

Anti-inflammatory Drugs

What should I give it?

anti-inflammatory drugs

- steroids
- NSAIDs
- anti-arthritis drugs
- odds & ends
- immunomodulators
- anti-cancer drugs

What would you do?

- 7 year old mare
- went lame after heavy work
- now reluctant to use right fore



problems?

- pain
- minor cartilage damage
- minor inflammation

objectives?

- relieve pain

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drugs?

- NSAIDs
 - ketoprofen
 - flunixin
 - phenylbutazone?

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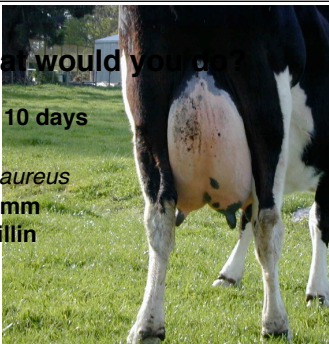
definitive treatment

- rest then
- gentle exercise

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What would you do?

- calved 10 days ago
- *Staph. aureus*
- on imamm cloxacillin



problems?

- **infection**
- **pain**
- **inflammation**
 - high cell count

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treatment objective?

- **back to full production asap**

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treatment?

- **antibiotics**
- **NSAIDs?**
- **steroids???**

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remember

- **withholding times!!!**

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What would you do?

- 8 yr old mongrel
- gradual hair loss
- thin legs and fat belly
- no scratching



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diagnosis?

- Cushing's syndrome

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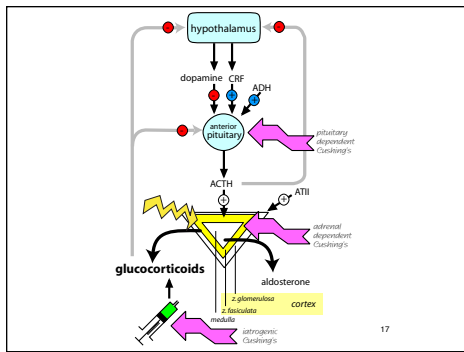
treatment objective?

- reduce corticosteroids

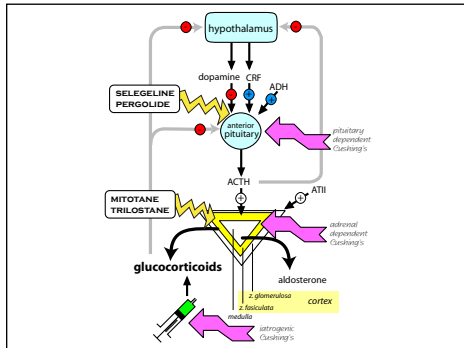
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treatment?

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drugs

- **pergolide**
– D2 agonist
- **selegiline**
– MAO inhibitor
- **mitotane**
– nasty, toxic drug
- **trilostane**
– inhibits steroid synthesis

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What would you do?

- respiratory distress
- inhaled FB removed
- larynx inflamed
- recovering from anaesthesia



problems?

- airway mucosal damage
- airway narrowing
- respiratory obstruction?

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treatment objectives?

- ensure clear airway quickly

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treatment?

- anti-inflammatories?
- tracheostomy?
- keep endotracheal tube in?

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anti-inflammatory drugs

- need to be:
 - potent
 - fast acting
 - long acting?

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drugs?

- **corticosteroids**
 - hydrocortisone iv
 - ± dexamethasone (sodium phosphate)???

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What would you do?

- 3 wk old calf
- nose inflamed with blisters



diagnosis?

- foot and mouth???
- sunburn

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treatment?

- put somewhere shady for a few days

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What would you do?

- 15 year old dog
- been on meloxicam for hip arthritis
- now off food



problems?

- pain?
 - progression of disease
- ulcers?
- something unrelated?

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arthritis

- treat cause if possible
- relieve discomfort
 - rest
 - diet
 - drugs
 - (joint replacement)
 - arthrodesis / excision arthroplasty
 - euthanasia

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drugs in arthritis

- **NSAIDs**
- **PSGAGs**
- **corticosteroids**

drugs in arthritis

- **NSAIDs**
 - carprofen, meloxicam, etc, etc
- **PSGAGs**
 - pentosan
- **corticosteroids**
 - prednisolone

anti-inflammatory drugs

- **steroids are the most potent anti-inflammatory drugs**
- **NSAIDs are useful for both acute and chronic inflammation, but gastric ulceration limits duration of use**
- **mucopolysaccharides are sometimes used for arthritis in horses and dogs**
- **many drugs have some anti-inflammatory effect**