WHAT PREVENTATIVE MEASURES SHOULD I TAKE UNTIL I RECEIVE QUANTITATIVE MINERAL ANALYSIS RESULTS?

Urolith formation is a process that typically takes several weeks (e.g., infection induced struvite), to months (e.g., calcium oxalate) rather than days. The most common "cause" of rapid recurrence of uroliths is incomplete removal at the time of surgery.

Until quantitative mineral analysis on the urolith is completed, we recommend the following steps:

- Perform post-operative radiography on patients with multiple urocystoliths. Double contrast cystography may be necessary if the urocystoliths were not easily observed on pre-operative survey films.

- If small stones are detected on post-operative films, they may be able to be removed non-surgically either by catheter retrieval or voiding urohydropropulsion after healing takes place.

- Feed a diet unlikely to enhance urolith formation. We typically feed a diet that avoids mineral excess and promotes a neutral urine pH. We often feed a diet designed for mild to moderate renal insufficiency. If possible, feed a canned diet to reduce urine concentration. Once urolith results are received, refer to accompanying recommendation sheets.

- Obtain cystocentesis urine samples to monitor for, and prevent secondary urinary tract infections.

REFERENCES:

Additional information may be found at our website [www.cvm.umn.edu/depts/MinnesotaUrolithCenter](http://www.cvm.umn.edu/depts/MinnesotaUrolithCenter)