
Becky DeBolt, DVM
UT College of Veterinary Medicine
Clinical Assistant Professor Shelter Medicine
Today's Agenda

• Why
  • Are vaccines so important in shelter animals

• What
  • Are vaccines
  • Core vaccines

• Who to vaccinate

• When
  • Timing
  • Adults vs Juveniles
  • Preparation

• Where
WHY

THE SF SPCA ENDORSES:

THE FIVE FREEDOMS OF ANIMAL WELFARE

1. FREEDOM FROM HUNGER AND THIRST
   By ready access to fresh water and a diet to maintain full health and vigor.

2. FREEDOM FROM DISCOMFORT
   By providing an appropriate environment including shelter and a comfortable resting area.

3. FREEDOM FROM PAIN, INJURY OR DISEASE
   By prevention or rapid diagnosis and treatment.

4. FREEDOM TO EXPRESS NORMAL BEHAVIOR
   By providing sufficient space, proper facilities and company of the animal’s own kind.

5. FREEDOM FROM FEAR AND DISTRESS
   By ensuring conditions and treatment which avoid mental suffering.
About Vaccinations

- Reduce severity and duration of disease
- Prevent disease
- Provide individual protection
- Provide herd immunity
WHY THE INDIVIDUAL

- Vulnerable
- Stressful
- Many Animals
- New Animals Daily
- High Risk of Disease Exposure
WHY HERD IMMUNITY

If only SOME get vaccinated...
...the virus spreads.

If MOST get vaccinated...
...spreading is contained.

Healthy, non-vaccinated
Healthy, vaccinated
Not-vaccinated, sick, contagious
OUR HERD: NOT Vaccinated

DiGangi 2012
- <50% cats entering shelters have antibody to panleukopenia

Lechner 2010
- 67% dogs entering N Florida shelter had protective antibody titers against parvo
- 43.2% had protection against distemper
- 64.5% are vulnerable to one or both diseases

Perrone 2012
- “…certain groups, such as shelter dogs, a sizeable number of animals may not be immune to CDV.”
WHAT
WHAT is a vaccine

DA₂PP
FVRCP

Modified live viruses (MLV)
WHAT is a vaccine

Bordetella Intranasal

Immune response to natural infection

Also MLV

Immunity at the location of entry

The Critical Role of Mucosal Immunity for Protection Against Bordetella bronchiseptica: Rationale for Intranasal and Oral Vaccines

CAROL REINERO, DVM, DACVIM, PHD
## WHAT Vaccines to Give

### Core Shelter Vaccines

**Dog**
- DA$_2$PP (MLV)
- Bordetella, Parainfluenza (intranasal)
- Rabies

**Cat**
- FVRCP (MLV)
- Rabies
- FeLV (if in group housing)

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AAHA CANINE VACCINATION GUIDELINES
Revised 2017
WHAT??!!

How Quickly Do They Work?

• Within hours!!!
• Immunity in 72 HOURS
Dog Vaccines Not Used in Shelters

- Too long to take effect
- Not true risk to our population
- Limited effect against disease

Canine Influenza Virus
Canine Coronavirus (GI strain)
Leptospirosis
Lyme vaccine
Rattlesnake vaccine
Injectable Bordetella
WHO
DA₂PP and FVRCP

- Any cat or dog over 4 weeks old
- If injured -> vaccinate
- If sick -> vaccinate
- If pregnant -> vaccinate & spay asap
  - Unless a legal case...
WHO to vaccinate with Bordetella

- Puppies: 3 weeks old and up
- Injured
- Sick
- Pregnant
Who NOT to vaccinate

- Temp over 103.4 (vaccine may not work)

Too sick to vaccinate = too sick to be in the shelter
WHEN
WHEN to vaccinate

• At the moment of intake
• Every time
• No exceptions!
Dog Schedule

- **Bordetella (intravnasal or oral)**
  - > 3 wks old -> at intake
  - Dogs < 6wks old: repeat in 2 weeks
  - Dogs > 6wks old: annual

- **DA2PP (MLV)**
  - > 4 wks old -> at intake
  - Adult -> repeat in 2 weeks
  - Puppy -> repeat every 2 weeks until 18 wks old
  - (adult K9 teeth in)

- **Rabies**
  - > 12 wks old
  - At intake or adoption
  - 28d to take effect
Cat Schedule

- **FVRCP**
  - > 4 wks old -> at intake
  - Adult -> repeat in 2 weeks
  - Kitten -> repeat every 2 weeks until 18 wks old
    - (adult K9 teeth in)

- **FeLV (if group housing)**
  - >8wks old -> at intake
  - Booster in 2-3 wks

- **Rabies**
  - >12 wks old
  - At intake or adoption
  - 28 d to take effect
WHEN to vaccinate the young

- Puppies and kittens
  - Every 2 weeks until 20 wks old
  - Adult K9s are partially in
Why so often in the young
WHEN to use the vaccine: Preparation

- Use WITHIN 60 minutes of mixing
- Keep refrigerated at ALL times from arrival
WHERE
QUESTIONS?

THANK YOU!!!!
• Univ Florida – Maddie’s Fund Shelter Medicine Program
  • www.ufsheltermedicine.com
• UC Davis - Koret Shelter Medicine Program
  • www.sheltermedicine.com
• University of Wisconsin Shelter Med Program
  • www.uwsheltermedicine.com
• ASPCA
  • www.aspcapro.org
• HSUS
  • www.animalsheltering.org
• Guidelines for Standards of Care in Animal Shelters
  • www.sheltervet.org

  • GO TO THE MEDICINE TRACKS AT SHELTER CONFERENCES! WE CAN’T FIX SHELTER PROBLEMS WITH MEDICINE, THE FOCUS IS ON THE POPULATION.
References


