Cats - Atopic Dermatitis

- Miliary Dermatitis
- Allergic Alopecia – Pruritus
- Eosinophilic plaque
- Eosinophilic Granuloma Complex
- "Head and Neck Pruritus"
- Uricaria Pigmentosa
- Persian facial dermatitis?

All have similar etiologies
Similar diagnostic strategy
Similar therapeutics

Hnilica 2009

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Hemodynamic effects of methylprednisolone acetate administration in cats.


- 12 cats, 5mg/mg methylprednisolone acetate (MPA)
- Substantial increase in serum glucose concentration at 3 to 6 days after administration.
- Plasma volume increased substantially (> 40% in 3 cats)
- Analogous to the plasma volume expansion that accompanies uncontrolled diabetes mellitus in humans.

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Cyclosporine in Atopic Cats

- FIV/FeLV negative
- No evidence of systemic disease
- Rule out of other pruritic diseases:
  - Flea allergy
  - Mites
  - Pyoderma & Malassezia
  - Food reactions
  - Dermatophytes
  - Pemphigus
  - Psychogenic
  - Neoplasia

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- Very good response rate
- 25mg/cat daily for 1-2 months => every 2-3 days
- Longer half-life than in dogs
- Monitor for infectious disease
- Widely used off label
- Much lower rate of serious side effects than corticosteroids (Diabetes, Heart Failure)
- Main reported side effects = GI disturbances and weight loss. **Most cases not severe** enough to stop usage
Cyclosporine and Feline Toxoplasmosis

- Despite publication of cases, an uncommon complication
- New infections more important than re-activation of latent. Sero-negative cats at higher risk
- No evidence of re-shedding of oocysts. Only shed for a few weeks
- Cats that hyper-absorb cyclosporine at higher risk

- Prevent new infections
  Cook meat
  Stop hunting
  Eliminate rodents

- 30 day CsA blood level
  EDTA sample whole blood 24 hours post pill
  Should be 200-500ng/ml and not in 1000’s. Then adjust dose based on response and blood level.

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Vomiting and Cyclosporine

1. Give initially with food
2. If vomits, freeze capsule
3. If still vomits, 10mg dose for 3 days and give metaclopramide 30 mins before.
4. Discontinue metoclopramide after 14 days

- Metoclopramide moderately increases cyclosporine blood levels and the food does not decrease clinical efficacy