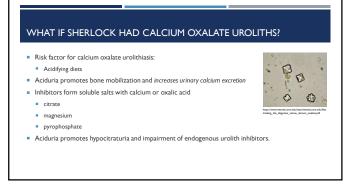
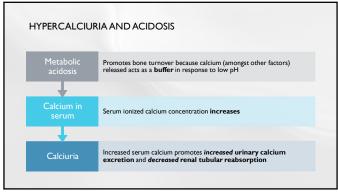




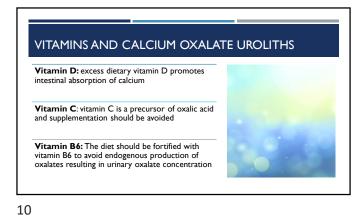
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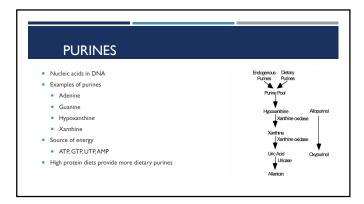




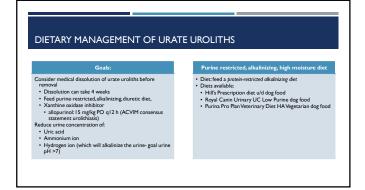


WHAT IF SHERLOCK HAD URATE UROLITHS? most common form of naturally occurring purine uroliths in dogs and cats the monobasic ammonium salt of uric acid Underlying disease Inherited alteration of the urate transporter encoded by the SLC2A9 gene

11 12

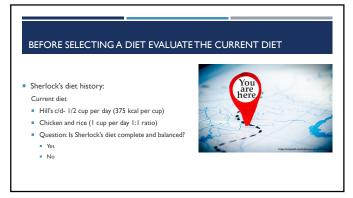








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Calculate kcal per day

Calculate kcal per day

Assess risk for malnutrition

Assess current diet for nutrients of concern

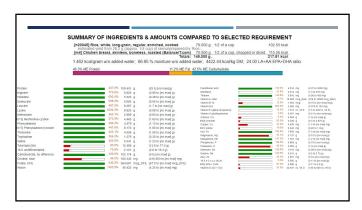
Determine caloric distribution

Determine g/1000 kcal or g/100 kcal

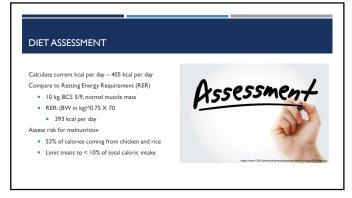
Use product guides when available

17 18





19 20



DIET ASSESSMENT

Nutrients of concern:

"Uroliths

Magnesium, phosphorus, protein, calcium, acidifiers

"Pancreatitis

Fat

Two ways to evaluate nutrients in a diet

"Caloric distribution-% of metabolizable energy

Determine g/1000 kcal or g/100 kcal

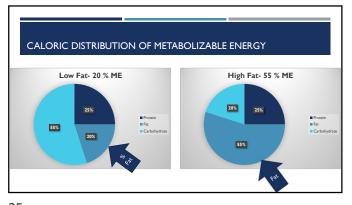
Use product guides when available

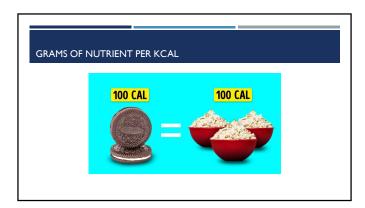
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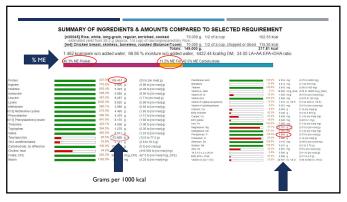


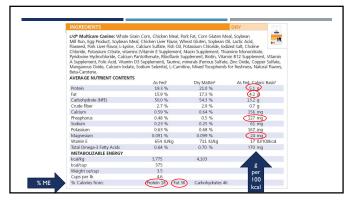


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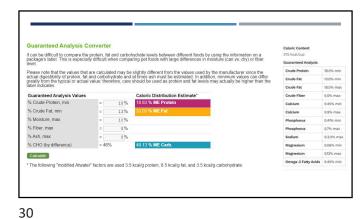


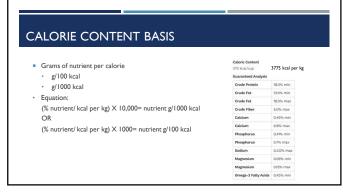


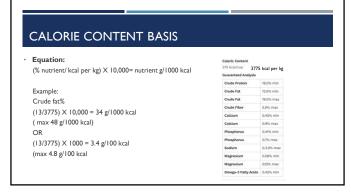


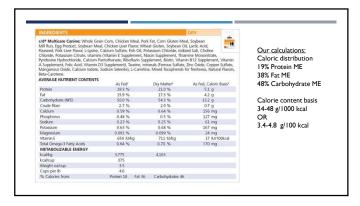
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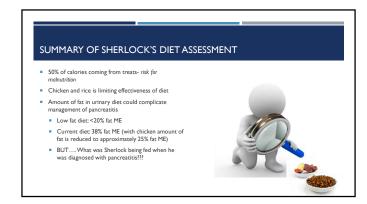


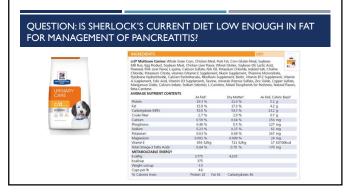


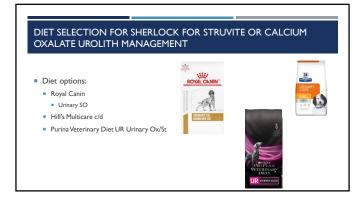




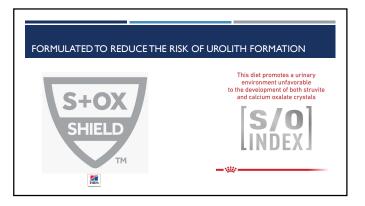


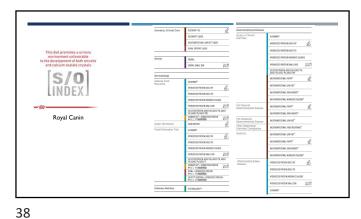






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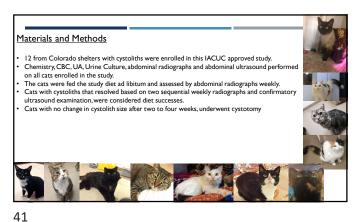








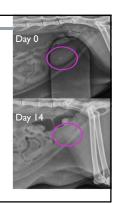
39 40





RESULTS- DIET SUCCESS (N=5)

- Resolution by week two in 4 cats
- Resolution by week one in I cat
- On Day 0:
- Mean urine specific gravity was 1.051 (range 1.048-
- All five cats had a urine pH of 6
- Moderate amorphous crystaluria was present in two cats





43 44





