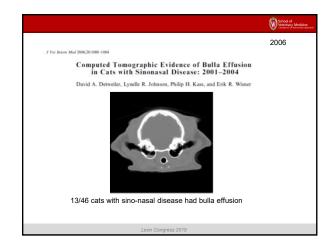


<u>2</u>
Data mining the clues



Prevalence of clinical abnormalities in cats found to have nonneoplastic middle ear disease at necropsy: 59 cases (1991–2007)

Michael D. Schlicksup, row, Thomas J. Van Wildk, van, pacy; David E. Holt, row, pacy; JAWNA, Vol 235, No. 7, October 1, 2009

3442 cats underwent necropsy
59 (1.7%) had non-neoplastic middle ear disease
• Fluid, purulent, or caseous material was present in all affected bullae
• ONLY 3/59 had reported clinical signs of middle ear disease
• 6 cats had reported vestibular disease
• 7 Post mortem finding 11 of 59 had signs of respiratory disease

PREVALENCE OF CLINICAL AND SUBCLINICAL MIDDLE EAR DISEASE IN CATS UNDERGOING COMPUTED TOMOGRAPHIC SCANS OF THE HEAD

MIREAM SHANNAMAN, GABRIELA SELER, DAVID E. HOLT

310 cats had CT images of the head

101 cats had evidence of middle ear disease on CT

• 41 cats did not have presenting complaint-found during neurological workup

• 34 did not have primary ear complaint of ear related disease

• 27/34 had concurrent nasal disease

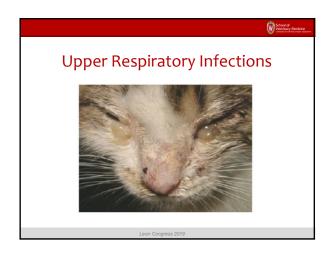
• 27/34 had concurrent nasal disease

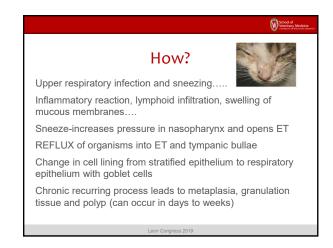
• Lesions were chronic in nature

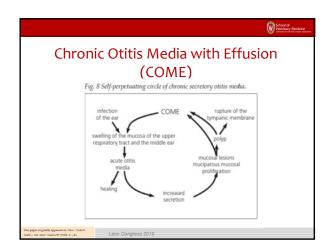
• 26 had primary complaint of middle ear disease

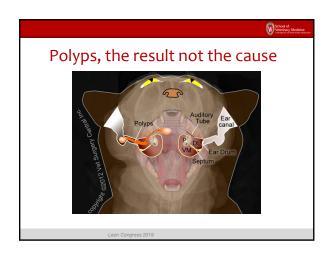


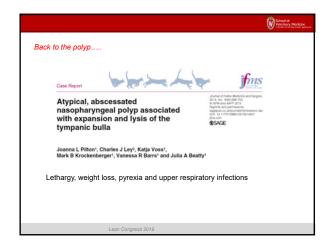


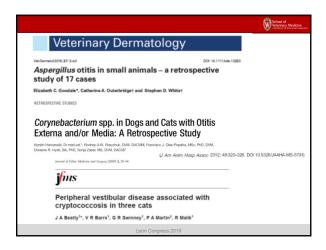


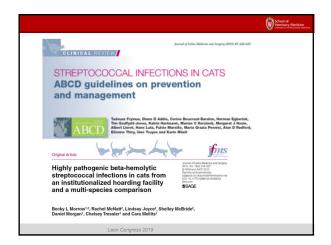


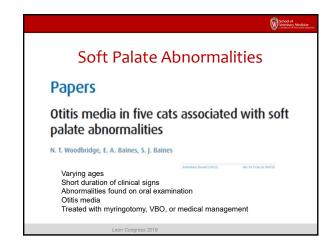


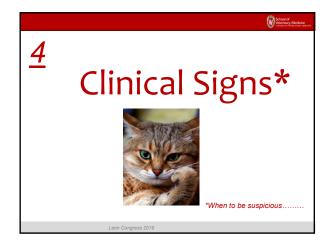


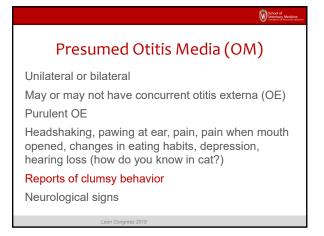






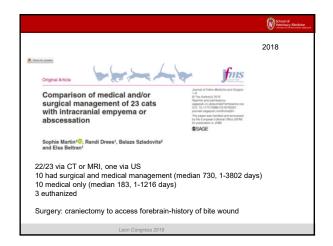


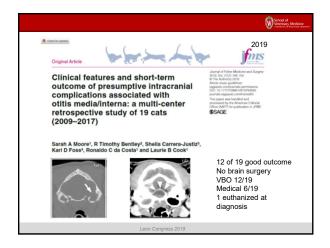
















Ear Swab Cytology

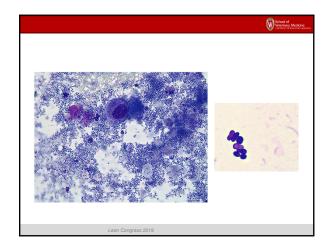
Core diagnostic test

Malassezia is common-significance depends upon presence or absence of disease

Indication for culture and susceptibility

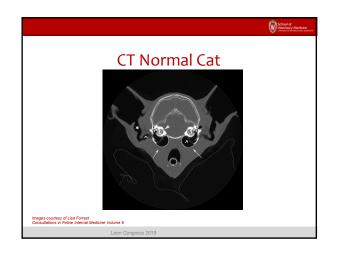
- Septic inflammation-highly supportive of OM
- Rods

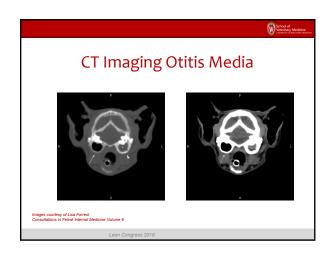
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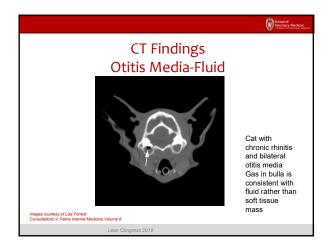


Ear Culture* Indicated if there is septic inflammation Don't waste money on c/s from vertical canal if a c/s from tympanic bulla is planned Spurious results will occur if ear has been cleaned or medicated-don't forget to ask... Use reference laboratory that will do c/s on multiple strains/isolates

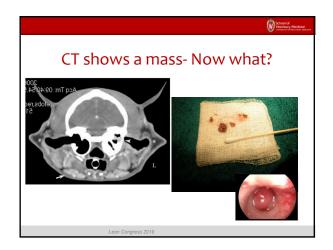


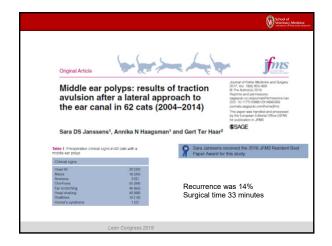


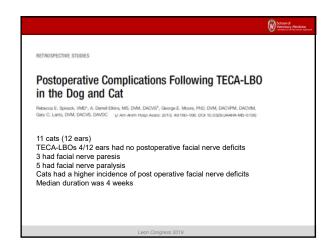








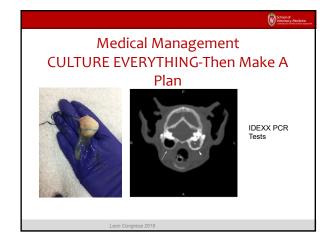


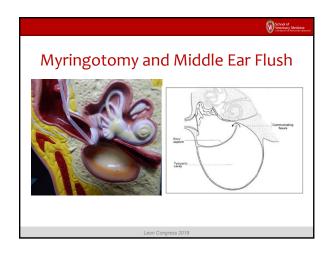




















Major Take Home Points

• URI and/or sinusitis in cats predisposes them to OM

• Increasingly polyps are recognized as the result of prior URI and/or OM

• OE may not be present in many cats with OM

• Untreated OM can lead to brain infection

• Medical management needs to address sinusitis and OM

• Medical and surgical treatment may be needed in some cats

