Pulmonary vein to pulmonary artery ratio in healthy and cardiomyopathic cats


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METHODS

BACKGROUND

- PV/PA ratio has been previously described in dogs and helps identify dogs with CHF.
- PV/PA has never been described in healthy cats and cats with cardiomyopathy.

MATERIALS

- 51 healthy cats
- 24 subclinical cardiomyopathic cats
- 24 cardiomyopathic cats with CHF

PV and PA measured in M-mode at the minimum and maximum diameters

- Calculated variables: PV_{max}/PA_{max}, PV_{min}/PA_{min}, PV_{min}/Ao, PV_{max}/Ao, PA_{max}/Ao, PA_{min}/Ao, ΔPV, ΔPA
- Reference interval in healthy cats
- Sensitivity and specificity in detecting CHF

CONCLUSIONS

- The present study provided PV/PA reference range in healthy cats.
- PV/PA ratio might help the clinician in discriminating subclinical cats from cats with CHF.
- PV/PA performed better than LA/Ao in diagnosing CHF in cats.

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REFERENCES
