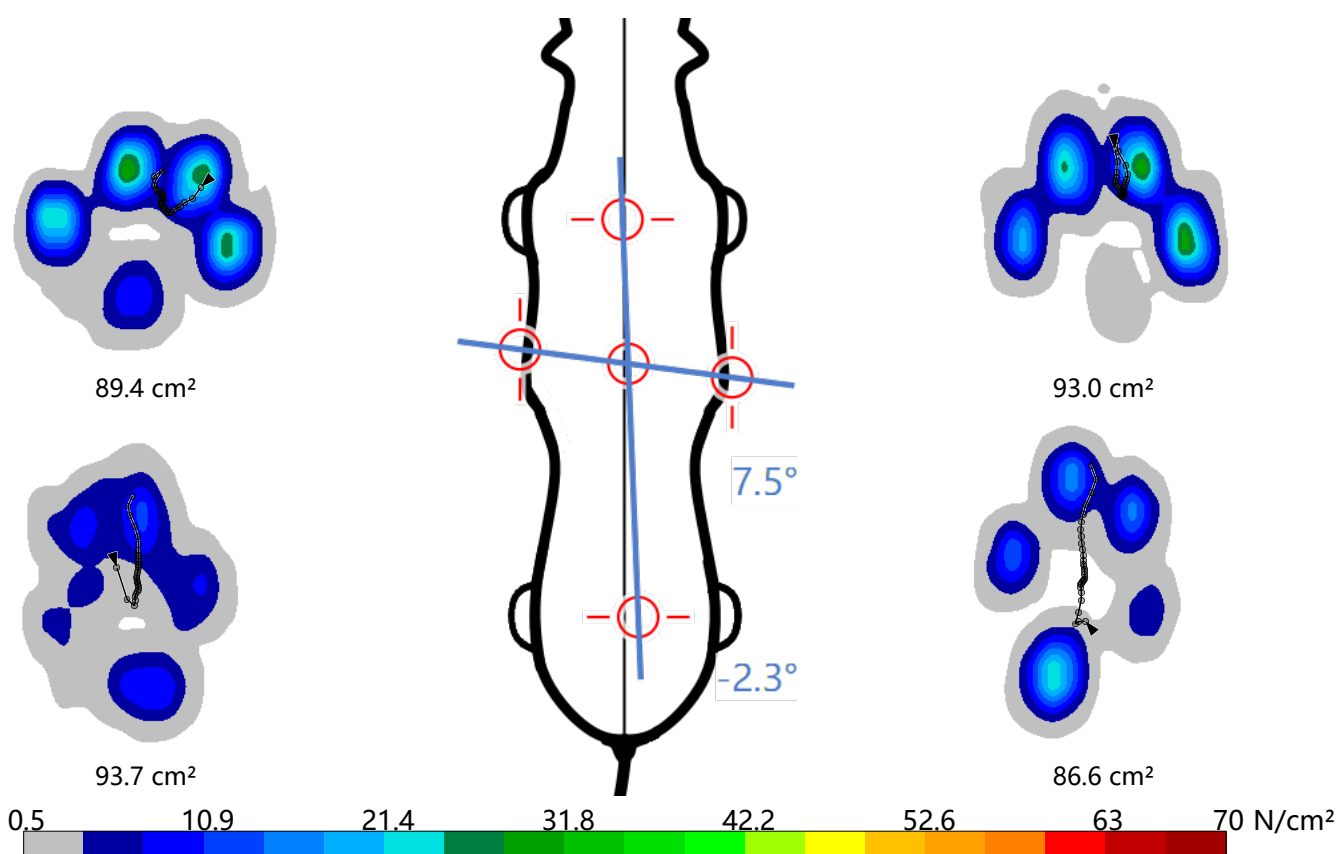


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Max force (% of body weight)



Body load distribution



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Gait parameters

Geometry

2.4 km/h

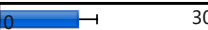
Step length, cm

Front	L	31.4±2.9		50
	R	39.2±4.6		
Hind	L	30.9±1.5		
	R	36.4±7.6		

Step/Stride ratio, %

Front	L	45.2±4.2		
	R	56.5±6.6		
Hind	L	44.4±2.1		
	R	52.4±11.0		

Step width, cm

Front	10.8±2.5		30
Hind	24.2±1.3		

Hind reach, cm

	L	-4.9±2.1	-30		30
	R	-4.3±1.5			

Stride length, cm

69.5±6.9		90
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Cadence, steps/min

114.2±11.6		140
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Symmetry index, %

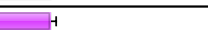
Front	8.2	
Hind	18.8	

Phases

Stance phase, %

Front	L	77.5±1.4		
	R	75.3±3.0		
Hind	L	75.7±2.6		
	R	77.1±1.3		

Swing phase, %

Front	L	22.5±1.4		
	R	24.7±3.0		
Hind	L	24.3±2.6		
	R	22.9±1.3		

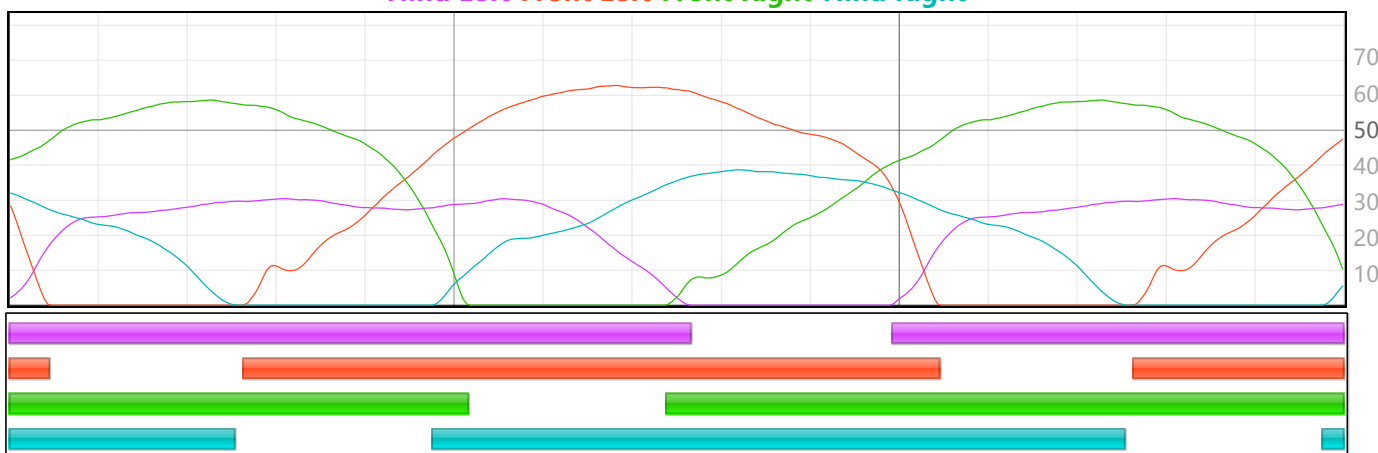
Double stance, %

Front	52.1±2.8	
Hind	52.9±3.4	

Average force curves

(% of body weight)

Hind Left Front Left Front Right Hind Right

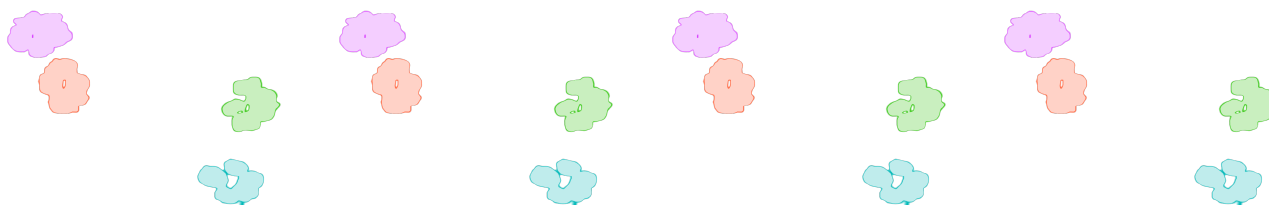


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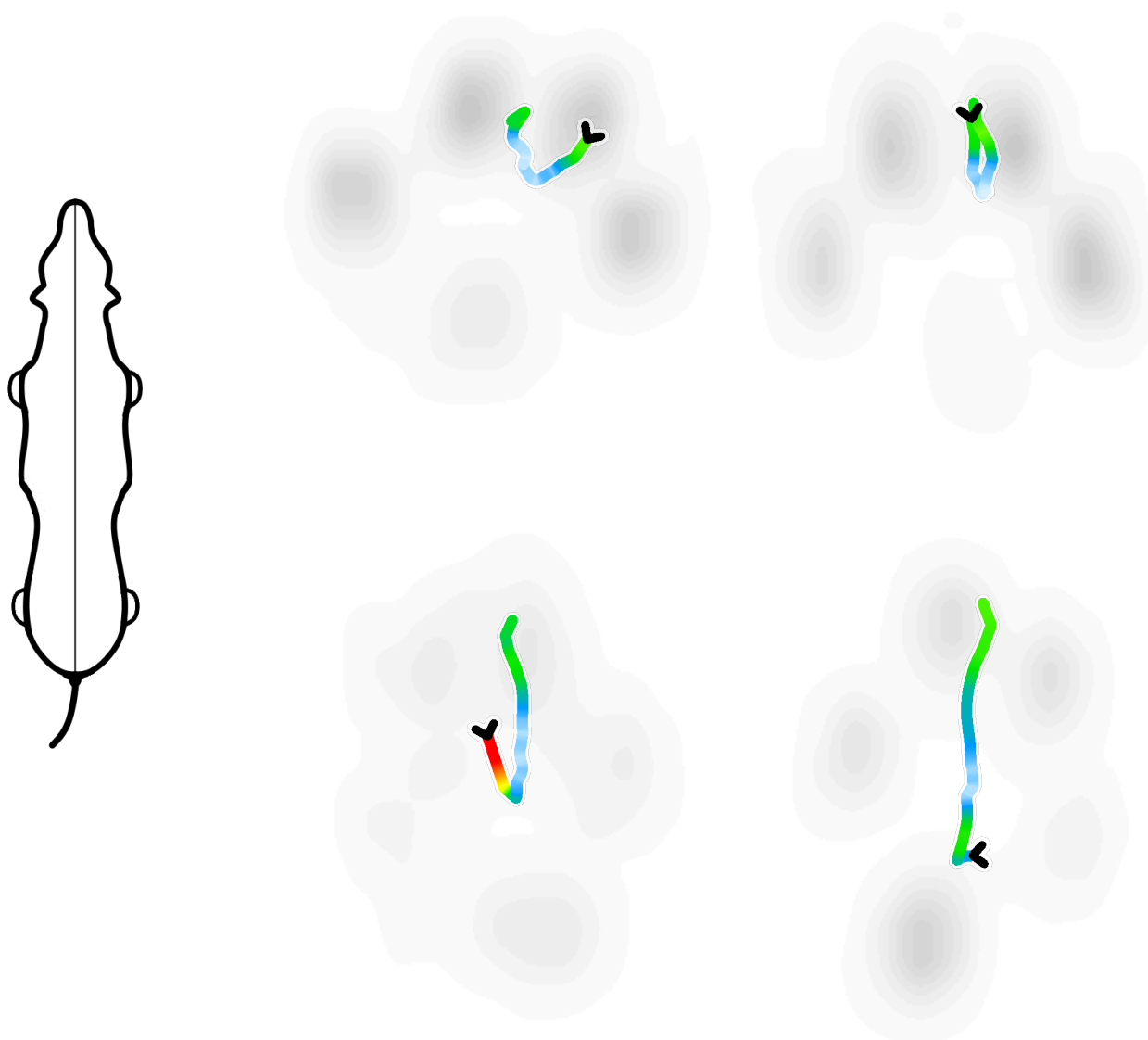
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Average step pattern

Hind Left Front Left Front Right Hind Right



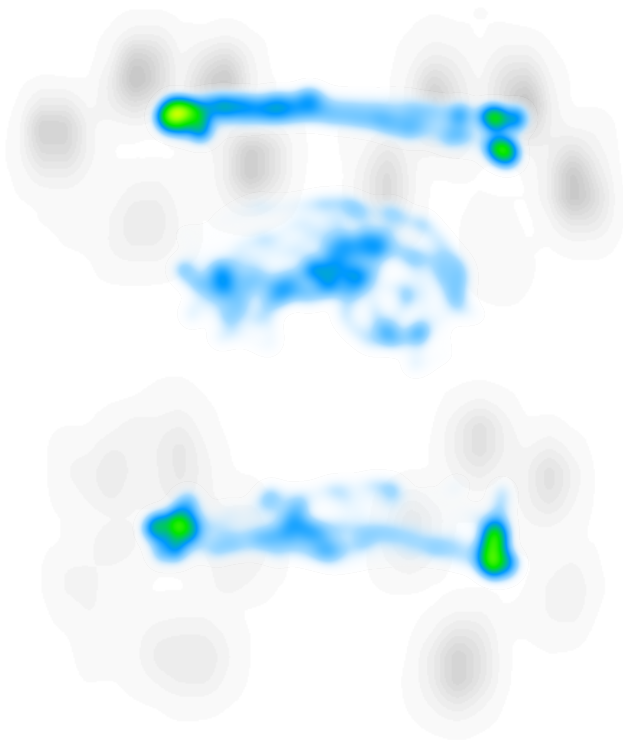
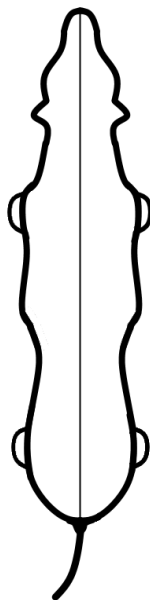
COP - Velocity (average)



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COP Density Combined



Separate

