

PATIENT

Jake Gray

History

Presented for health certificate.

SPECIES

Canine

Current therapy

None.

BREED

Chihuahua

Physical Examination

Arrhythmia and cyanosis when placed in lateral recumbency. Normal blood pressure.

SEX

Intact Male

Echocardiography

- Normal size of the atria and ventricles.
- Normal myocardial contraction.
- Normal appearance of the valves with no regurgitation evident.
- No pericardial or pleural effusion evident.

AGE

7 years

ECG on echo monitor

Ventricular tachycardia as a result of multiple VPCs. Normal PQRST complexes in-between the VPCs.

WEIGHT

6 #

INTERPRETATION OF THE FINDINGS

The pertinent findings in this patient are:

- VPCs with ventricular tachycardia.
- Cyanosis on lateral recumbency.

HOSPITAL NAME

Torch Lake Veterinary
Clinic

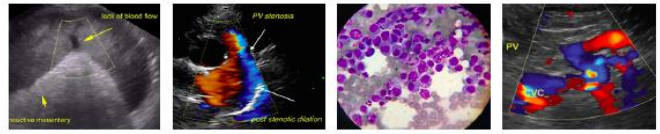
VPCs may be from primary cardiac or systemic diseases. The cyanosis is most likely of a central origin.

REFERRING VET

Dr Adrienne Waffle

DATE

4/6/22



PATIENT

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DIFFERENTIAL/PERTINENT DIAGNOSES

VPC/tachycardia

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- Cardiac disease:
 - Cardiomyopathy
 - Valvular disease
 - Congenital heart disease
 - Myocarditis/endocarditis
- Systemic conditions:
 - Hypokalemia
 - Anemia
 - Met-hemoglobinemia
 - Hypoxemia
 - Trauma
 - Gastric dilatation-volvulus
 - Splenic/hepatic masses
 - Toxicity (chocolate, bronchodilators, recreational drugs)
 - Acidosis

Cyanosis

- Pulmonary disease:
 - Edema
 - Pneumonia
 - Fibrosis
 - Neoplasia
 - Hemorrhage
 - Thromboembolism
- Pleural space:
 - Pneumothorax
 - Pleural effusion
- Airway obstruction:
 - Laryngeal paralysis
 - Tracheal foreign body

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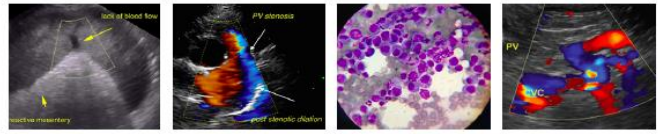
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From the available information, etiologies that have been eliminated are cardiomyopathy, valvular heart disease, congenital heart disease, gastric dilation/torsion, and pleural space disorders.



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RECOMMENDATIONS

Initial further assessment would be complete history, survey thoracic radiographs, CBC, serum electrolytes, cardiac troponin and Pro-BNP assay, and abdominal ultrasound.

Drugs that can be used to control the VPCs/tachycardia (if there are no systemic disorders) would be lidocaine, B-blockers, calcium channel blockers, and amiodarone.

Thank you for the referral. Please do not hesitate to contact me if you require any further advice concerning this case and if there is further diagnostic data available.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za