

Spontaneous Incidence of Common Arrhythmias in Göttingen Minipigs

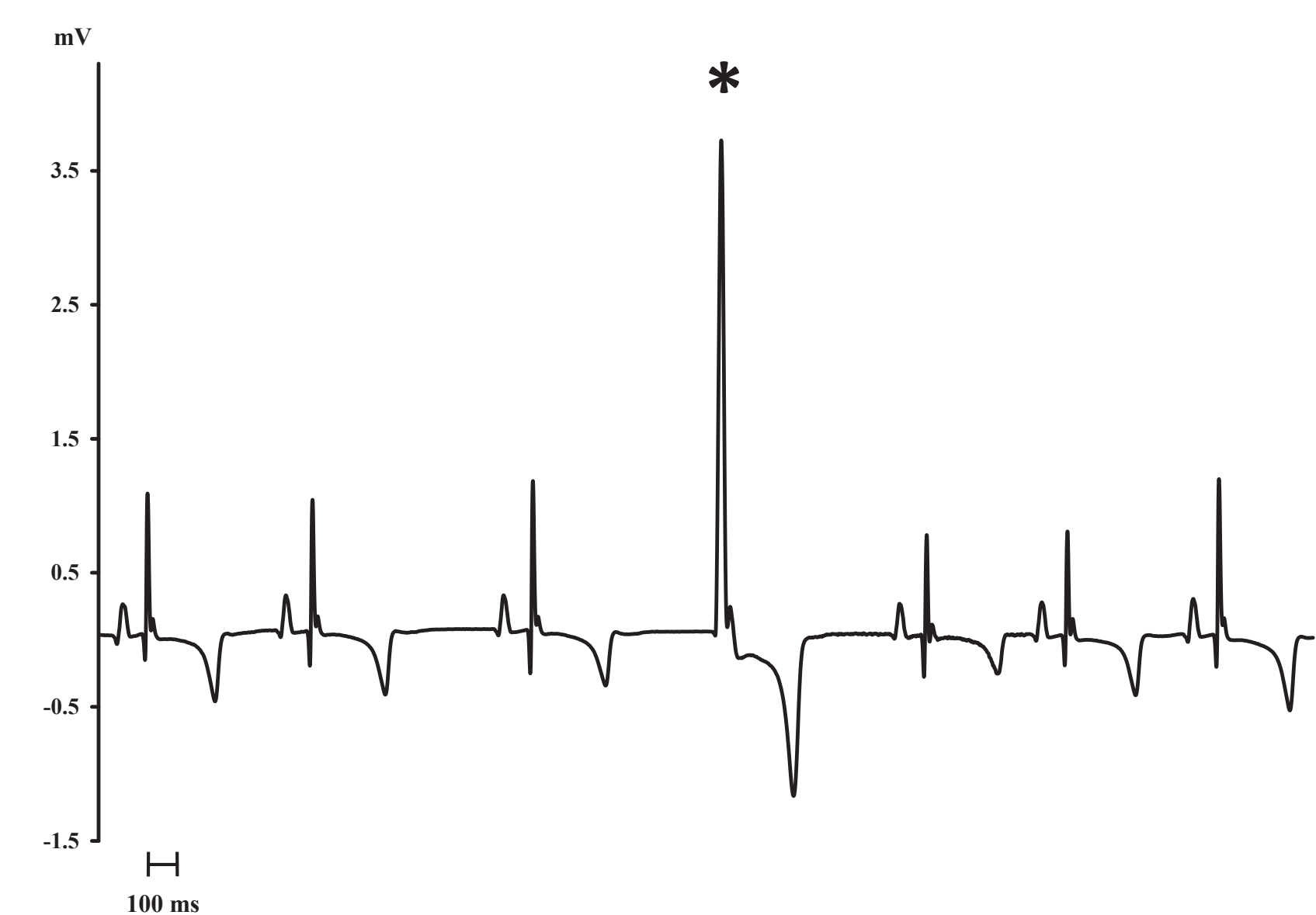
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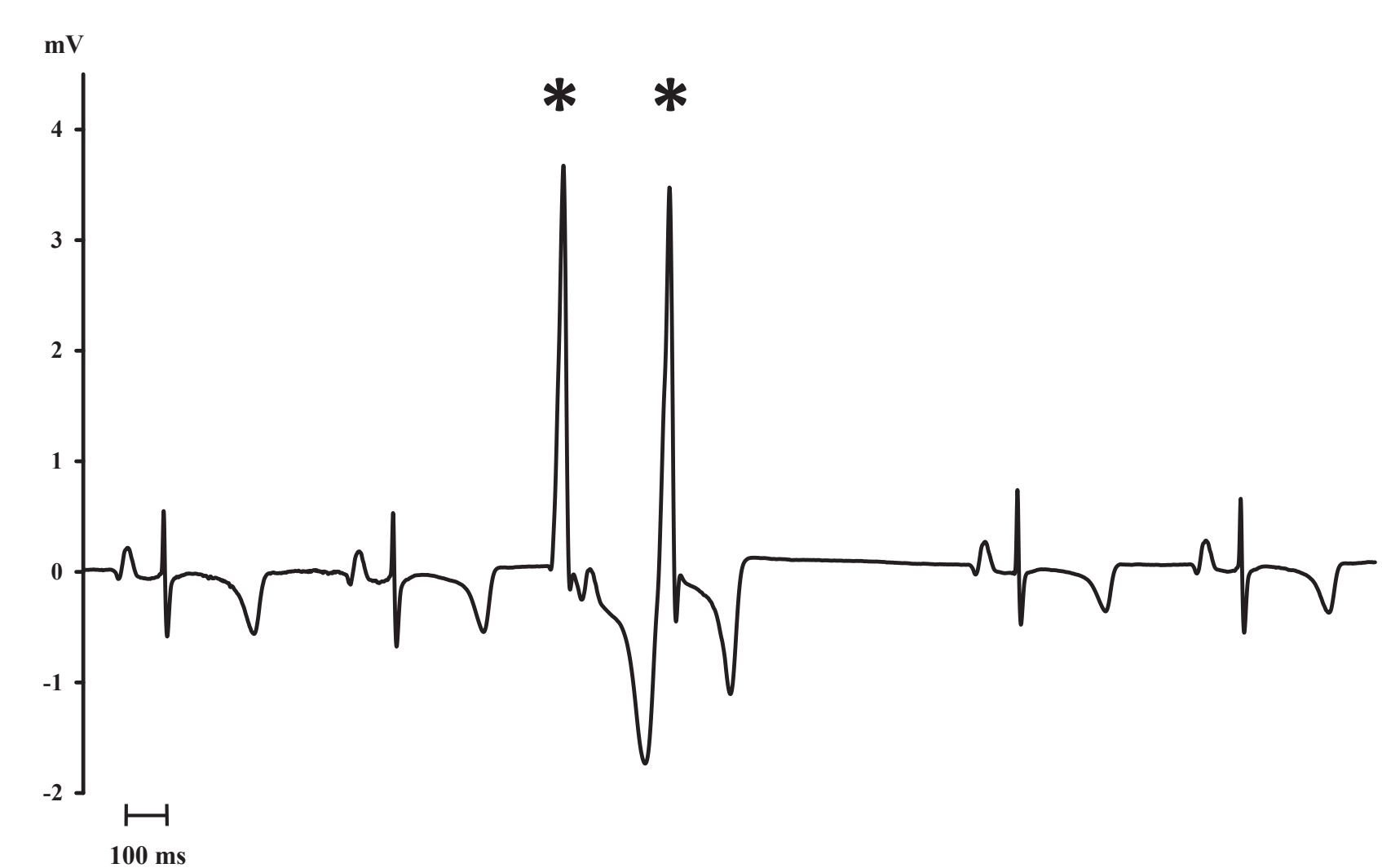
1 Materials and methods

Retrospective analysis using baseline ECG raw traces recorded in 2018-2019
 Population: 108 Göttingen minipigs (63 males and 45 females) at 8-11 kg and 4 to 5 months
 Animal source: Ellegaard Göttingen Minipigs A/S, DK-4261 Dalmose, Denmark or Marshall Bioresources, North Rose, NY, USA
 Environment: HEPA filtered air, temperature of 21° C ± 3° C, 12-15 air changes per hour, 12 hours light cycle
 Diet: SDS minipig diet (SMP (E) SQC) from Special Diets Services, Witham, Essex, CM8 3AD, U.K and dehydrated compact gras, Hartog B.V., Netherlands or Envigo Teklad Certified Miniswine Diet #7037C
 Telemetry recording systems: Jacketed External Telemetry (JET™) technology (DSI, St.Paul, MN, U.S.A.) with the Ponemah Physiology Platform (P3, version 5.00, DSI, St.Paul, MN, U.S.A.) or Ponemah Acquisition version 6.32.
 Data: At least 22 hours of ECG data per animal with Lead II electrode placement
 Analysis: Ponemah Physiology Platform Analysis software, version 6.32 and Arrhythmia detection using Data Insights (DSI Arrhythmia detection platform) with manual over-read.

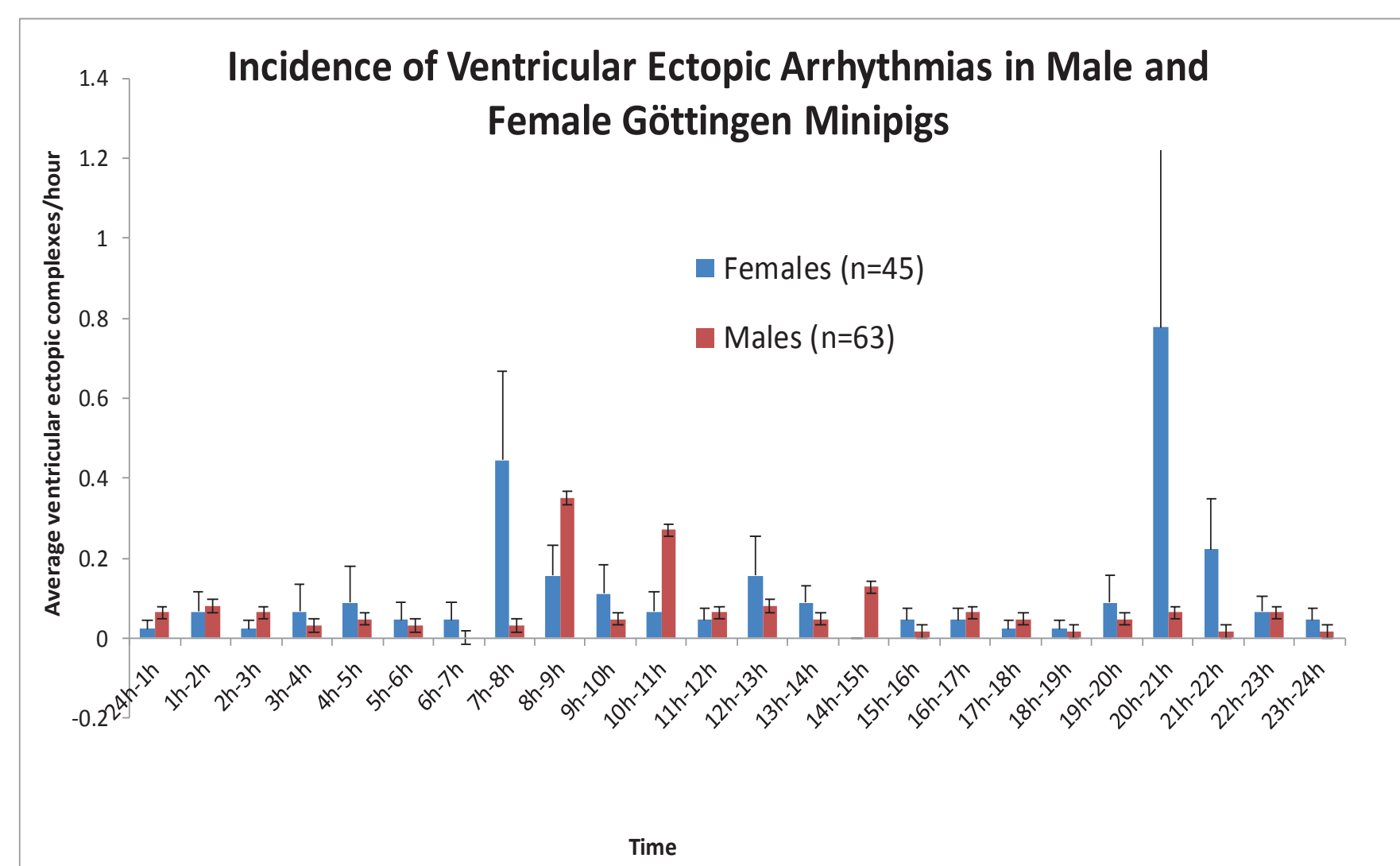
Premature Ventricular Contraction in a Göttingen Minipig



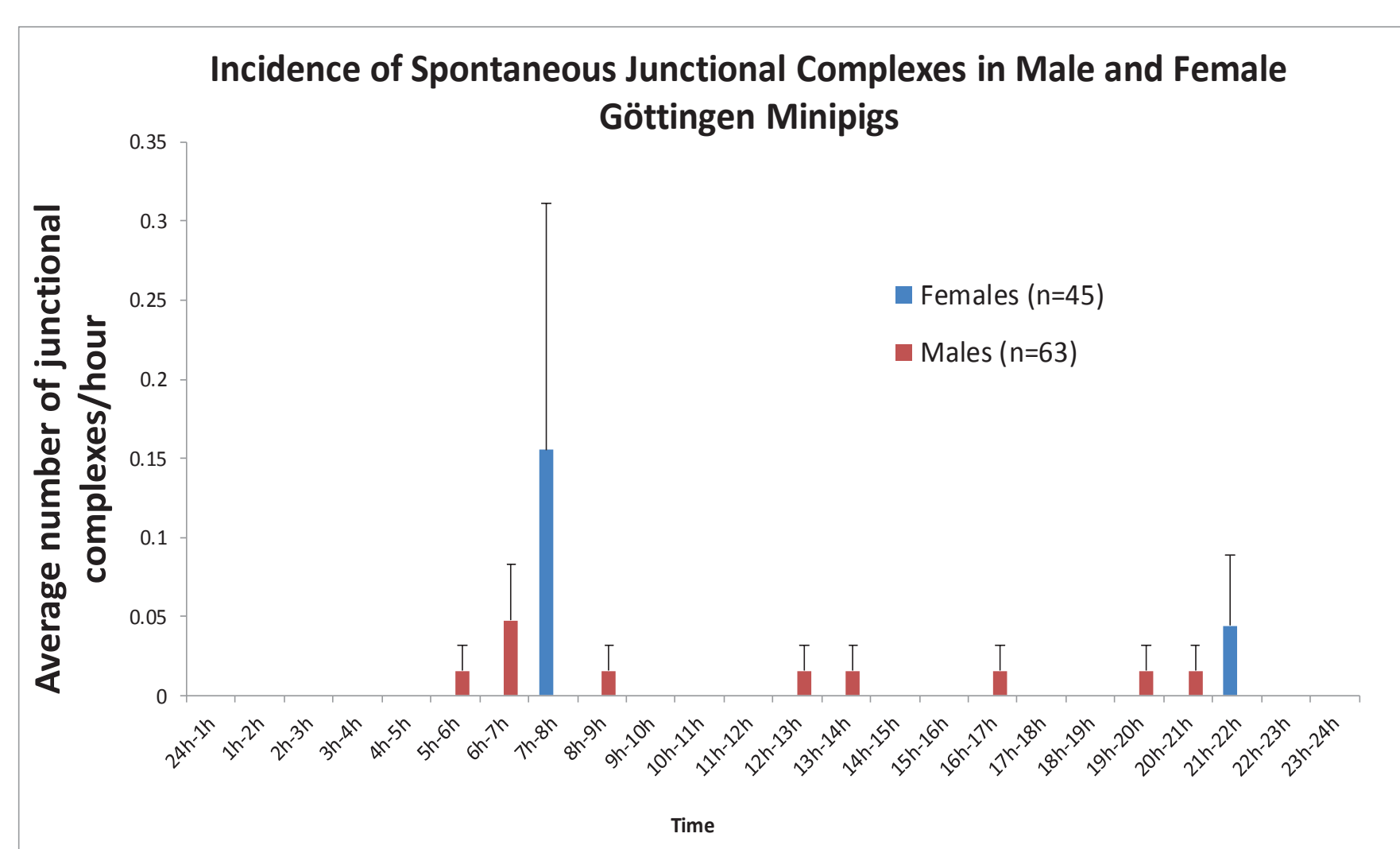
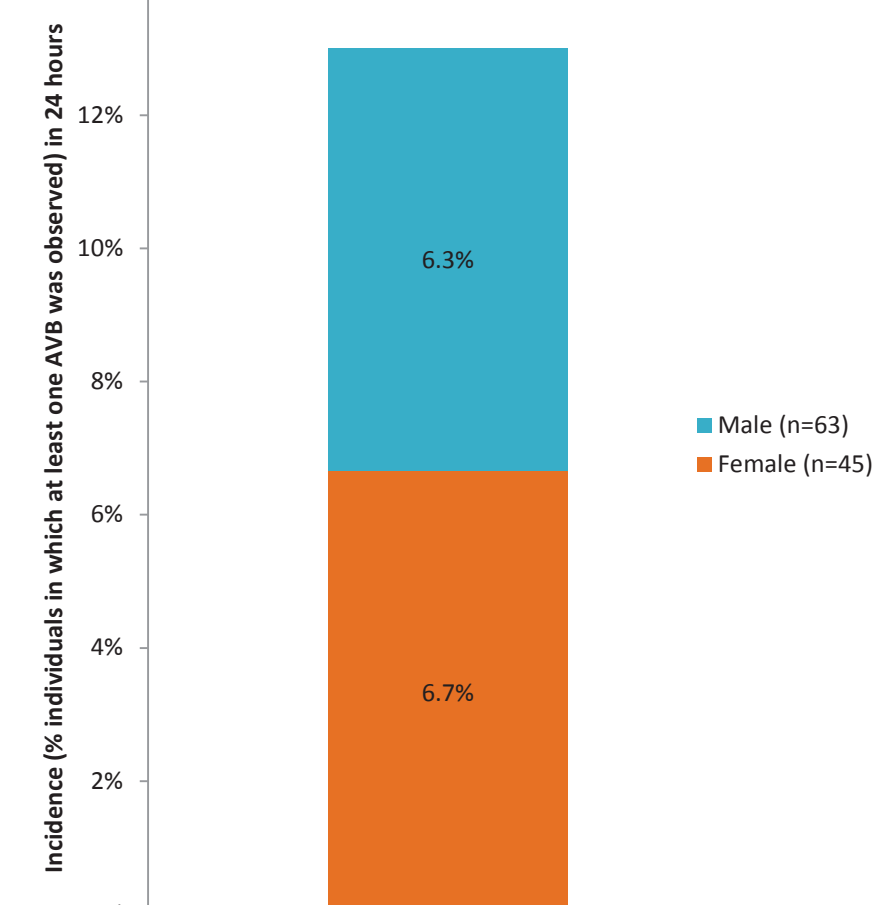
Premature Ventricular Contractions (Couplets) in a Göttingen Minipig



Atrioventricular Block in a Göttingen Minipig

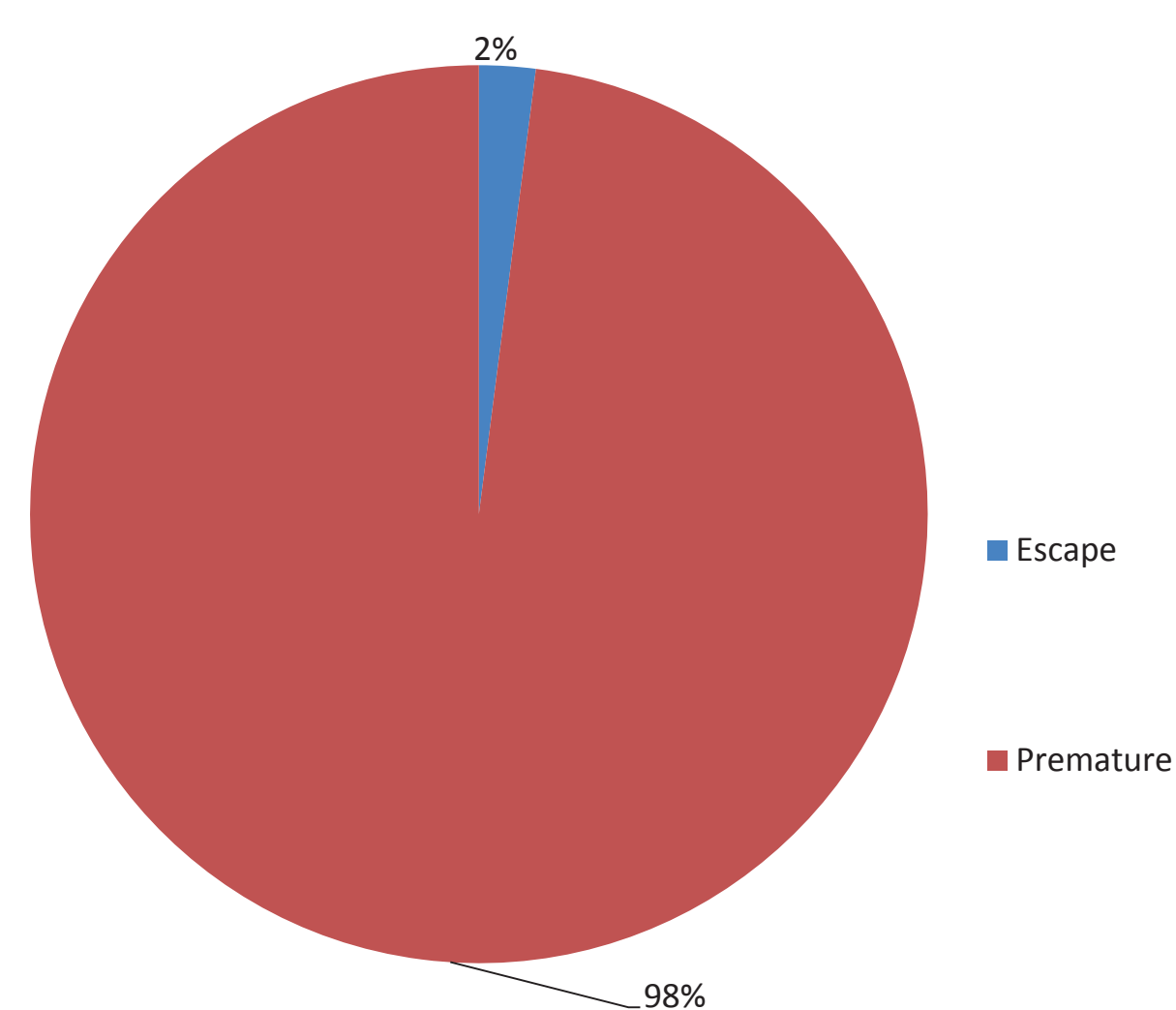


2nd Degree Atrioventricular Blocks (AVB) in Male and Female Göttingen Minipigs

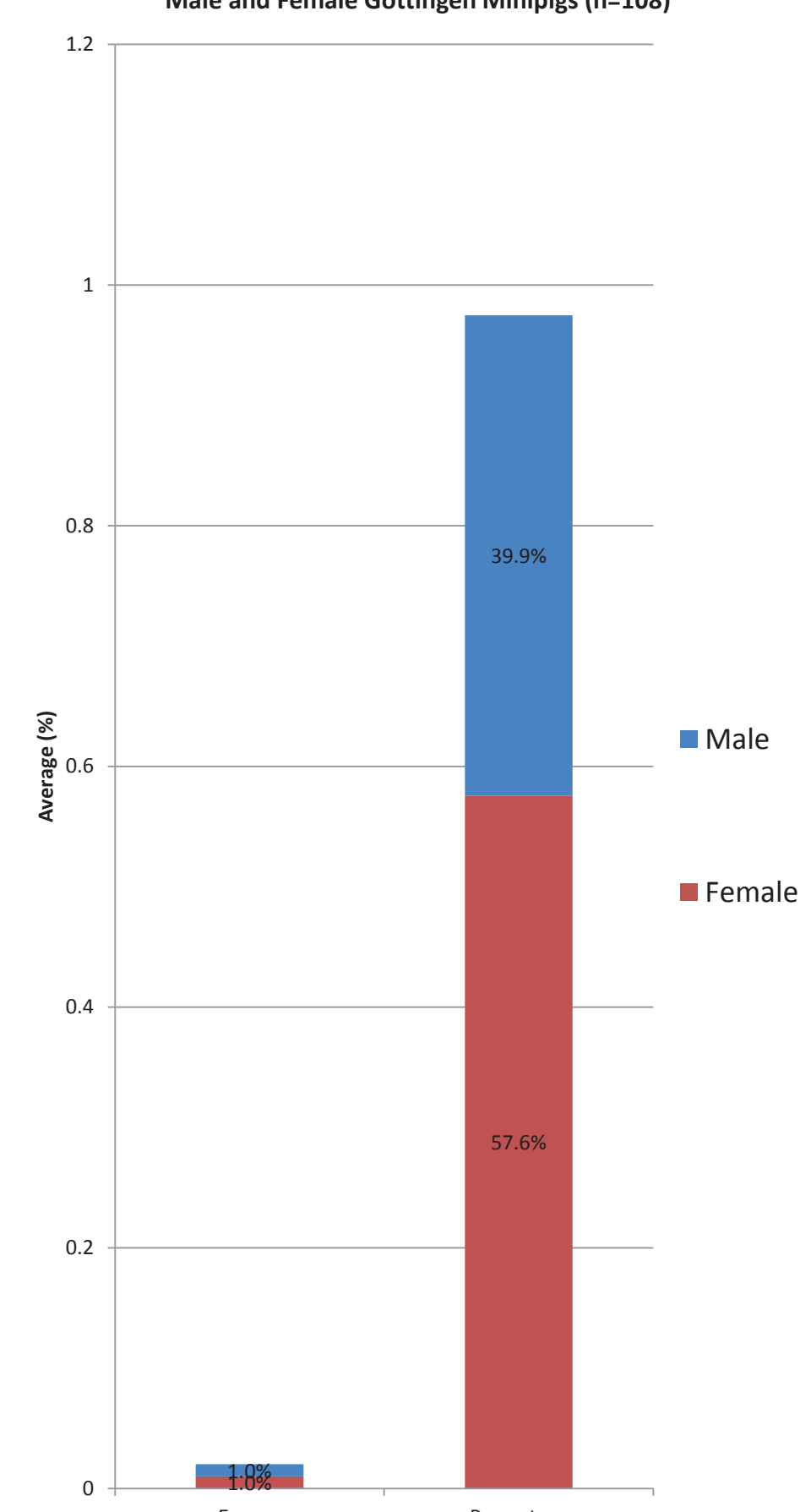


	Total	Female	Male
	n	n	n
Ventricular Ectopic Complexes	230	124	106
	% of animals with at least one	% of animals with at least one	% of animals with at least one
Single	222	117	105
Couplet	2	1	1
Triplet	0	0	0
Premature Ventricular Complexes	223	122	101
Escape	4	2	2
2nd Degree AV Block	7	3	4
	6.5	6.7	6.3
Junctional Ventricular Complexes	19	9	10
	9.3	4.4	12.7
Escape Junctional	7	7	0
Premature Junctional	10	2	8

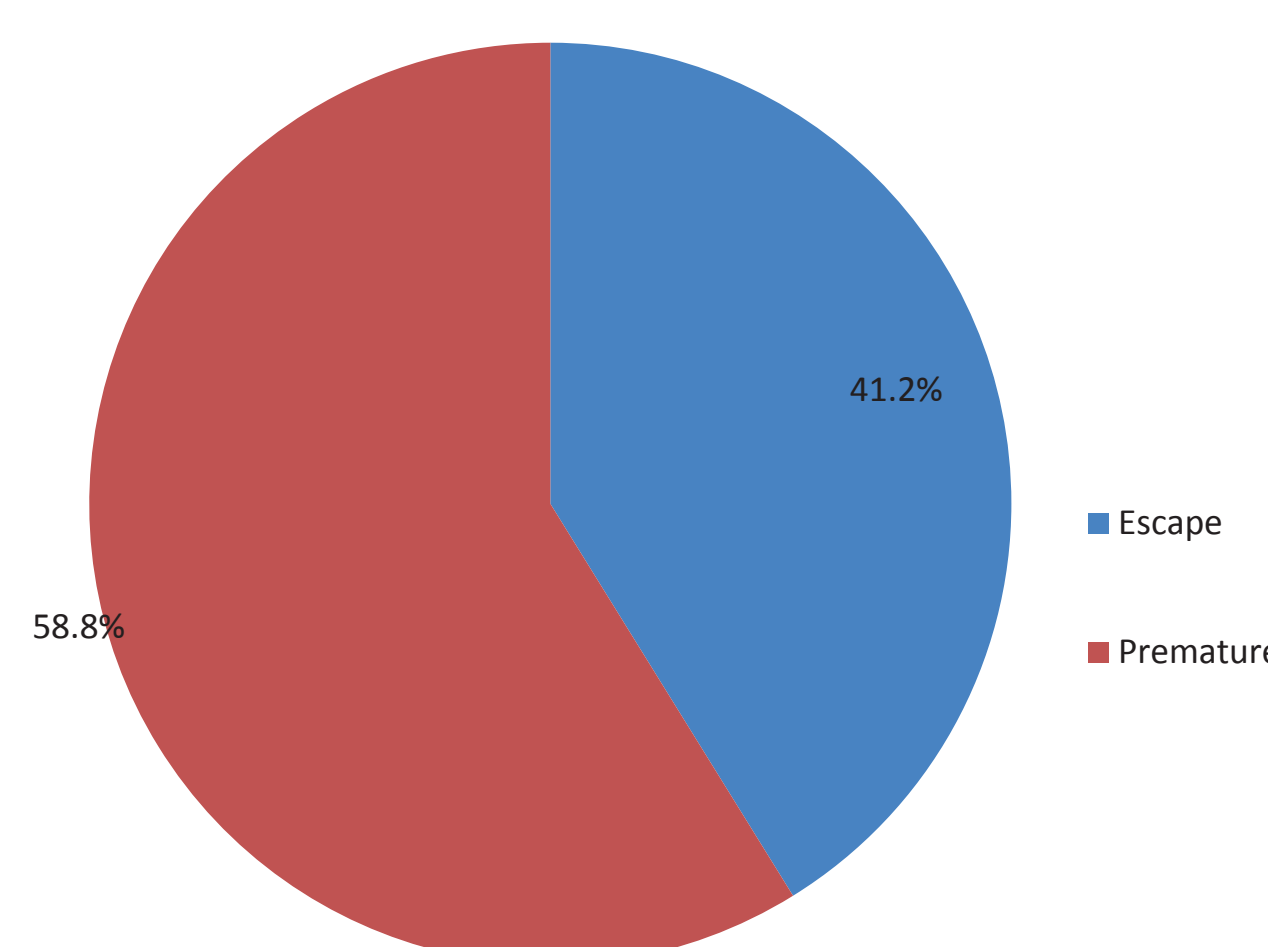
Premature or Escape Ventricular Ectopic Complexes in Male and Female Göttingen Minipigs (n=108)



Premature or Escape Ventricular Ectopic Complexes in Male and Female Göttingen Minipigs (n=108)



Premature or Escape Ventricular Junctional Complexes in Male and Female Göttingen Minipigs (n=108)



Premature or Escape Ventricular Junctional Complexes in Male and Female Göttingen Minipigs

