



SPECIALIST VETERINARY CARDIOLOGY CONSULTANCY LTD

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STATUS: CLOSED

LAST MODIFICATION: 27 SEP 2011 14:59:00

OWNER'S NAME :	KING	ANIMAL'S NAME :	SAFFI
WEIGHT :	4 Kg	BIRTH DATE :	27 JUL 2011
AGE :	8 w	GENDER :	F
BREED :	BORDER COLLIE	SPECIES :	CANINE
NEUTERED :	NO		
BSA :	0.26 m ²		
IDENTIFICATION :	11216	EXAM DATE :	27 SEP 2011
ACCESSION NUMBER :	11216	OPERATOR :	LF
PERFORMING PHYSICIAN :	HIGHCROFT	REPORT DATE :	27 SEP 2011

DOPPLER

MITRAL

MIT PEAK VEL E WAVE :	107.0	cm/s	MIT E WAVE ACC TIME :	70	ms	MIT E WAVE DEC TIME :	73	ms
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AORTA

AORTIC PEAK VELOCITY :	-159.4	cm/s	AORTIC PEAK GRADIENT :	10.2	mmHg
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TRICUSPID

TRIC VEL E WAVE : 81.5 cm/s

PULMONARY ARTERY

PULM PEAK VELOCITY :	-91.0	cm/s	PULM PEAK GRADIENT :	3.3	mmHg
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B-MODE

LEFT VENTRICLE

IV SEPTUM-DIASTOLE :	5.4	mm	LV DIAMETER-DIAST :	30.8	mm	POST WALL-DIASTOLE :	4.4	mm
LV DIAMETER-SYST :	21.4	mm	EJECTION FRACTION :	59	%	LV FRACT SHORTENING :	30	%
LV MASS :	32	g						

AORTA

AORTIC DIAMETER :	12.0	mm	AORTIC AREA (d) :	114	mm ²
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LEFT ATRIUM

LA DIAMETER : 17.4 mm

M-MODE

LEFT VENTRICLE

RV DIAMETER-DIAST :	1.7	mm	IV SEPTUM-DIASTOLE :	5.4	mm	LV DIAMETER-DIAST :	30.0	mm
POST WALL-DIASTOLE :	4.7	mm	IV SEPTUM-SYSTOLE :	8.3	mm	LV DIAMETER-SYST :	19.6	mm
POST WALL-SYSTOLE :	7.7	mm	EJECTION FRACTION :	65	%	LV FRACT SHORTENING :	35	%
SEPTUM THICKENING :	53	%	PW THICKENING :	66	%	LV MASS :	25	g

ADDITIONAL MEASURES

B-MODE

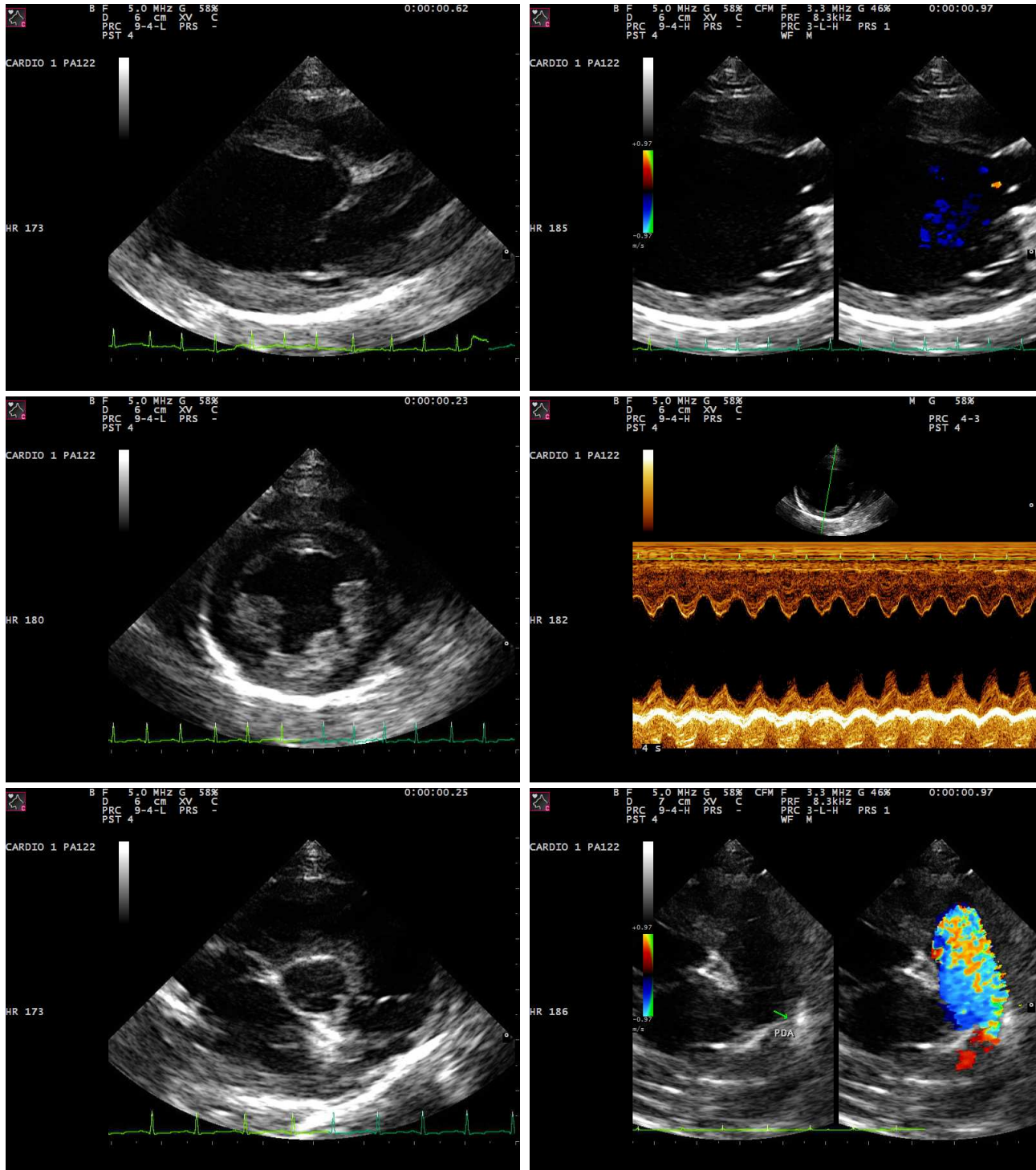
PDA ostium

PDA ostium : 2.3 mm

M-MODE

EPSS

EPSS : 4.0 mm



CARDIAC STRUCTURE: Increased left ventricular diastolic diameter.
Mild-moderate left atrial enlargement
Patent ductus arteriosus visible from the left cranial view.

CARDIAC FUNCTION: There is a continuous turbulence originating from the distal main pulmonary artery and invading most of the right outflow tract. This abnormality is visible both on the right and left parasternal view and produces a continuous spectral Doppler typical of a patent ductus arteriosus. Trivial mitral regurgitation is also present.

ECG: Normal sinus rhythm

The echocardiographic features are consistent with a patent ductus arteriosus (PDA) with mild-moderate

COMMENTS: secondary cardiac remodelling.

Dr Luca Ferasin