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Diplomate ACVD

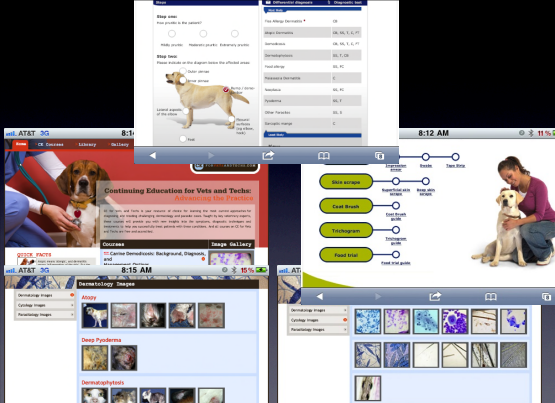


Pet Wellness
PetsLivingLonger.com




The Novartis Dermatology System

- Achievable Goals
 - 15 minute appointments
 - Better owner understanding
 - better compliance
 - more patience for treatment
- Increased Revenue
 - Procedures, Compliance, Treatments



2 ACUTE RECOGNITION

3 TREAT THE ACUTE FLARES

Case	Recommended Treatment
Bacterial Problems	
Yeast Infections	
OTitis	
Flea Infestation	
Scabies Treatment	
Severe "Color" Changes	
Trauma (Shave Burns, etc.)	

TREATMENT, CONTROL, AND PREVENTION OF FUTURE FLARES

Case	Recommended Treatment
Immunosuppression	
Allergy	
Thyroid Supplementation and	

AVOIDING THE "TRIGGERS"

Case	Treatment	Recommended Treatment
Excessive Heat	Regular baths with an antiseptic/antifungal. Wipe off affected areas (shave, etc.) as often as possible.	
OTitis	Headed for Treatment/Prevention	
Flea and Insectal Parasites	Regular course of Prevention	
Food Triggers	Eliminated diet	
House Dust Mites	Dehumidify, replace dry bags, and change the bedding frequently	

PROMOTE SKIN HEALTH AND RESTORE BARRIER FUNCTION

Case	Recommended Treatment
Bacterial Infections	
Acidobacterium	
Scabies, Lice and Conditions	

RECHECK APPOINTMENT:

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Oral Steroids Depo or Vetalog Dex NaPhos
1cc (4mg) per 10-20 lbs BW

Steroid Therapy

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Acute Flares

- Bacteria
- Yeast
- Fleas
- Scabies
- the allergy

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DERMATOLOGY WORK-UP

SEX: _____ PET'S NAME: _____
 AGE: _____

1. WHAT ARE THE INFECTIONS?

Perform 3 Skin "Bacteria" swabs (using the physical exam on multiple sites below).
 Site 1: Skin (over the ear) _____
 Site 2: Skin (over the chest) _____
 Site 3: Skin (over the abdomen) _____

Staph
 Str. pneumoniae
 Strep
 Microsporidiosis
 M. dermatitis
 Demodex
 Microsporum

2. COMMON ALLERGIC SIGNS

A. LUMBAR DERMATITIS
 Flea Allergy (skin related pattern)
 1. Caudal 1/3 of body
 2. Itchy (often identifying site of flea bite)
 3. Multiple animals treated for fleas affected
 4. Variable response to steroids
 5. Fall and Spring are often worse (but can be year round)

B. EAR SCRATCH TEST
 Suspect: 1.2 and highly related
 1. Positive dorsal axilla vs. vs 80% diagnostic
 2. Ear margins, distal legs, ventral abdomen, ventrum
 3. Variable response to steroids
 4. Can't avoid by response to treatment
 5. Skin biopsies in other flange negative

C. PERIANAL DERMATITIS
 Flea Allergy (skin related pattern)
 1.5 increase probability
 1. Perianal dermatitis
 2. 10 symptoms more than 10 months, diarrhea, vomiting, itching
 3. Less than 1 year or older than 1 year of age
 4. Labradors and German Shepherds may be predisposed
 5. Variable response to steroids

Hypothyroidism: can mimic allergic dermatitis
 1. Biochemical detection may assist diagnosis
 2. Lethargy, weight gain, dry coat, hypercholesterolemia
 3. Biopsy with other infections are ruled out

D. FOOT LICKING
 Allergic Dermatitis
 10-15 are highly related
 1. Sprayed
 2. Itchiest foot affected
 3. Inner ear primer erythema
 4. Lives indoors
 5. Bulging and swollen feet margin dermatitis and flea allergy
 6. Similar dermatitis
 7. Seasonal symptoms progressing to year round

CAPSTAR
 (nitenpyram)
 THE ONLY ONE IN ITS CLASS

Photo: HUNTER/AGRIUM

The Life Cycle

1. Egg
 2. Larva
 3. Pupa
 4. Adult
 5. Egg
 6. Larva
 7. Pupa
 8. Adult

Flea Prevention Lufenuron
 Pyriproxyfen

Tick Control fipronil

Whip prevention milbemycin

Imidacloprid - anecdotal resistance
 Selamectin (dog) - poor flea/tick
 Spinosad - vomiting/seizures
 Dinotefuran - washes off
 Permethrin - neurotoxin

Sentinel lufenuron	Parastar fipronil (every 2 weeks)	\$25
Sentinel lufenuron	Parastar Plus fipronil + low dose permethrin	\$25
Sentinel lufenuron	Preventic amitraz collar	\$20
Interceptor	Vectra3D pyriproxyfen dinotefuran + permethrin	\$30
Interceptor	Comfortis + permethrin spinosid amitraz	\$30-40
Trifexis spinosid	permethrin amitraz	\$28-38

PetMeds

DERMATOLOGY WORK-UP

SEVERITY OF ITCHING: 1 2 3 4 5 6

PET'S NAME: _____

1. WHAT ARE THE INFESTATIONS? Perform 5-10 slide touch prep. During the physical exam on multiple sites/biases.

Fleas: Flea comb (neck, base of tail, etc) Positive/Negative
 Flea 2 (for shed) Positive/Negative
 Flea 3 (for high-magnification) Positive/Negative
 Ticks: Positive/Negative
 Mites: Positive/Negative
 O Demodicosis (if mites with DEM culture) O Demo Yes/No Abnormal/Normal
 O Yeast Dermatitis Yes/No Abnormal/Normal

2. COMMON ALLERGIC SIGNS

A. LUMBAR DERMATITIS
 flea Allergy (dog) (cat) (horse)

- Caused by **flea or ear dirt**
- Flare seasonally
- Multiple animals in household or humans affected
- Non-pruritic
- Fall and winter flares

B. EAR-SCRAATCH TEST
 Flea Allergy (dog) (cat) (horse)

Subtle D 2 and D 3 test

- Positive response to **flea** (dog) (cat) (horse)
- Ear margin dry, yellow, crusting
- Variable response to flea
- Ear smudge by **flea** (dog) (cat) (horse)
- Start Simple **flea** (dog) (cat) (horse)


C. PERIANAL DERMATITIS
 Flea Allergy (dog) (cat) (horse)

1. Perianal dermatitis
 2. Itchy
 3. Usually more than 5 spots of crust
 4. Labradors and German Shepherds
 5. Variable response to treatment

Hyperthyroidism: can mimic allergic dermatitis
 1. Recurrent infection may cause pustules
 2. Colic, weight gain, diarrhea, tachycardia
 3. Neurotic when infections are resolved

D. FOOT LICKING
 Atopic Dermatitis

1. Ear highly infected
 2. Started at 8 months - 3 years of age
 3. Front feet affected
 4. Lives indoors
 5. Rubs feet between toes margin dermatitis and flares along dorsal dermatitis
 6. Seasonal symptoms progressing to year round



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TREAT THE ACUTE FLARES:

Cause	Recommended Treatment
Bacterial Pyoderma	
Yeast Infections	
ODDs	
Fllea Infestation	
Scabies Treatment	
Steroid "Crisis" Therapy	
Topical Shark Skin Steroid	

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TREATMENT, CONTROL, AND PREVENTION OF FUTURE FLARES:

Cause	Recommended Treatment
Immunotherapy	
Allergy Vaccine	
Atopic? Cyclosporine	
Corticoids, OPR vaccines	
Thyroid Supplementation and	

AVOIDING THE TRIGGERS:

Cause	Treatment	Recommended Treatment
Bacteria	Regular bath with an antimicrobial	
Yeast	Thoroughly Wipe off affected areas (feet, face, etc) as often as possible	
Pollens	Routine Ear Treatment/cleaning	
ODDs	Routine Ear Treatment/cleaning	
Fllea and Intestinal Parasites	Year-round Prevention	
Food Triggers	Restricted diet	
House Dust Mites	Dehumidify, replace dog bed, and allergy spray (Bimyl/benazequat)	

PROMOTE SKIN HEALTH AND RESTORE BARRIER FUNCTION:

Cause	Recommended Treatment
Essential Fatty Acids	
Antihistamines	
Soothing, Leave on Conditioner	

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TREAT THE ACUTE FLARES:

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Bacterial Pyoderma	
Yeast Infections	
ODDs	
Fllea Infestation	
Scabies Treatment	
Steroid "Crisis" Therapy	
Topical Shark Skin Steroid	

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TREATMENT, CONTROL, AND PREVENTION OF FUTURE FLARES:

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Allergy Vaccine	
Atopic? Cyclosporine	
Corticoids, OPR vaccines	
Thyroid Supplementation and	

AVOIDING THE TRIGGERS:

Cause	Treatment	Recommended Treatment
Bacteria	Regular bath with an antimicrobial	
Yeast	Thoroughly Wipe off affected areas (feet, face, etc) as often as possible	
Pollens	Routine Ear Treatment/cleaning	
ODDs	Routine Ear Treatment/cleaning	
Fllea and Intestinal Parasites	Year-round Prevention	
Food Triggers	Restricted diet	
House Dust Mites	Dehumidify, replace dog bed, and allergy spray (Bimyl/benazequat)	

PROMOTE SKIN HEALTH AND RESTORE BARRIER FUNCTION:

Cause	Recommended Treatment
Essential Fatty Acids	
Antihistamines	
Soothing, Leave on Conditioner	

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Long-term Control

- Food Allergy
- Avoid Food Triggers
- Atopy
- Hypothyroidism

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2 COMMON ALLERGIC SIGNS*

A. LICKING/DERMATITIS
Flea Allergy: very specific pattern

- Curling of body
- Flea identifying nose or ear dirt
- Mucous membranes involved or humans affected
- Variable response to steroids
- Ear and anal sacs are often worse but can be year-round

B. EAR SCRATCH/TIT
Scabies: (in non-rodent animals)

- Position: inner pedal re. ex is 80% diagnostic
- Ear: distal legs, lateral elbow, ventrum
- Variable response to steroids
- Confirmed by response to treatment
- Can be falsely negative



C. PRURITUS/DERMATITIS
Food Allergy: (less common but 1/3 of cases)

- Flea infestations
- Glycemic issues, more than 1800 mg/dl
- Onset after 1 year or older than 5 years
- Labrador and German Shepherds may be predisposed
- Variable response to steroids

Hypothyroidism: (can mimic allergic dermatitis)

- Recurrent infection may cause pruritus
- Lethargy, weight gain, dry coat, hypotrichosis
- Nonpuritic when infections are resolved

D. FOOT LICKING
Atopic Dermatitis: (1-5 are highly reliable)

Started at:

- Inner ear/primary erythema
- Lives indoors
- Ruling out Scabies (ear margin dermatitis) and Flea allergy (bumbar dermatitis)
- Seasonal symptoms progressing to year-round

Atopy Atopy Atopy

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3 TREAT THE ACUTE FLARES:

Cause	Recommended Treatment
Bacterial Pyoderma	
Yeast Infections	
Otitis	
Flea Infestation	
Scabies Treatment	
Steroid "Crisis" Therapy	
Topical Short-Acting Steroid	

TREATMENT, CONTROL AND PREVENTION OF FUTURE FLARES:

Cause	Recommended Treatment
Atopy	Immunotherapy Allergy Vaccine Atopic* (Cyclosporine, tacrolimus, VEG inhibitors)
	Thyroid Supplementation (w/iodine)

AVOIDING THE TRIGGERS:

Cause	Treatment	Recommended Treatment
Bacteria	Regular bath with an antimicrobial	
Yeast	Shampoo. Wipe off affected areas (feet, face, etc) as often as possible	
Pedema		
Otitis	Routine Ear Treatment/Cleaning	
Flea and Intestinal Parasites	Year-round Prevention	
Food Triggers	Restricted diet	
House Dust Mites	Dehumidify, replace dog bed, anti-allergy spray (benzyl benzoate)	

PROMOTE SKIN HEALTH AND RESTORE BARRIER FUNCTION:

Cause	Recommended Treatment
Essential Fatty Acids	
Antihistamines	
Soothing, Leave on Conditioner	

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Arthritis		Allergy
Nutraceuticals	≠	Steroids
Hills JD	→	Restrict Diet
Deramaxx	→	Atopica
Injectable Joint Restorative Adequan	→	Injectable Immune Restorative Allergy Vaccine
EFA omega 3	→	EFA omega 3
Tramadol	→	Antihistamines
Swimming	→	Weekly Baths

My Patients

- Every 3-7 days - Bathe, Mometomax,
- Wipe feet as often as possible
- Antihistamines
 - Bedtime Benadryl
 - Daytime antihistamine - Zyrtec
- Omega 3 EFA every 12 hours
- Genesis Spray on any itchy or red spot PRN
- Atopica or Allergy Vaccine or food trial or T4

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