PERITONEAL DIALYSIS IN DOGS AND CATS

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SUMMARY

Renal diseases represent one of the more frequent affections mostly in aged animals. Even, if we talk about acute or chronic renal suffering in this time the excretion renal function must be replaced.

Peritoneal dialysis represent an easier, cheaper and relative safe way to excrete the toxic metabolism products. Peritoneal dialysis principle is represented by osmosis principle which means the capacity of small molecules to pass through semipermeable membranes until the concentration become equal on the each side of these membrane.

Scope. Testing the efficiency of a non-commercial peritoneal dialysis solution, compound of one part Ringer’s solution and ¼ parts 20 % dextrose.

Patients. 6 cats and dog with different sex, age and breed which have had a kidney disease.

Results. As follow as peritoneal dialysis used we obtained:

- Decrease of blood urea nitrogen with 14.8 % / dialysis cycle;
- Decrease of serum creatinine with 7.2 % / dialysis cycle.

Conclusion Peritoneal dialysis represent an easy, facil and safe way to excrete the toxic metabolism products until the excretion renal function will be recovered.