

To describe an intravascular fibrin sheath associated with a hemodialysis catheter in a dog” Langston and Eatroff (2018).

Abstract:

OBJECTIVE: To describe an intravascular fibrin sheath associated with a hemodialysis catheter in a dog.

CASE SUMMARY: A 4-year-old dog presented for hemodialysis to treat acute kidney injury. Hemodialysis catheter dysfunction during the course of treatment was temporarily alleviated using a tissue plasminogen activator. A thrombus composed of fibrin and granulation tissue creating a sheath around the catheter and focally adherent to the vessel wall was identified on postmortem evaluation.

NEW OR UNIQUE INFORMATION PROVIDED: Fibrin sheath formation is a commonly recognized problem of central venous catheters used for hemodialysis in people and is likely a common problem in veterinary patients undergoing dialysis as well. This report provides a description of the clinical features of the catheter dysfunction, response to treatment, postmortem radiographic and direct imaging, and histology of the fibrin sheath, and also provides a brief review of potential management techniques that have been described in people.

Reference:

Langston, C.E. and Eatroff, A.E. (2018) Hemodialysis catheter-associated fibrin sheath in a dog. *Journal of Veterinary Emergency and Critical Care*. May 15th. .

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