

PetsLivingLonger.com



Pet Wellness
CENTER

Keith A Hnilica DVM, MS, MBA
Diplomate ACVD

Bigdog@itchnot.com
(865) 405-4203



Goals

- Provide a real life perspective
- Discuss problems
- Discuss an efficient plan
- Review feline otitis


Unique Considerations

- Feline Otitis
 - Easy vs extremely frustrating
- Waxy material is normal
- Tumors are common

- Very Very EASY to make things WORSE!

Step 1

A Pattern Approach



2° Infections

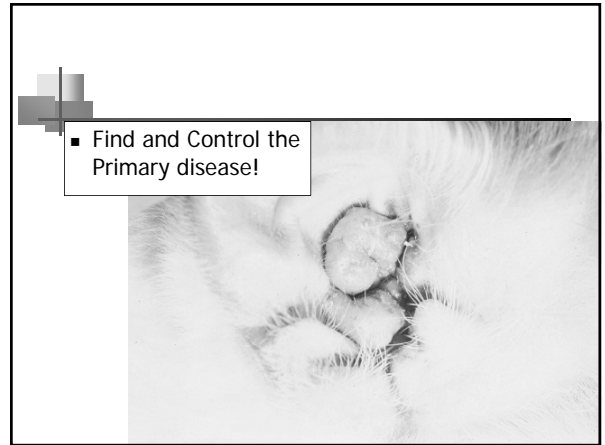
- Pyoderma
- Demodex
- Dermatophyte
- Yeast Dermatitis
- Otitis
- Pododermatitis

Allergies

- Atopy
- Food
- Scabies

Endocrine

- Hypothyroid
- Cushing's



Step 2

The 3 Slide Technique

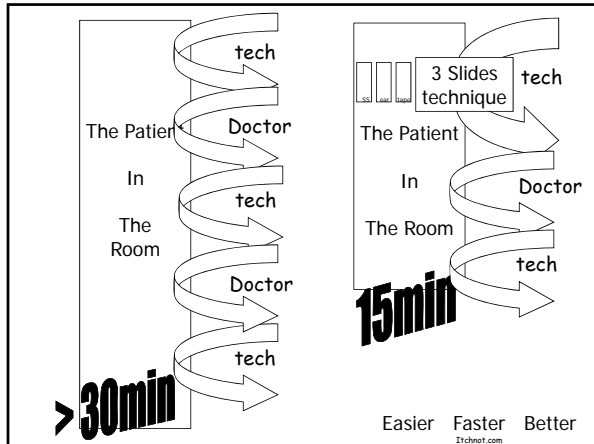
- Every dermatology patient
- One fee \$45
- Techs can

SS

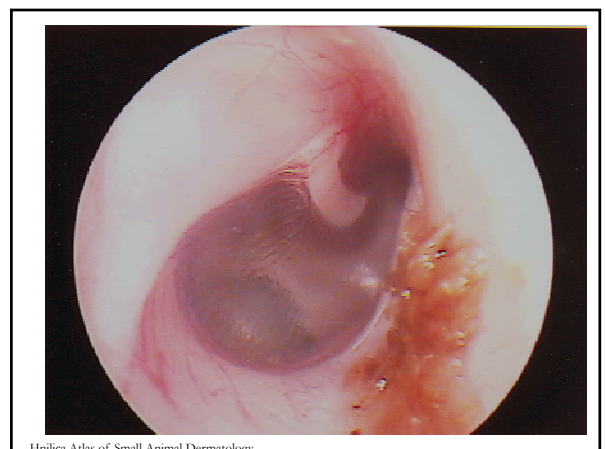
ears

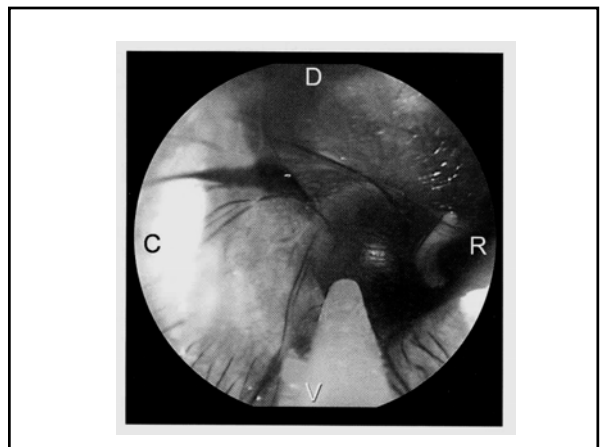
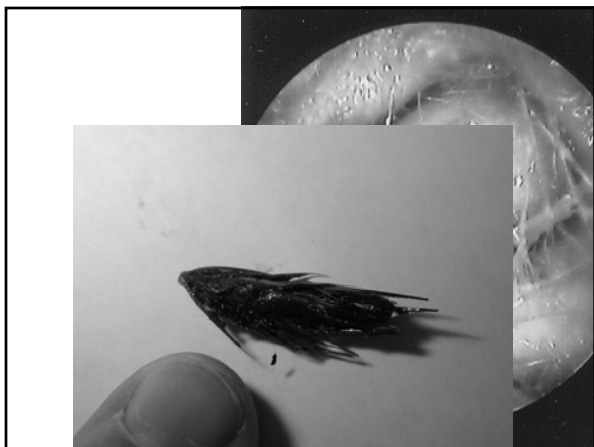
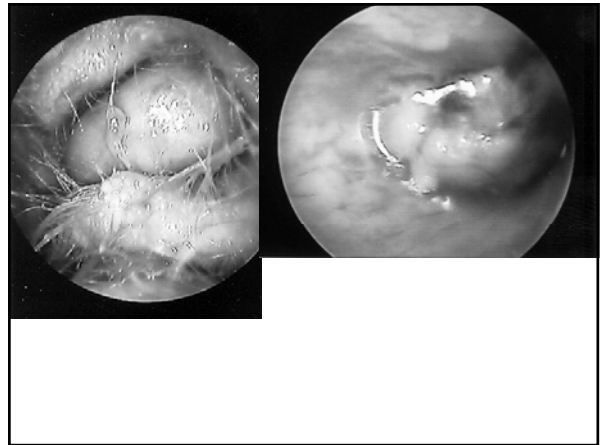
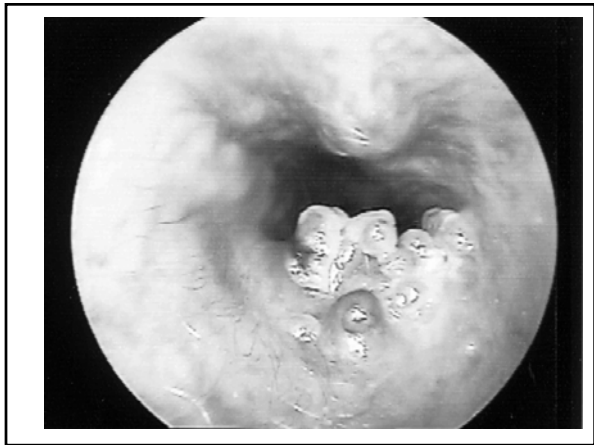
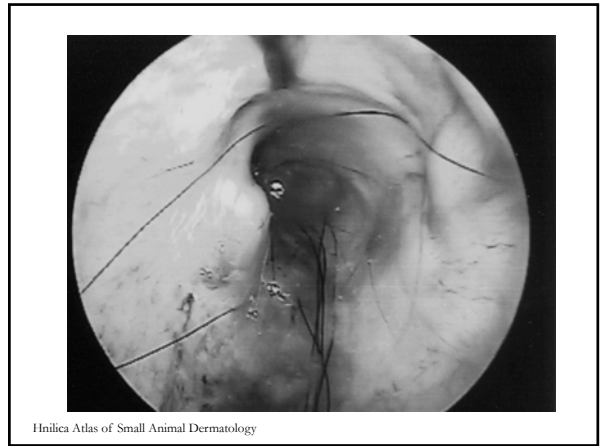
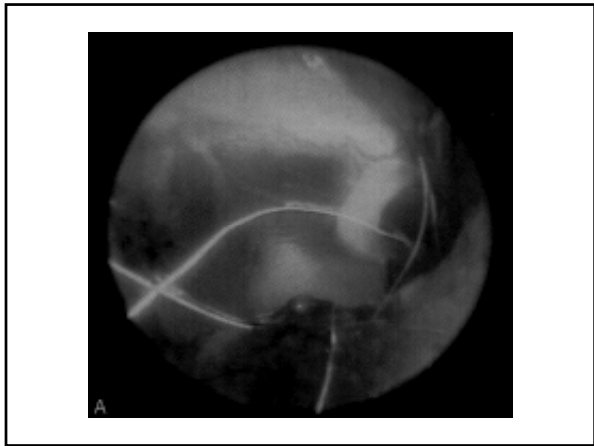
cocci/yeast

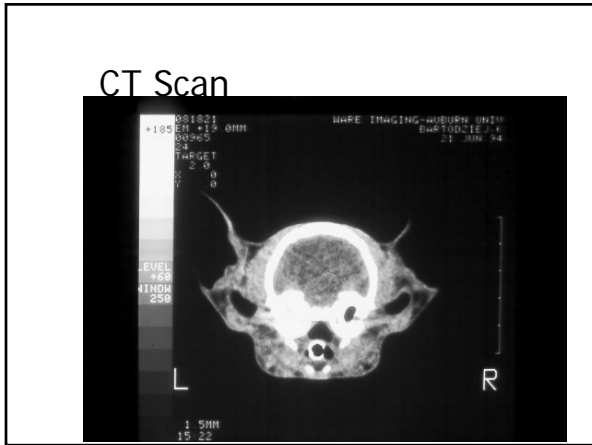
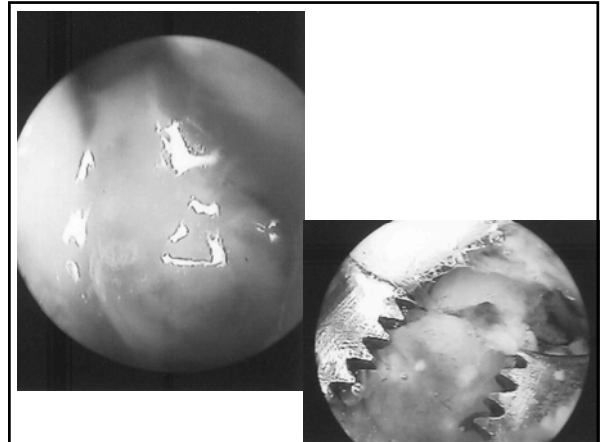
Hnilica itchnot.com



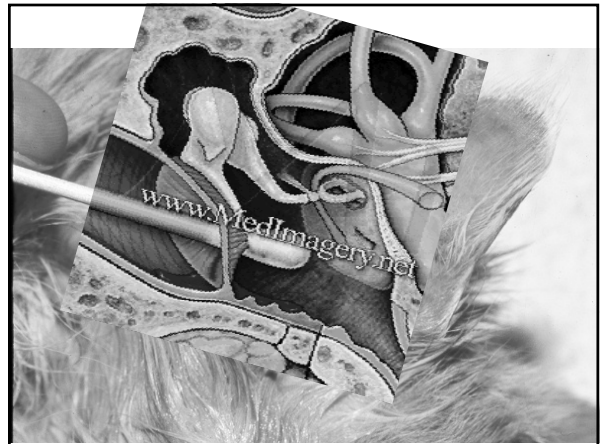
Step 3








Step 4



Otitis

Everything good in life is messy
....





Management of Specific Disorders

- Ear Mites
- Malassezia otitis
- Bacterial otitis
- Pseudomonas otitis
- Allergic otitis
- Otitis media

Pseudomonas

- Antibiotics
 - Based on culture
 - Gentamicin, amikacin
 - Enrofloxacin
 - Polymixin
 - Ticarcillin

Why is it there?



Malassezia Otitis

- Treatment
 - topical
 - antifungals
 - multi-pharmacy w/ steroid
 - chlorhexidene containing washes
 - acetic acid
 - systemic
 - itraconazole
 - ketoconazole



Otitis Treatment

4 steps : 6 products

1. Control the primary disease
3. Use high volume
2. Use high antibiotic concentration
4. Don't just stop but PREVENT!

1. Vet Solutions – swimmers
2. Epiotic Advanced
3. Mometomax
4. T8 Solution with Baytril
5. 1% Baytril
6. Steroids

www.itchnot.com

Hnilica itchnot.com

Necessary Ear Meds

Pick only 1 product for each spot

Antibacterial
Anti-yeast
w/ steroid

Mometomax

Pseudomonas Tx
Tris EDTA 4oz
w/ LA Baytril 12oz

T8 Keto Solution

Ear Miticide

Acarexx
Milbemite

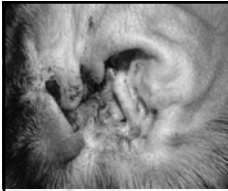
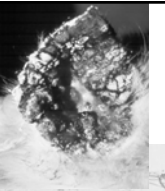
Alcohol flush
for swimmers

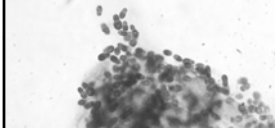
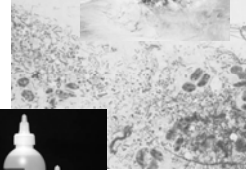
Vet Solutions


EpiOtic
Advanced

Hnilica itchnot.com

Recurrent Otitis

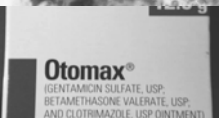





T8 solution with
Baytril

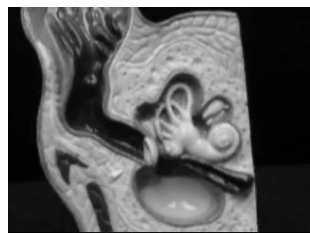
10mg/ml fill
the canal bid

Hnilica itchnot.com



Otomax®
(GENTAMICIN SULFATE, USP,
BETAMETHASONE VALERATE, USP,
AND CLOTRIMAZOLE, USP OINTMENT)

Dropper Bottles are Essential

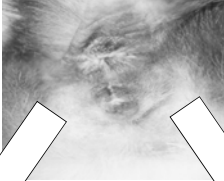


Hnilica itchnot.com



Step 5

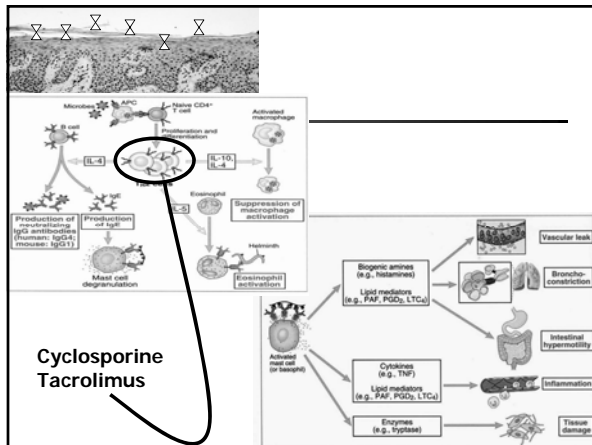
FLAMING ANUS



STRICT

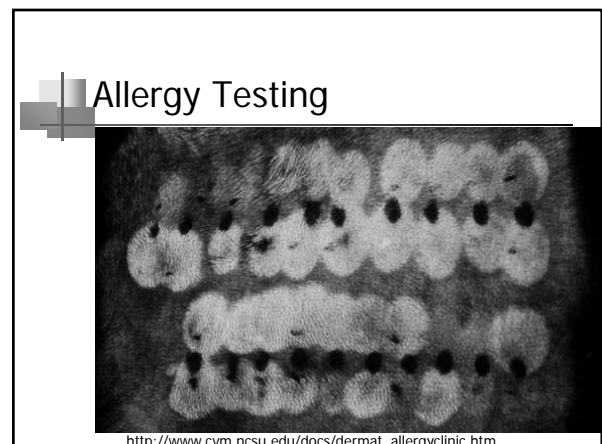
Change to another OTC

Atopica



- Atopica in Cats
- Currently off Label
 - 5-10mg/kg
 - Useful for many diseases
 - Fewer side effects
 - +/- faster response

- Atopica in Cats
- Toxo risk
 - "Super absorbers"
 - Titters not useful – negative more risky
 - Keep inside to limited exposure
 - Felv/FIV negative
 - Other infections
 - Safer than steroids



Perseverance

To go on resolutely despite difficulties.

"Salsa"

"Salsa"

- 3 month old, M, Domestic short hair
- "rescued" from Wal-Mart
- 1 month history of progressive otitis
 - Resistant to topical therapies
- Concurrent upper respiratory tract infection

"Salsa"

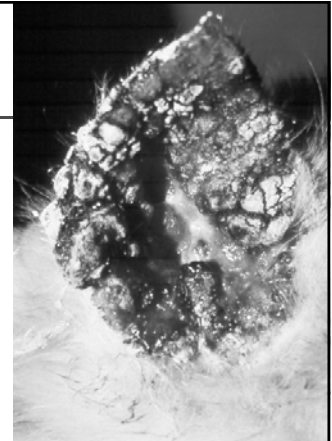


"Salsa"

Otitis started with a black "coffee grounds" exudate

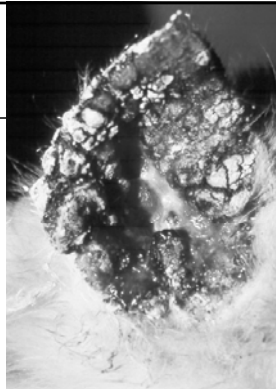
Owner treated with "Every" topical ear medication known to veterinary medicine

Owner finally resorted to packing the ears with "medicinal clay"

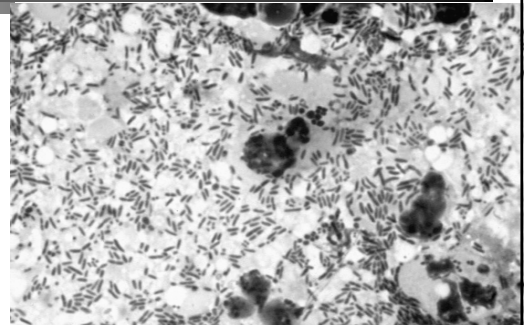


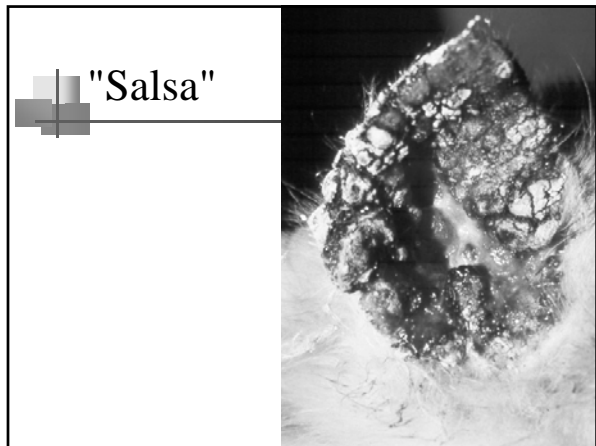
"Salsa"

- Diagnostics
 - Cytology
 - Otoscopy
 - Culture
 - Deep otic lavage
 - Therapeutic trials
- Radiology
 - Bulla x-ray
 - CT




"Salsa"





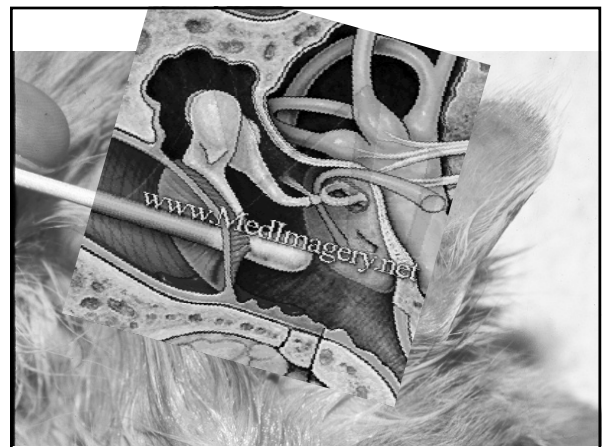
"Salsa"

- Cytology – BAAAD = mixed bacteria
- Culture – mixed
- Otic lavage



Everything good in life is messy

Ear Cleaning



"Salsa"

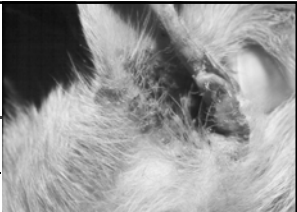
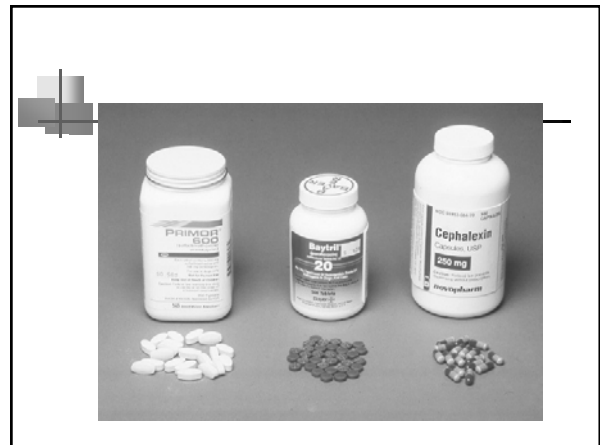
- **Treatments**
 - Clean ears every other day
 - Based on Cultures
 - Oral antibiotics
 - Topical antibiotics



"Salsa"

Typical Therapeutic plan

- **Cleaning**
 - Flush ear every other day
 - Flush ear every 3-7 days
- **Topical Antimicrobial**
 - Otomax bid for 15-30 days
 - Otomax after each cleaning

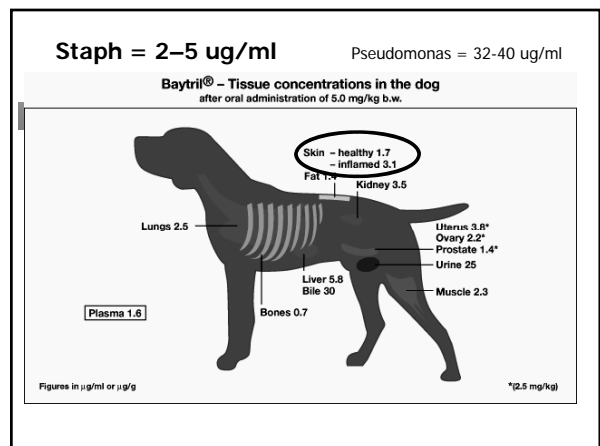



Staph = 2-5 ug/ml Pseudomonas = 32-40 ug/ml

MIC values for Baytril against isolates from clinical dog and cat patients (ug/ml)¹

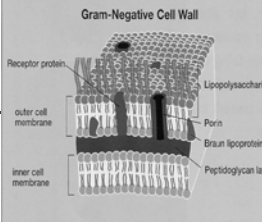
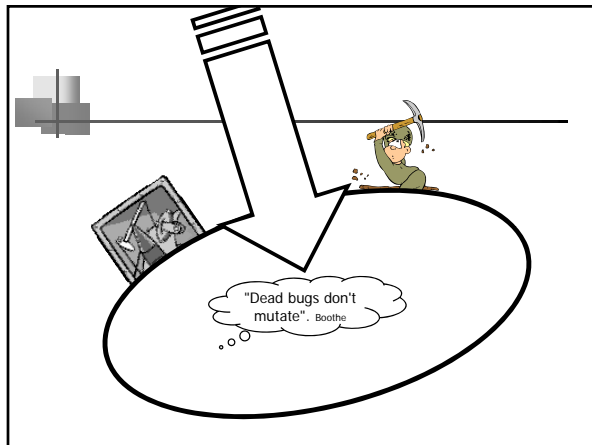
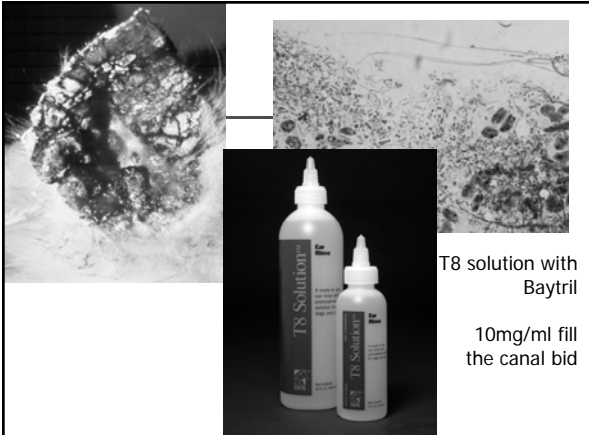
Organism	No. of isolates	MIC ₅₀	MIC ₉₀	Mode ²
Staph. intermedius	119	0.12	0.50	0.12
Staphylococcus spp.	120	0.12	0.25	0.12
E.coli	138	0.25	0.06	0.03
Pasteurella spp.	16	0.15	0.03	0.015
Klebsiella pneumoniae	2	0.5	0.12	0.06
Bordetella spp.	25	0.50	0.50	0.5
Proteus spp.	88	0.12	0.25	0.12
Pseudomonas aeruginosa ³	51	1.00	4.0	1.00
Enterococcus spp.	40	1.00	2.0	1.00
E.coli	76	0.25	0.5	0.25

8-10X



Pseudomonas

- **Tris EDTA**
 - Chelates ions
 - Perforates cell wall/coat
 - Allows antibiotic to penetrate
 - Lowers mic levels
- **Otic Cleaners**
 - Lower mic levels

T8 solution with Baytril
10mg/ml fill the canal bid

"Salsa"



Excellent response
- to a point

"Salsa"

Otitis in cats

Primary

- Otodectes
- polyps
- neoplasia

Food allergy

Secondary infections

- bacteria
- yeast





"Salsa"

- Find and Control the Primary disease!

"Salsa"

- The infections are secondary
 - Culture and Sensitivity
 - Aggressive topicals
 - Otomax
 - Baytril, Ticarcillin, polymyxin
 - Antimicrobial flushes
 - Hexadene or chlorhexidine
 - T8 solution with Baytril
 - Maintenance therapy
 - Surgery – TECS only

"Salsa"

- Learning issue
 - Find and control the underlying cause!
 - After 6 months of chronic therapy
 - Food trial – owner initiated
 - Complete resolution

"Salsa"

A Pattern Approach

2° Infections

- Pyoderma
- Demodex
- Dermatophyte
- Yeast Dermatitis
- Otitis
- Pododermatitis

Allergies

- Atopy
- Food
- Scabies

Endocrine

- Hypothyroid
- Cushing's

PetsLivingLonger.com



Pet Wellness
CENTER

Keith A Hnilica DVM, MS, MBA
Diplomate ACVD

Bigdog@itchnot.com
(865) 405-4203

