



Fighting FATE

(Feline Aortic Thromboembolism)

A retrospective look at treatment and outcomes

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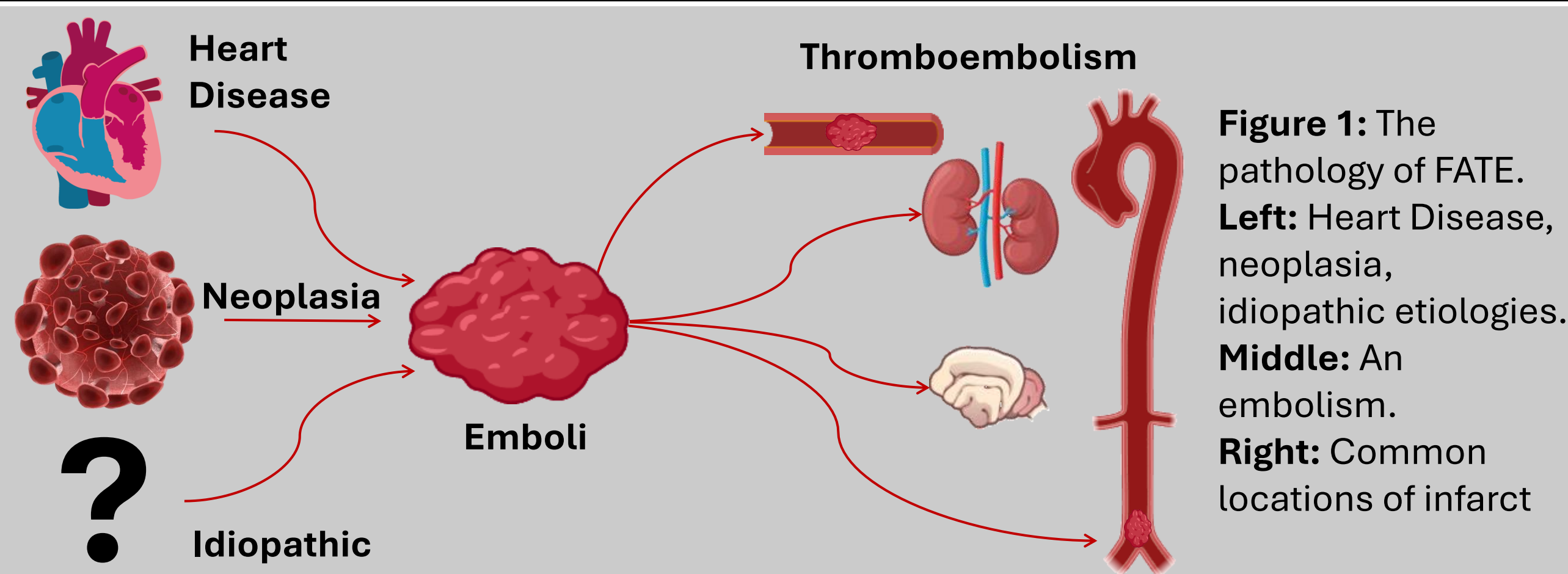


Ask me about my cat!



and while you are here check out our retrospective study

Background



FATE is a debilitating disease where a blood clot becomes lodged in the aortic trifurcation stymying blood flow.



Objective

- Assess the efficacy of specific treatments in improving patient outcomes.
- Compare current patient signalment trends with those reported in previous retrospective studies.
- Inform future hospital treatment protocols through evaluation of this study and a review of relevant literature.

Methods

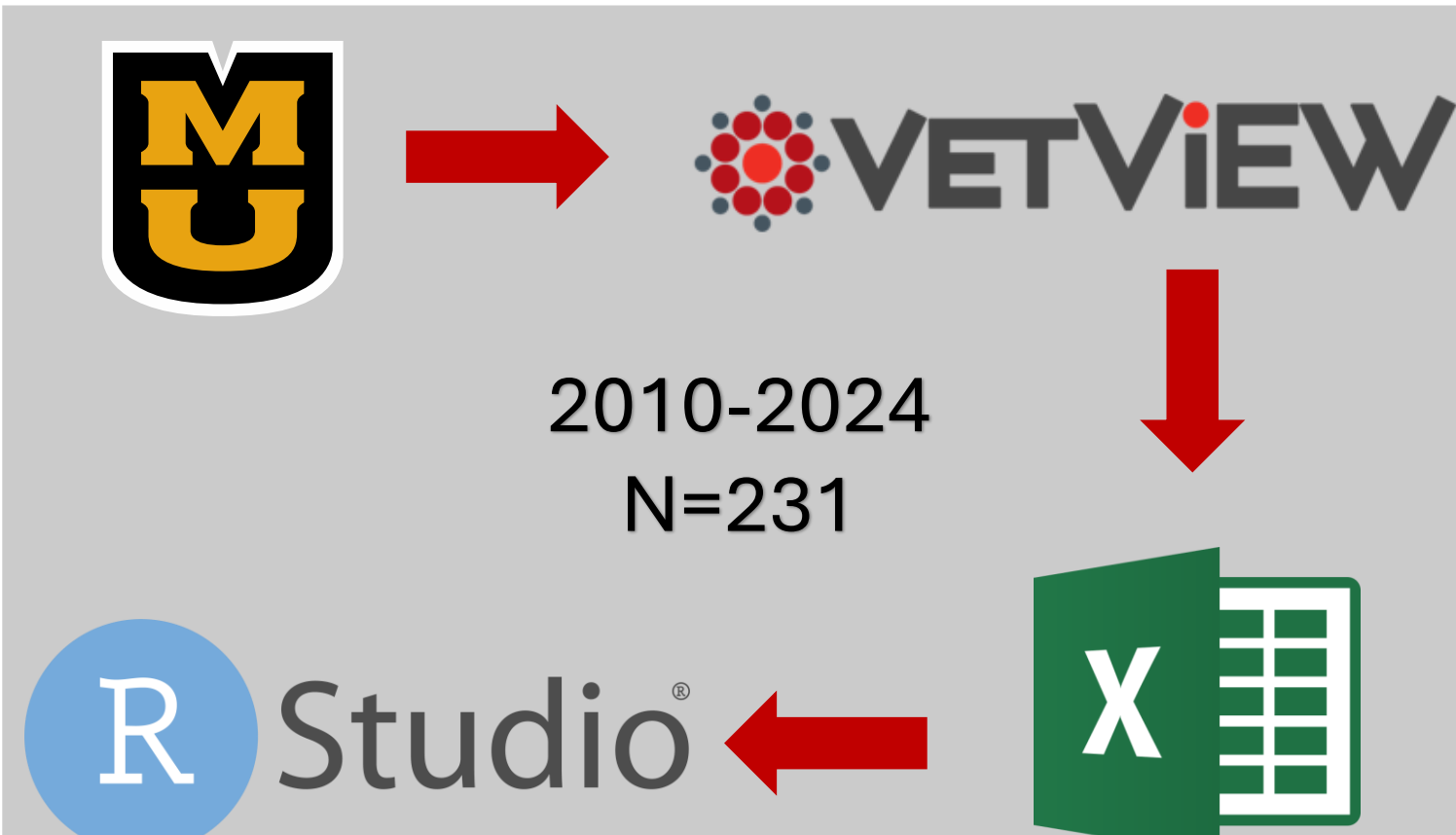


Figure 2: University of Missouri Veterinary Health Center VetView records were accessed for feline patients diagnosed with aortic thromboembolism. That data was organized into a spreadsheet and data analysis was performed in R Studio.

Find all the cats and tell me how many for a prize (limit 75)

Conclusion

- Clopidogrel was the most used anticoagulant and had only marginally better outcomes than Heparin. Aspirin and Enoxaparin were not utilized enough to examine significance.
- Signalment trends continue in line with those of previous studies. This is the first study to examine coat color, however, due to the subjectivity of reporting may not be indicative of significance.
- The data is still being analyzed for significance.

Signalment

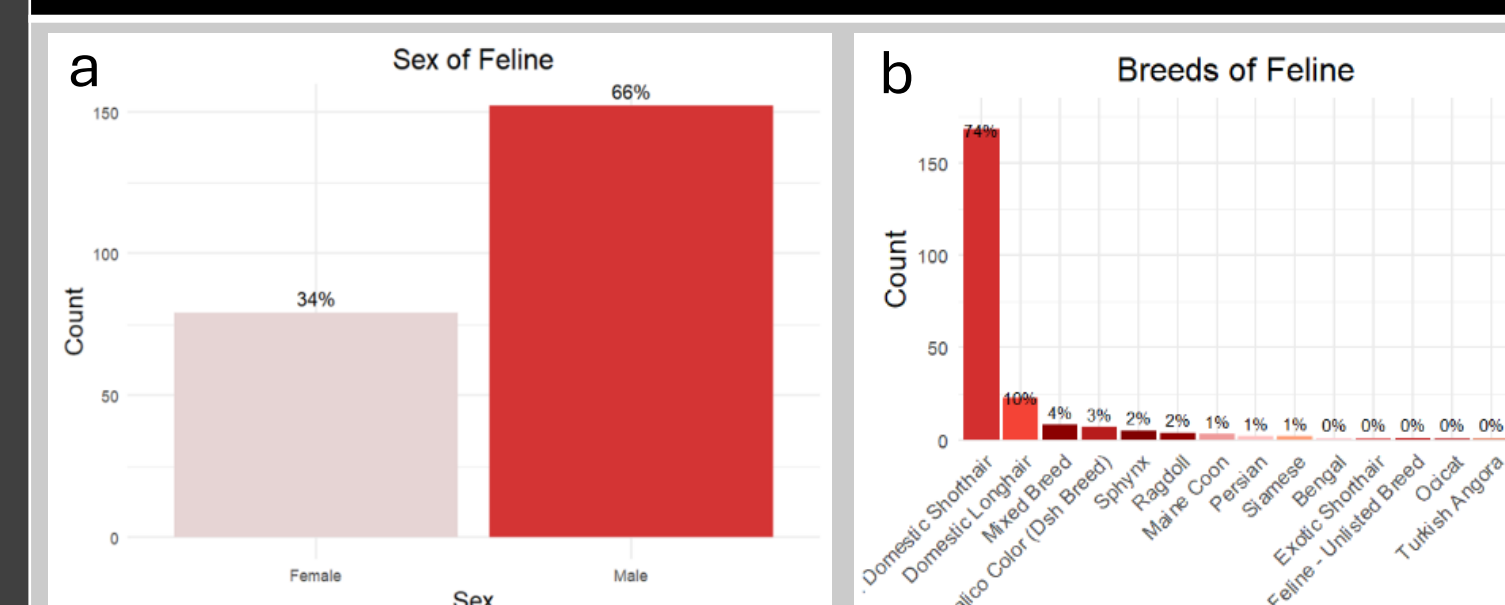


Figure 3: (a) Displays sex of patients. (b) Displays breed of patients.

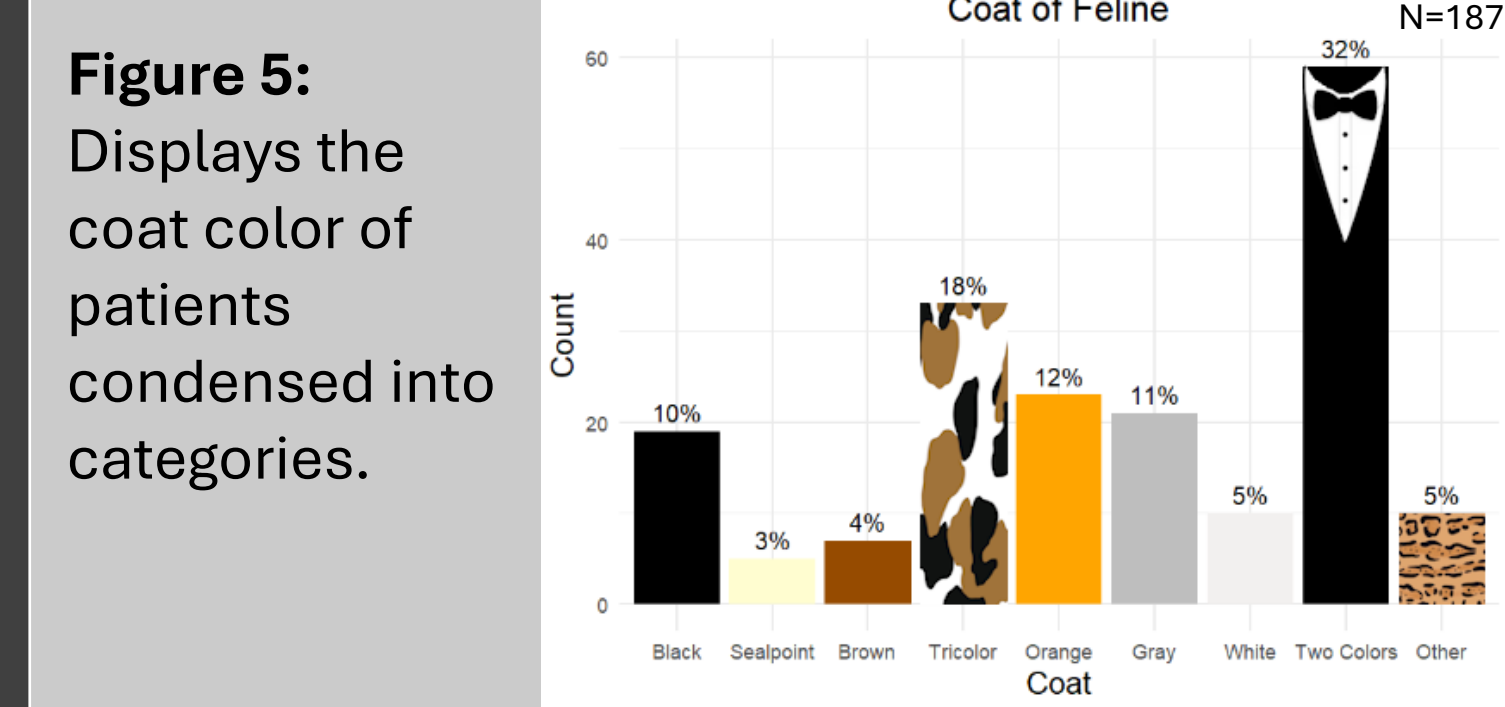
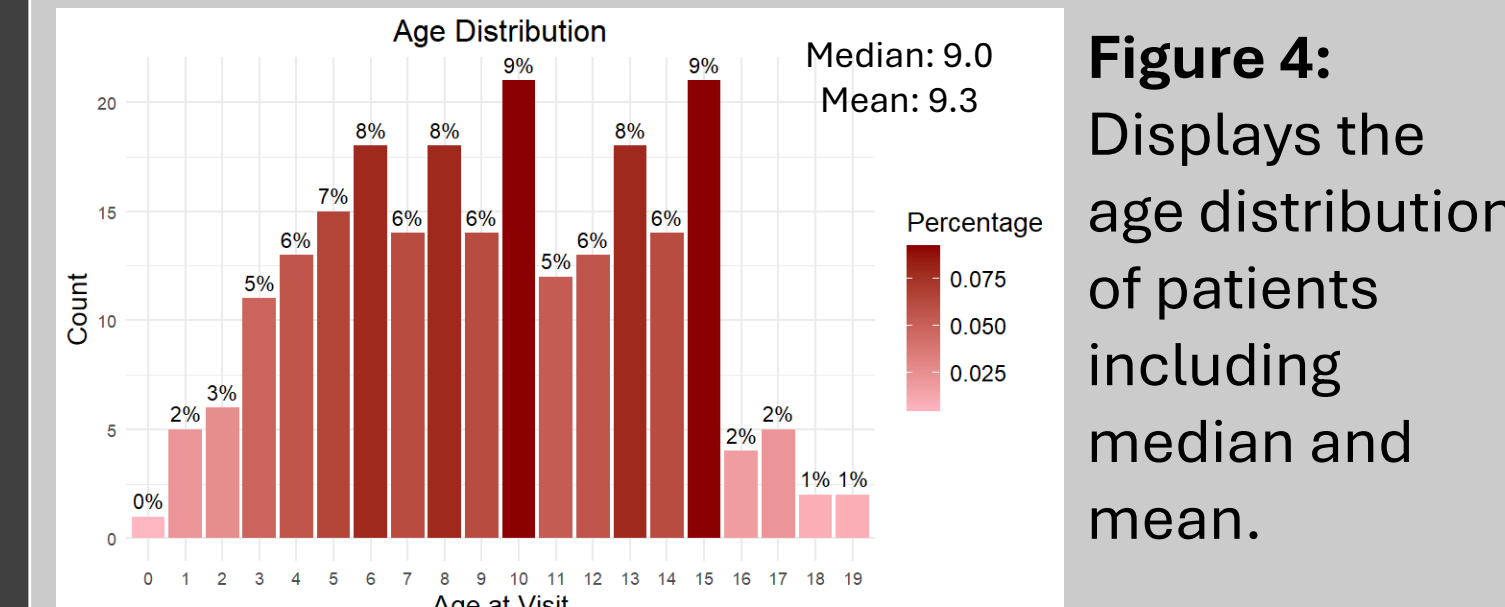


Figure 5: Displays the coat color of patients condensed into categories.

Outcomes

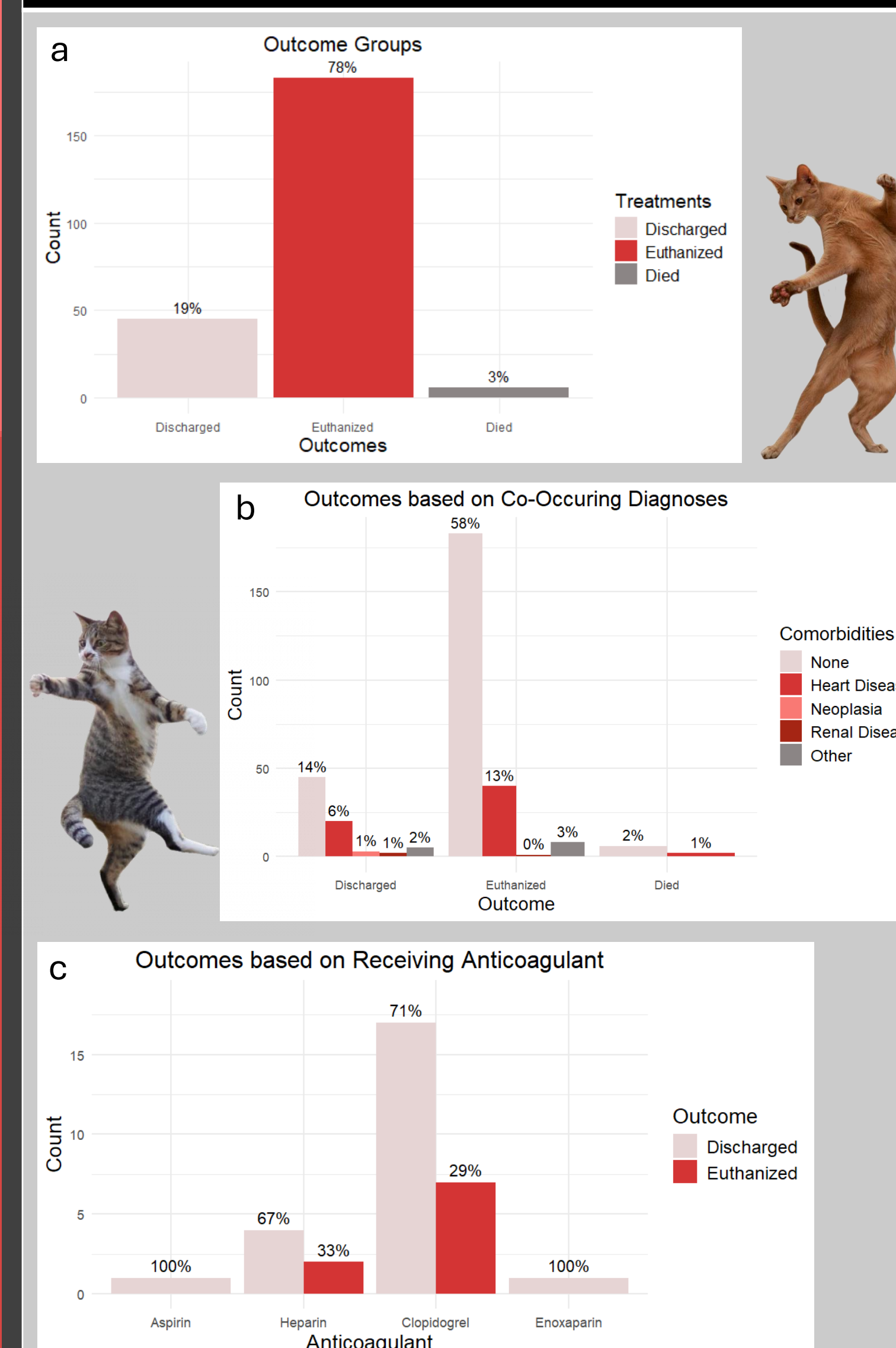


Figure 6: Graphs displaying the outcome of patients. (a) Displays the outcomes of patients. (b) Displays comorbidities sorted by diagnoses entered by attending clinician. (c) Displays the outcomes for individual anticoagulants.

Treatments

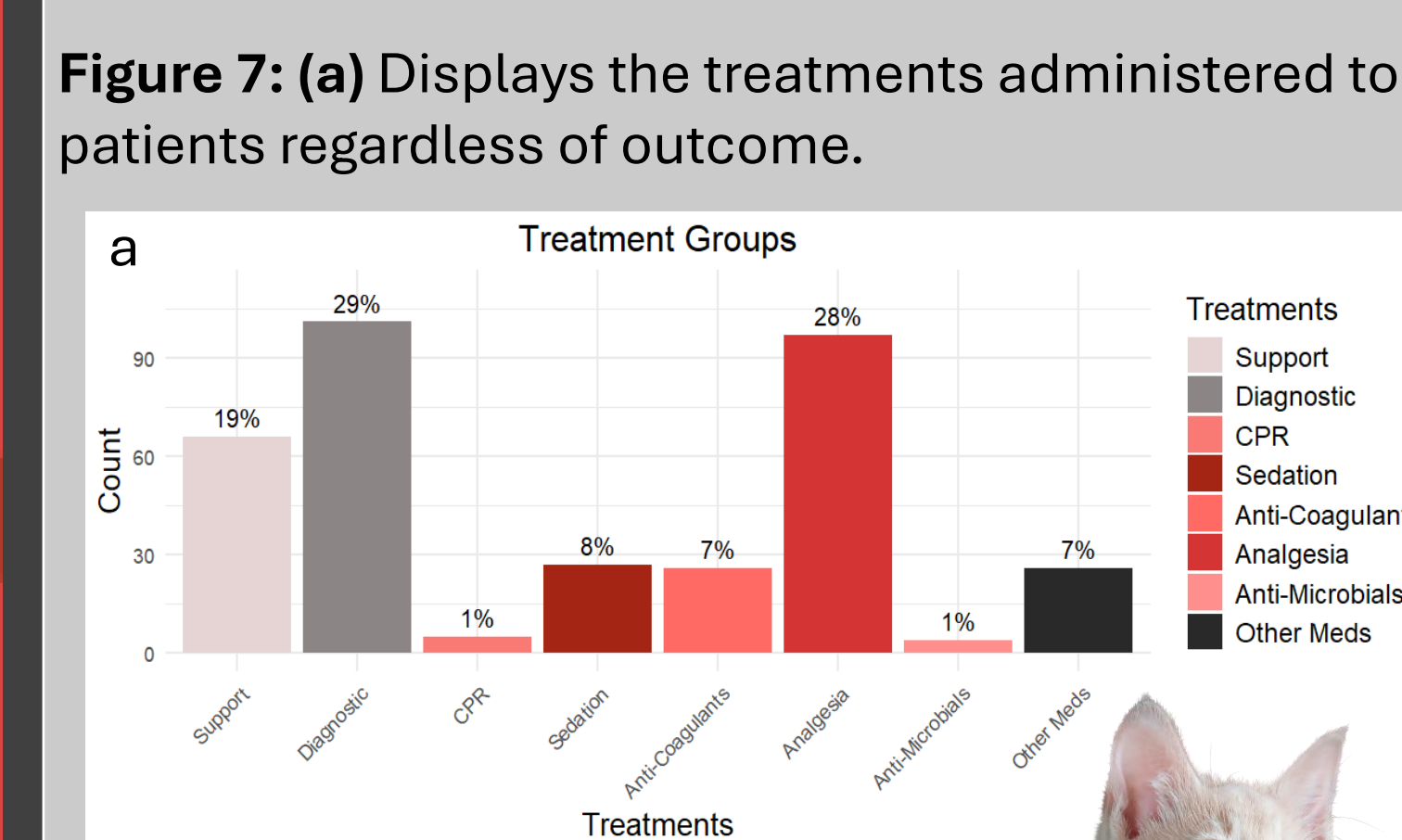
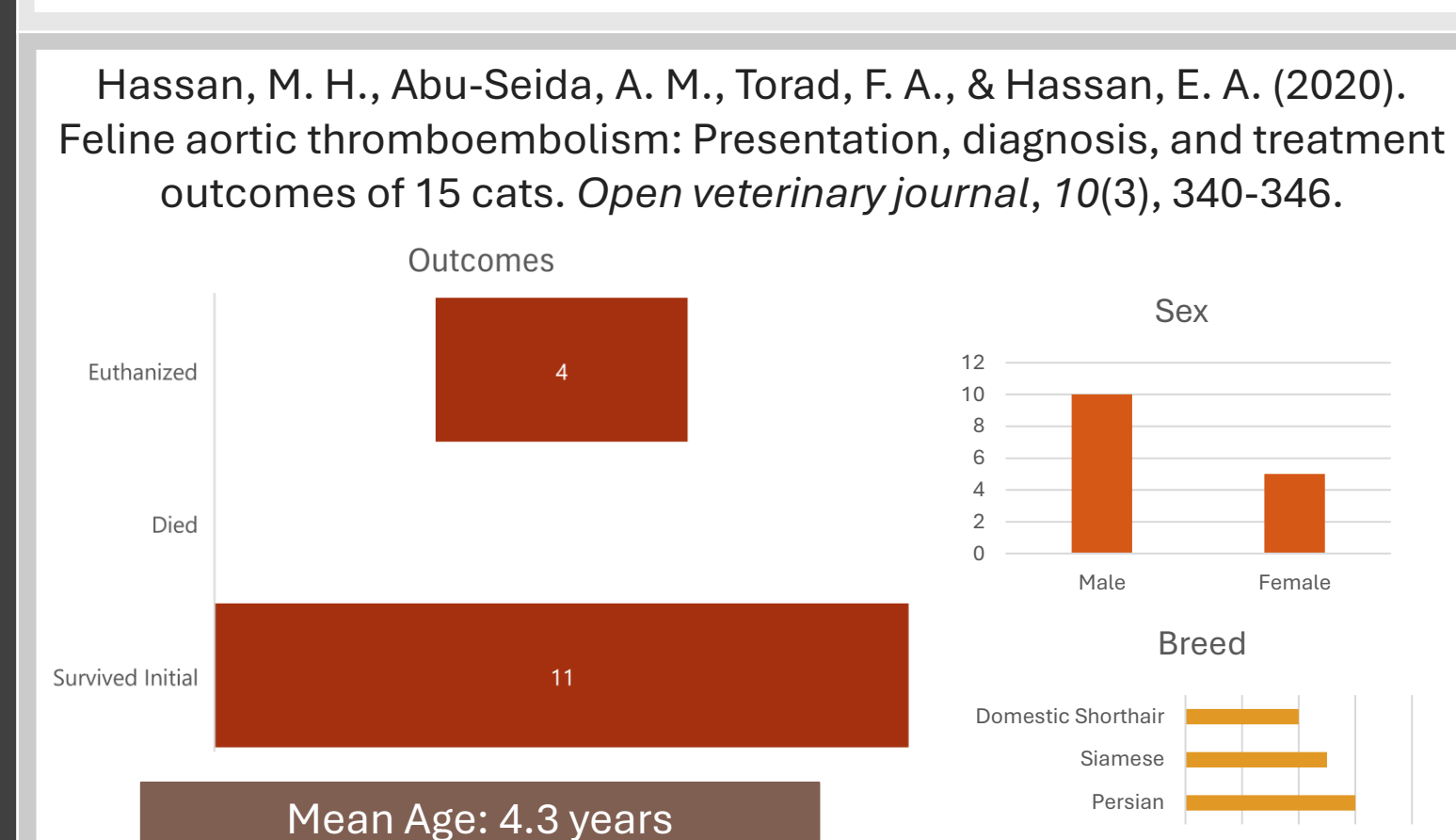
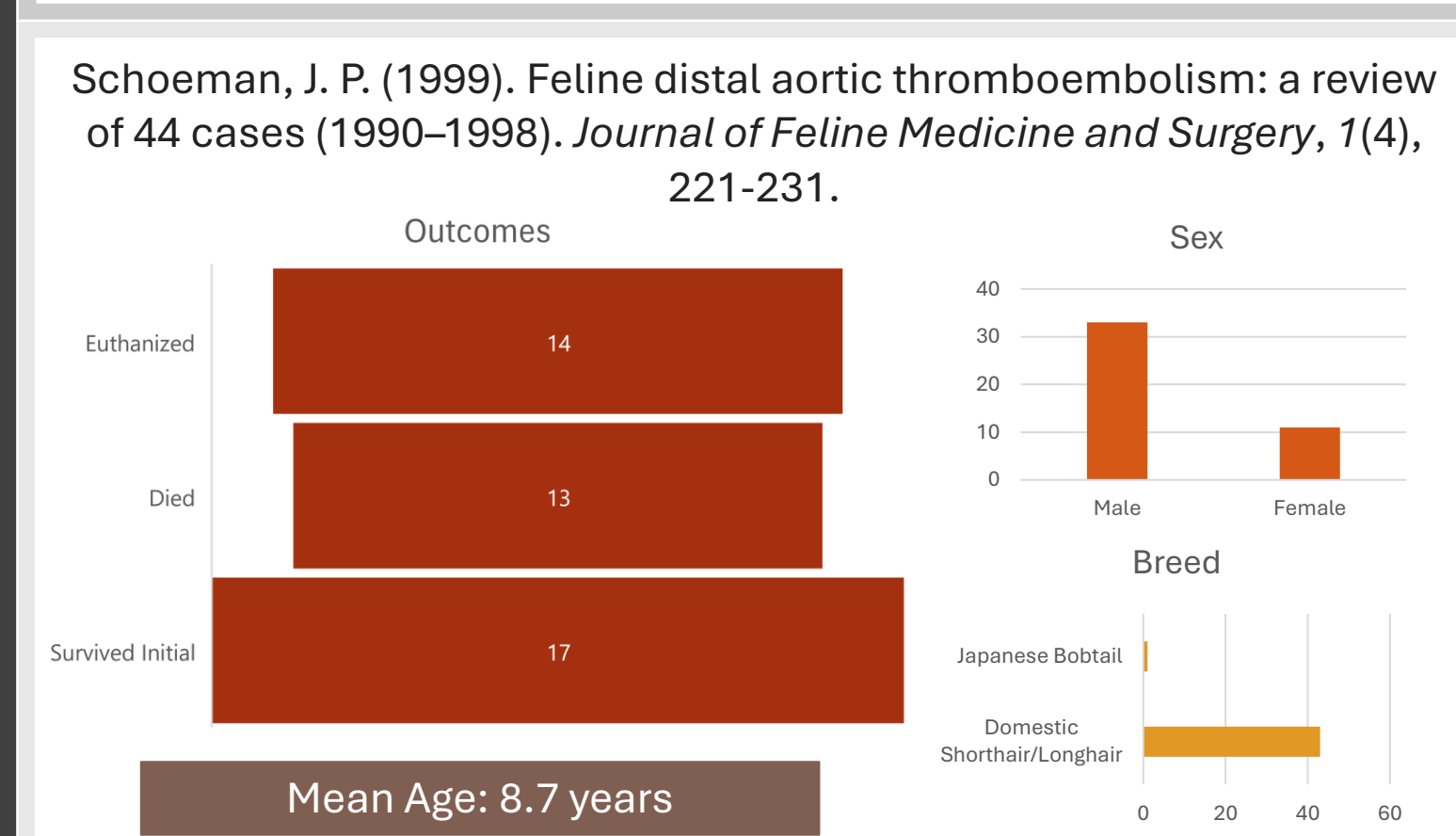
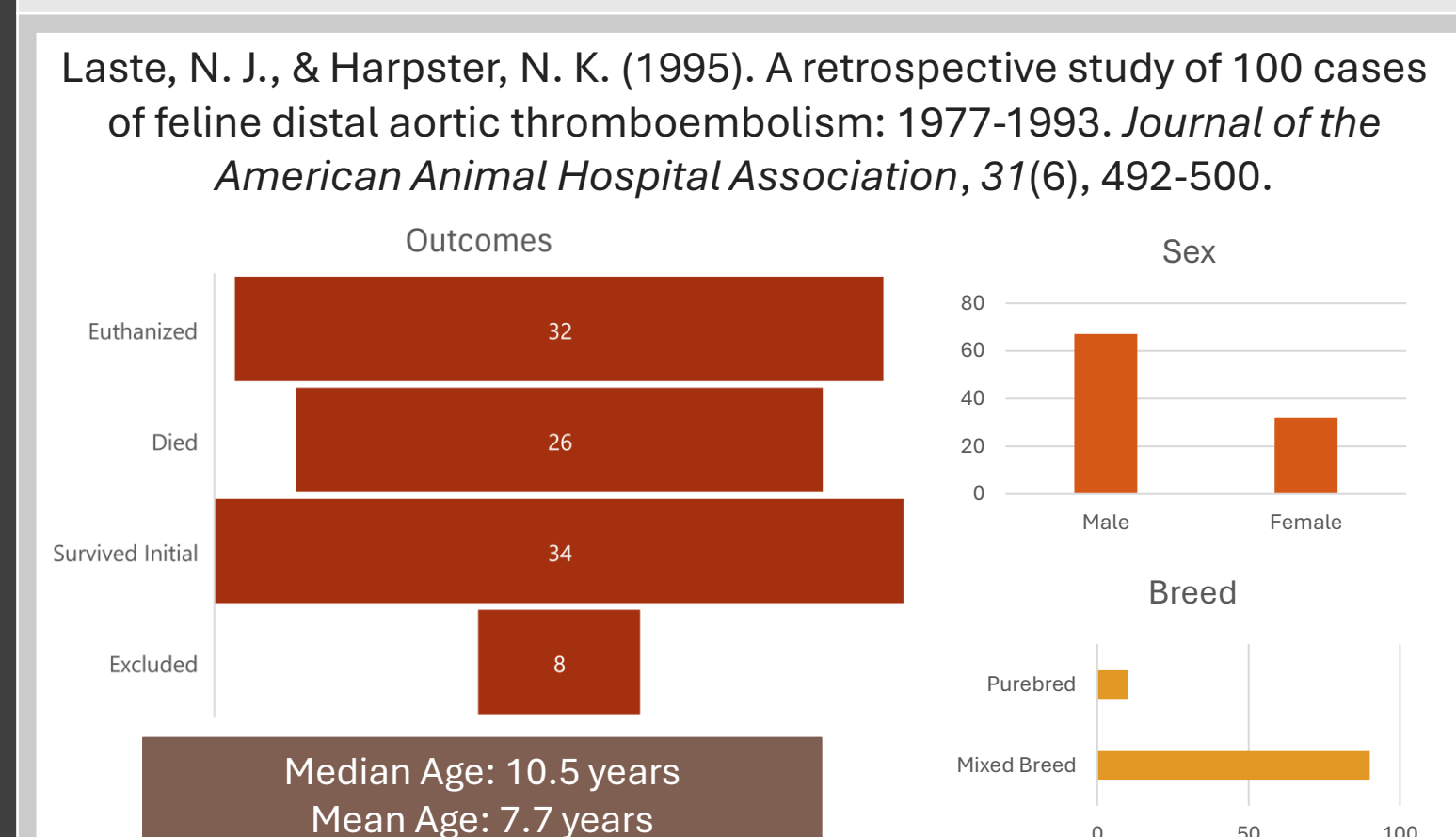
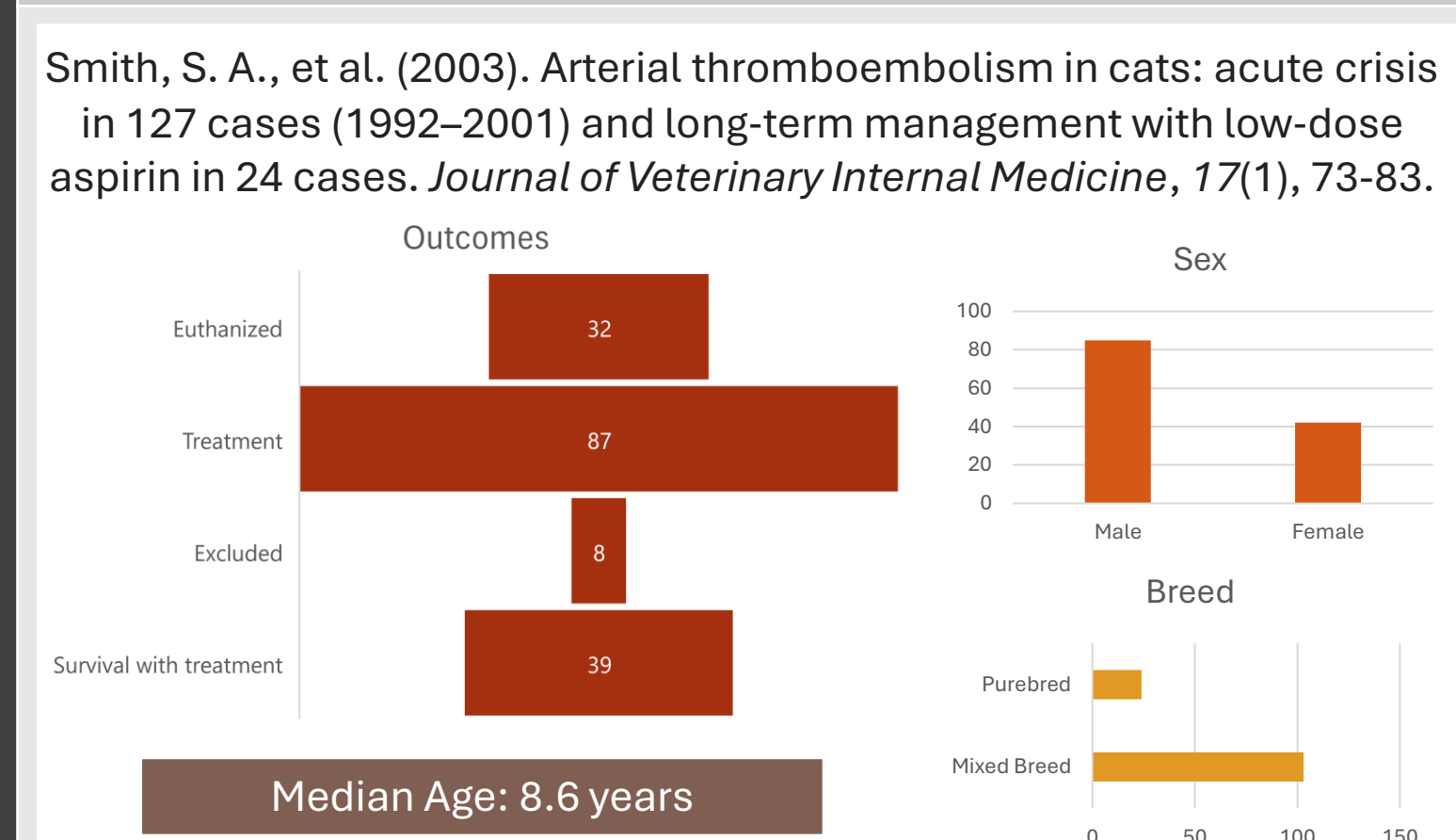
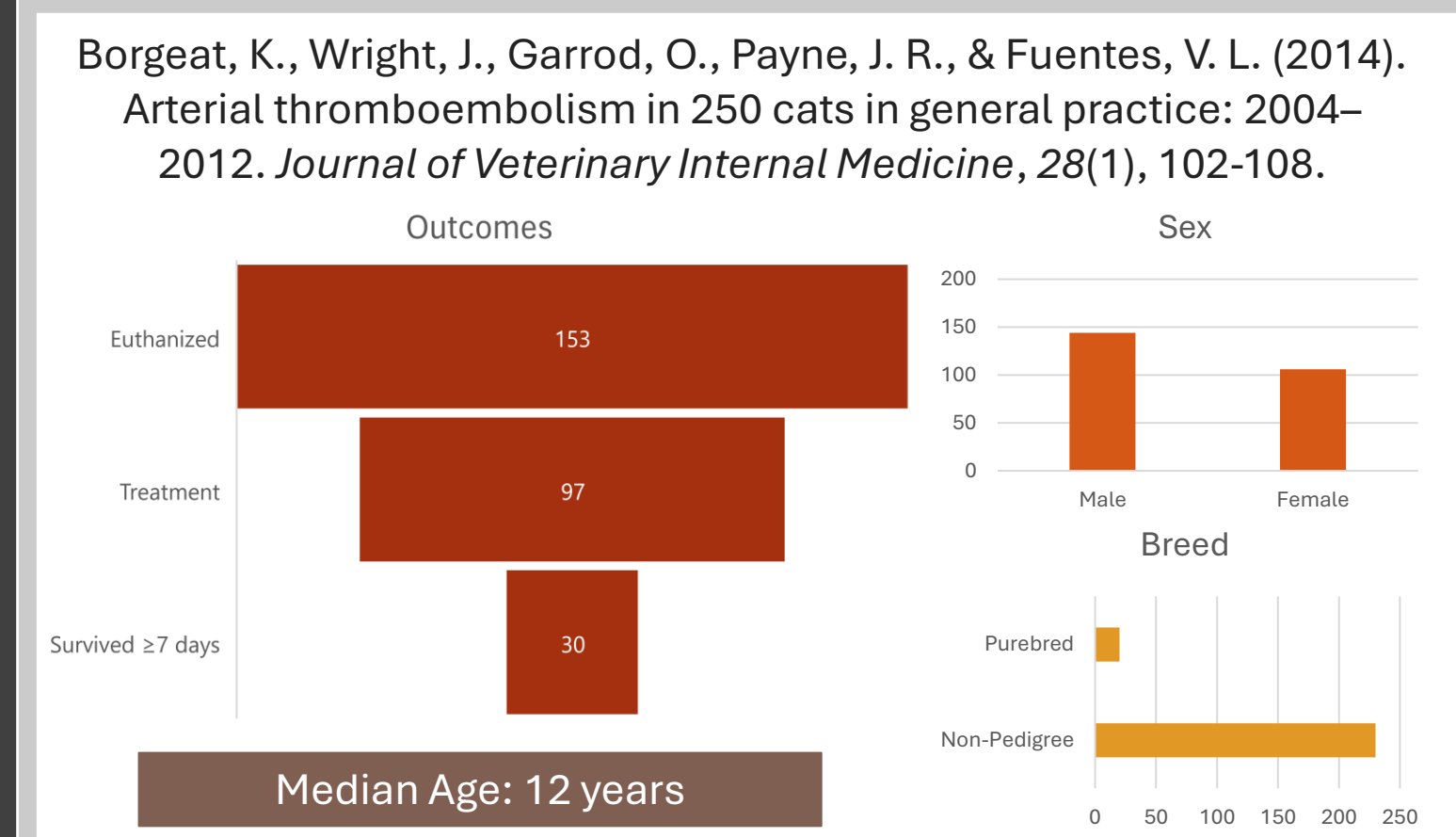


Figure 7: (a) Displays the treatments administered to patients regardless of outcome.

Comparison



Future Direction

- Investigate the effectiveness of treatments used in other studies including Acepromazine, Cerebrolysin, and Cyproheptadine.
- To continue research into FATE to develop a robust treatment protocol.

Acknowledgements

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Scan the QR code for full data and references



Scan the QR code for student contact info

