

Minnesota Urolith Center * UNIVERSITY OF MINNESOTA

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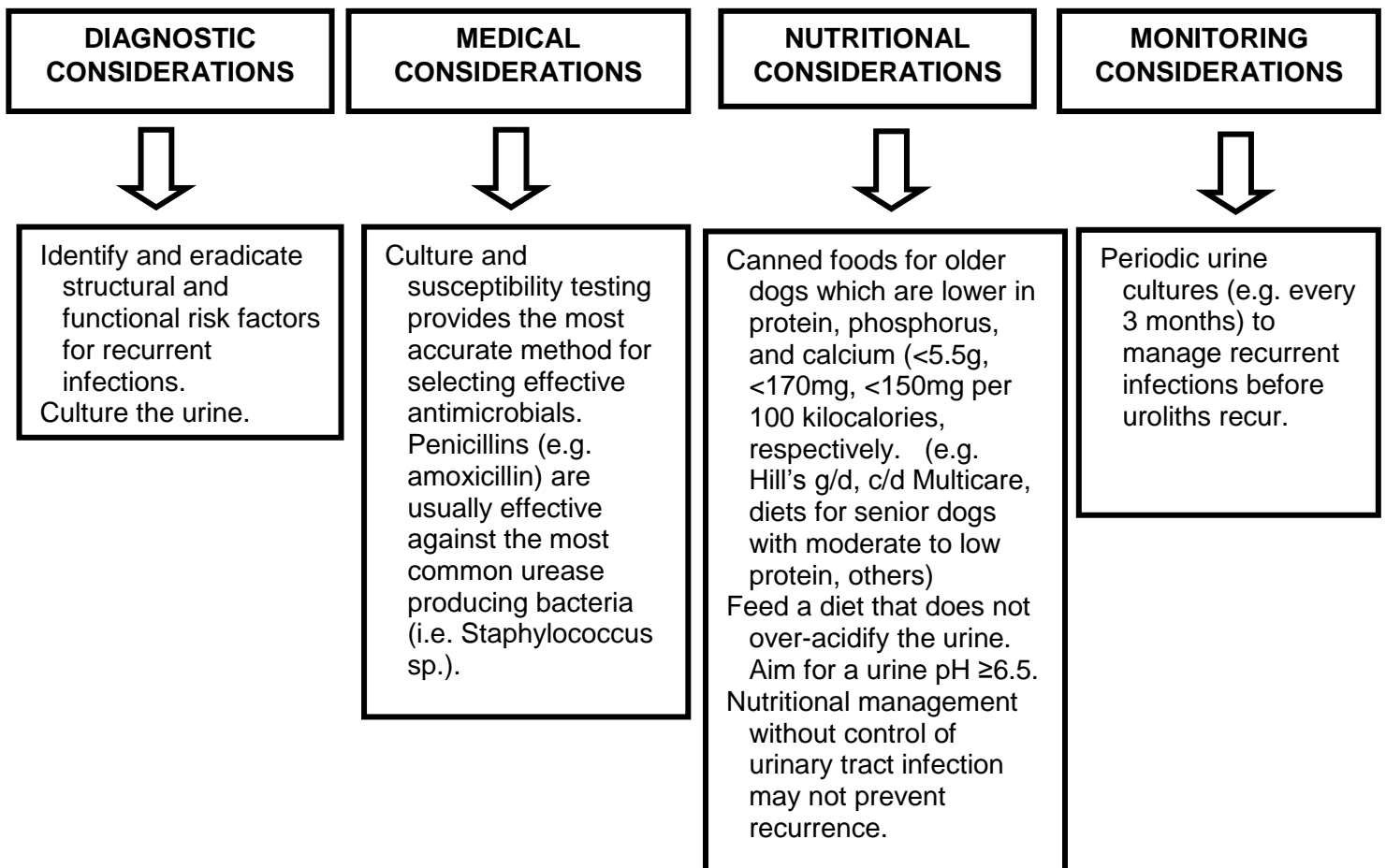
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CANINE STRUVITE AND CALCIUM PHOSPHATE CARBONATE UROLITHS

Both struvite and calcium phosphate carbonate form as a consequence of urinary tract infection with bacteria that produce the enzyme urease. Uroliths recur when urinary tract infections are inadequately prevented.

This urolith commonly forms in breeds that are also at risk for calcium oxalate (Shih Tzu, Bichon, miniature Schnauzer, etc.). We hypothesize that increased calcium excretion in combination with urinary tract infection are important risk factors for this compound stone. Therefore, prevention therapy should not increase the risk for calcium oxalate (i.e. do not overly acidify urine).

PREVENTION



** Review manufacturer's therapeutic food literature to determine indications/contraindications. For pets with multiple health concerns, consult a veterinary nutritionist to select an optimal food.

In depth recommendations and references are available on our website: urolithcenter.org under the resources tab.