

# *Fun in the Summertime!*

(Or, what kind of mess  
can we get  
ourselves into today)

Presenter:

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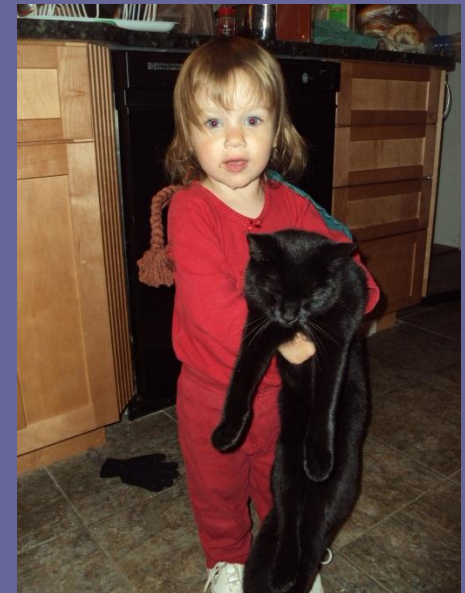


# What on earth is this talk about?



Common summer situations

- ✓ Hyperthermia
- ✓ Things that bite and sting
- ✓ Water Safety



# Hyperthermia (Overheating)

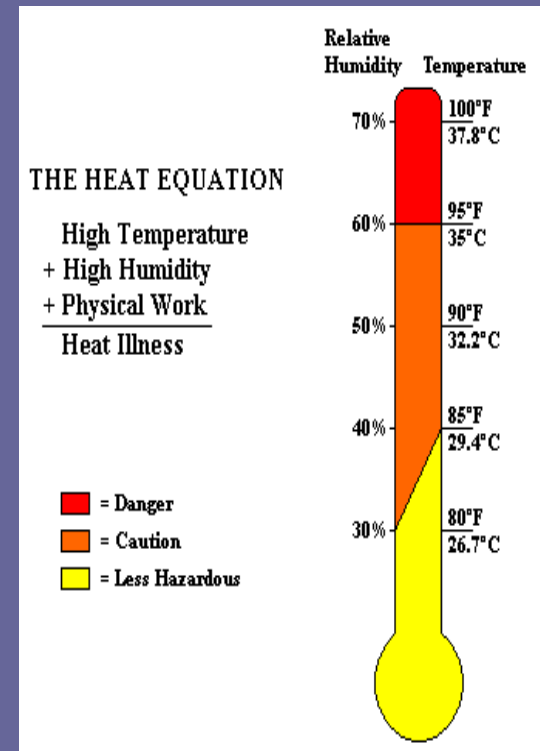


- Cars are a common cause, but not the only one
- 103 or higher, 106 + is greatly concerning
- Short nosed dogs (pugs, bulldogs etc)
- Intense dogs (border collies, labs & tennis balls etc)
- Always provide shade and fresh water
- Consider a kiddie pool



# Treating Hyperthermia

- Signs – panting, rasping breathing, collapse, weakness, red mucus membranes, drooling, seizures.
- Steady cooling via
  - Luke warm bath (it must be cooler than the dog, not COLD)
  - Wet towels over animal
  - Fans on dog
  - Offer of luke warm water, not ICE COLD
  - Cool extremities if cant cool the whole dog. The feet control the temp of the dog in many ways.



# Float like a butterfly, sting like a bee (or spider or black fly)

Signs of allergic reaction:

- Swelling, redness, itch
- Generalized hives & itch
- Facial swelling, difficulty breathing, pale gums
- vomiting, retching, gagging

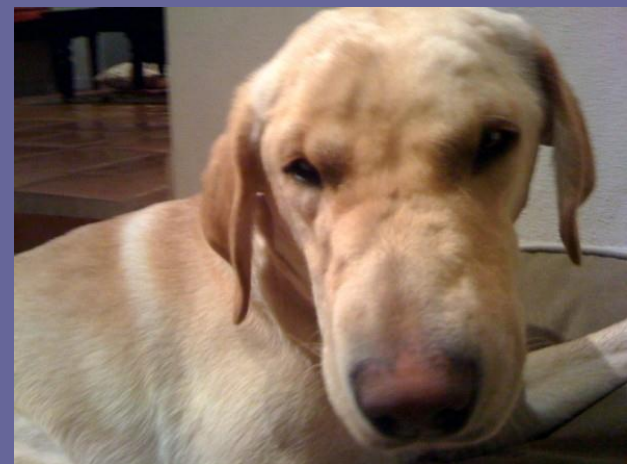
Home Treatment – Benadryl & call your vet

Hospital Treatment –

Injectable Benadryl & Steroids

IV Fluids

Epinephrine if needed



# Water, Water, Everywhere



## *Fresh Water Risks*

- Blue Green Algae
- Leptospirosis
- Drowning

# BLUE GREEN ALGAE

(Cyanobacteria)



- Pea soup or thick paint
- Influx of nutrients
  - Storm runoff
  - Fertilizers
  - Human & Animal wastes
- Symptoms:
  - Skin & Eye Irritation, Intestinal Upset,
  - Liver disease, Neurologic Abnormalities
  - DEATH

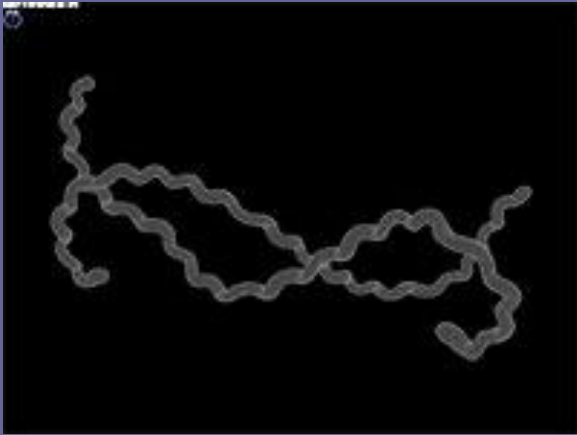
# What You Can Do...

- Be observant!
- Obey posted signs
- Rinse dogs after playing or swimming in water of any kind (fresh, salt, pool)
- Be thoughtful in how you use fertilizers & detergents (for washing cars), and how you handle pet and farm wastes.





# Leptospirosis



- Caused by Leptospira bacteria types
- Fresh water contaminated by infected urine
- Canines, farm animals, rodents, deer, raccoon
- Doggie parks / daycares
- **VACCINE AVAILABLE**

# Lepto Symptoms

- Sometimes none (silent carrier state)
- Fever
- Lethargy
- Poor appetite
- Vomiting
- ADR “Ain’t Doin’ Right”
- Kidney and Liver failure in severe cases
- Treated with antibiotics
- Tests are available to confirm the diagnosis
- Generally treatable, but can be fatal



# Lepto Vaccine: Friend or Foe

- Multiple types of Lepto and only 4 covered by vaccine
- Vaccine reaction rate
- What we do to reduce this rate
- Risk of actual disease
- Zoonotic risks

Conclusion: Around here, dogs who are at risk should be vaccinated carefully.



# Water, Water, Everywhere

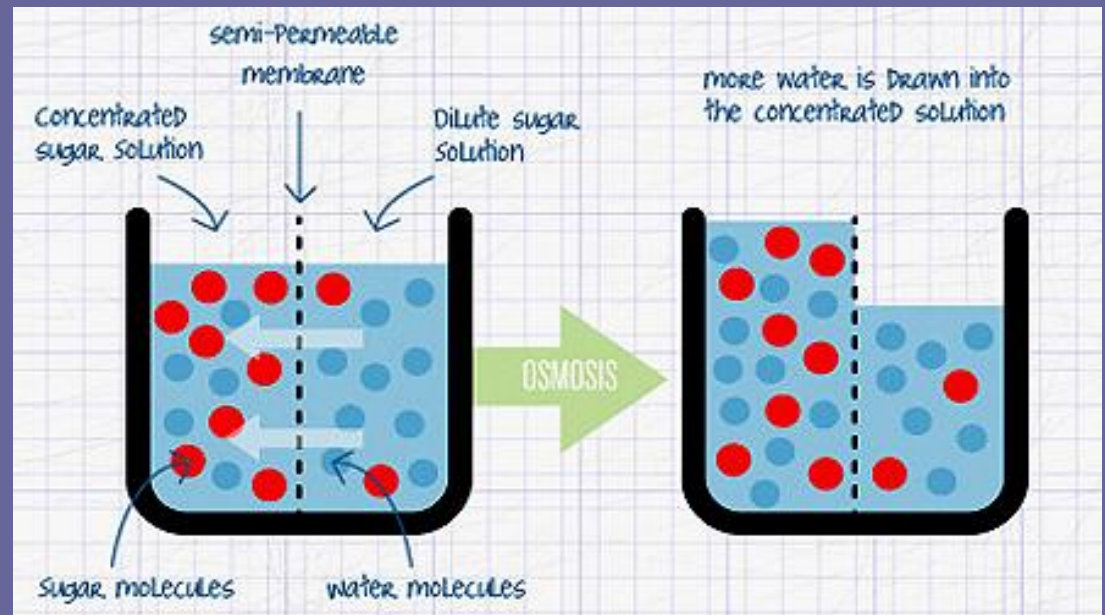
- Salt Water Risks
  - Drowning / Overexertion
  - Salt Poisoning
  - Deep sand, joint strain
  - Cold Tail (Limber tail, dead tail)
  - Foot pad injuries on shells, glass etc.





# Drowning

- Simple Drowning – lungs fill with water when animal tries to breath underwater.
- Salt Water Drowning – takes far less water due to osmotic pressure



Osmosis – Diffusion of molecules from a place of higher concentration to a place of lower concentration until both sides are equal.

# Salt Poisoning

Also due to osmotic pressures:

1. Animal eats/drinks too much salt
2. Water flows into GI tract causing either vomiting or diarrhea
3. If enough water flows out of blood stream into GI, blood concentration increases and blood volume decreases with secondary complications.

# Ocean Related Orthopedic Injuries

- Deep sand, joint strain
- Cold Tail (Limber tail, dead tail)
- Foot pad injuries on shells, glass etc



# Water, Water, Everywhere

- Pool Concerns
  - Human injuries caused by anxious pets
  - Foot Pad injuries from cement pool surrounds
  - Drowning (yes, again!)
    - Pool steps aren't always easy for a pet to find





# Thank You

