

# What to Do With a Shelter Puppy?

### **Objectives:**

- •Write or update a comprehensive puppy protocol for your shelter
- Maximize the puppy live release rate
- •Puppies are dogs less than 18-20 weeks of age

All handouts and this PowerPoint downloadable at www.wendyblount.com.

- Click on "Presentation Notes"
- •Click on "What to Do With a Shelter Puppy?"

# Intake Planning for Puppies

### **Pathway Planning**

- ·Identify the most likely outcome for the animal
- ·Guide them there as soon as possible
- ·Identify pathway on intake
- ·Reassess each animal's pathway daily

Minimize Turnover Time Especially for Puppies!

# Foster Care

- •Puppies or kittens too young or too ill for adoption are at great risk of euthanasia at shelters
- •Richmond ASPCA began "Foster to Surrender"
  - •When puppies and kittens are brought for surrender, individuals encouraged to foster until ready for adoption
  - •Puppies and Kittens were owned by the shelter
  - •Shelter provides vaccines and dewormers and training for orphan care
  - Inexpensive to implement
  - •Tremendous public appeal

# Foster Care

- "Foster to Surrender" Intake Procedure
   puppies/kittens surrendered
  - Vet exam
    - •Fecal
    - •FeLV/FIV tests
    - Vaccination, deworming, prescribed meds
  - •Supplies provided if needed
    - ·Food, formula
    - ·Litter boxes and litter
    - •Crates and beds
  - •Care giver signs contract with return date

# Foster Care

- •Ideal return date is 10-12 weeks of age
- Spayed and Neutered
- •Put on the adoption floor
- •Healthy puppies and kittens do not last long
- •During kitten/puppy season, they might need to be on a short waiting list for cage space
- •Provide a date at which they can surrender no matter the cage space (12-14 weeks)
- •Eliminate the worry of "getting stuck" with the puppies or kittens

# Foster Care

### **Staff Required**

- •One person tracks the fosters in the program
  - •Schedule & monitor puppy visits
  - •Follows up on return date
- •Vet must provide intake exam and follow-up visits
- •Shelter staff dispenses supplies
- •Less than that to care for animals in house

# Foster Care

### **Benefits of the Program**

- •Infectious disease minimized
- •Improved weight and body condition
  - ·Less disease exposure
  - Less stress
- ·Lower puppy euthanasia and death rates
  - •Improved immunity when they enter the shelter
- Higher puppy and kitten adoption rates
  - Caregivers help find homes
  - Caregiver sometimes adopt

# Foster Care

### **Benefits of the Program**

- •Improves staff relations with the public
  - •Staff sees public is "foster home" rather than "puppy dumper"
  - •Public sees shelter staff is "puppy saver" rather than "puppy killer"
  - Animal welfare becomes a community concern rather than a shelter concern
- •Raise public awareness of pet surplus
  - •Donation fund to support the program
  - •Sammy and Rex Fund

# Foster Care

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# Foster Care

# Obstacles to the Program Overcoming the Fear

- •Staff learns to trust the public
- •Public learns to trust staff
- •"Feel the Fear and Do it Anyway" (Susan Jeffries)

# Dealing with the rejections

- ·Some say, "No"
- •Many more say, "Yes"

# Dealing with occasional failure (Richmond ASPCA 1.7%)

- •Some lost to follow-up
- •Some die in foster care

# Foster Care

### In the Contract

- •Animal owned by the shelter
- Appointment info for puppy visits
- •Where to get supplies
- •Who to call with questions or emergencies
- •Which veterinarians to use for services
  - •Those with MOU
- •Caretaker financially responsible for any veterinary care not pre-approved by shelter staff

# Foster Care

### Puppies born in the shelter

- •Foster Mom and pups out ASAP
- •Intake Mom when pups are 6 week old
- •Pups into foster homes until 10 weeks of age

Goal is to have all pups <10 weeks in foster care Never keep pups <6 weeks in the shelter if you can help it

There will still be young pups in the shelter that have nowhere else to go
Call in foster pupples 6-10 weeks old if not

Call in foster puppies 6-10 weeks old if not enough pups in the shelter

# Microchips

### Even puppies should be scanned for microchip

- AKC puppies are chipped
- •Breeders often chip unregistered puppies
- •20-25% of dogs in shelters are purebred dogs

Microchip doubles the likelihood of dog reclaim and increases cat reclaims by nearly 20x Scanning more than once (2-3x) will increase likelihood of finding a microchip by 13%

Lord LK, Ingwerson W, Gray JL, et al. Characterization of animals with microchips entering animal shelters. *JAVMA 235(2)*, 2009.

# Microchips Universal scanners • Microchip scanners • Use more than 1! AKC CAR ProScan 700 AVID 1034 MiniTracker 3 Brian DiGangi, 2011

# Microchips

- •125 kHz 24PetWatch, AVID FriendChip, AVID Euro, HomeAgain 125, Banfield
- •128 kHz AKC CAR
- •134.2 kHz Bayer ResQ (ISO), HomeAgain 134.2 (ISO), FoundAnimal, Banfield (ISO)

If you use and AKC CAR scanner, you should get another Scanner to detect 125 kHz chips

AVID MiniTracker I Universal MultiScan 125 is NOT a universal scanner – scans 125 kHz only (blue, red, black)

# Microchips

### **Proper Chipping Technique**

- •Scan the pet to make sure not already chipped
- •Scan the chip to make sure it is not faulty
- •Check the number on the scanner against the label
- •Place the chip
- •Scan the pet to make sure the chip is in the animal
- •7 of 11 chips that could not be found on scanning also could not be found with radiographs
- •2 chips found in the cage after chipping
- •if not chipped on intake, chip when they leave the shelter (foster care included)

# Microchips

### Proper Scanning Technique - S.C.A.N.

- •Slow Speed 6 inches per second
- •Close really close to the animal touching them is OK
- Area Cover the entire dog, including head, legs and tail
   chips migrate
  - ·Serpentine pattern on top, and on each side
- •Next Steps in the intake protocol
  - •Record the chip number
  - •Search the chip at <a href="http://petmicrochiplookup.org">http://petmicrochiplookup.org</a>
  - •If not registered, determine who made the chip and call the manufacturer
  - •They can tell you who bought the chip

# Microchips

### **Tips for Scanning**

- Watch for low battery warnings
  Less sensitive when batteries are low
- •If first scan on intake reveals no chip, scan again
- •Complete the entire scan even after a chip is found •animals can have more than one chip
- •If you use PetPoint Software, also search that database for the chip
- Register with

http://microchipregistry.foundanimals.org

# Animal Identification

### Challenges to uniquely identifying puppies

- photos for identification
  - •entire pet in photo
  - •Don't rely on photos alone
  - •Yellow lab puppies all look alike
  - •Post pictures of strays online
- •if it were your animal, would recognize it from the photo?
- •Note in the record distinguishing marks not seen in the photo
- •Repeat photo once monthly until 6-8 months of age

# Animal Identification

Challenges to uniquely identifying puppies •52 pound male pit bull, white and brindle bicolor



# Animal Identification

**Challenges to uniquely identifying puppies** •20 lb 4 month old female GSD x pug, solid black



# Animal Identification

**Challenges to uniquely identifying puppies** •20 lb 4 month old female GSD x pug, solid black



# Intake Housing

- •Puppies should be housed separately from adult dogs, regardless of vaccination status
- ·Ideally there should be four puppy areas
  - •Quarantine watching for signs of disease
  - •Isolation actively infected, to protect general population
  - •Healthy hold came with medical records, unlikely to have infectious disease, available for immediate adoption until introduced to adoption floor
  - Puppy adoption floor

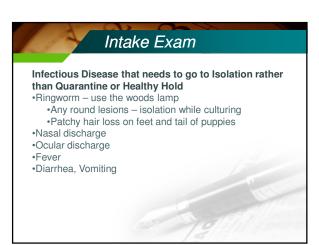
# Intake Housing

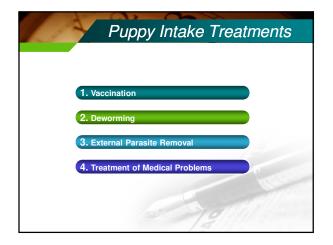
- •Appropriate foster homes can be designated for **isolation** 
  - •Ringworm should not go to foster
  - •Long term contamination with parvovirus
    - •Designated parvo convalescent foster homes
- •Stray hold period and quarantine can also take place in approved foster homes
- •Healthy Hold and Adoption are best in the shelter, where foot traffic will maximize adoptions

# Intake Housing

- •Littermates housed together in larger housing
- •Some prefer to separate the pupples into smaller cages during adoption hours
  - •they stay cleaner and show better
  - •A pair of puppies per cage is ideal (M & F)
  - Observation of puppies at play
  - More likely to adopt two
- •Consider traffic flow when choosing puppy locations
  - traffic must flow from most susceptible to least
  - Puppies and kittens first
  - •Then the rest of the shelter

### Intake Exam **Tips for Estimating Age** •Eyes open at 2 weeks **Eruption of Teeth in Dogs** Incisors 12-16 weeks Canine 3-5 weeks 5-6 months Premolars 4-12 weeks 5-6 months Molars (2/3) n/a 5-7 months •If permanent incisors in, they are old enough for rabies vaccine •If permanent canines in, they are old enough for HW test





# Vaccination Lechner ES, Crawford PC, Levy JK et al. Prevalence of protective antibody titers for canine distemper virus and canine parvovirus in dogs entering a Florida animal shelter. JAVMA 236(12):1317-21, 2010. \*Titers for these diseases have been validated as evidence of protection from infection \*More than 50% of dogs were not protected from CDV \*About 1/3 of dogs were not protected from CPV \*Stray dogs were not more likely to be susceptible than owner surrenders \*Those with illness were not more likely to be susceptible No way to identify those animals coming in with greatest need for vaccination other than doing titers

# Vaccination Can vaccine on intake work fast enough to protect shelter animals? •Adults respond maximally to first does of MLV vaccine within 5-7 days •If adult has had any vaccine previously, maximal response to MLV occurs within 1-3 days •Antibody levels limb faster and higher •Intranasal vaccines protect within 2 days •Maternal immunity is gone between 10 and 18 weeks •Vaccination at intake is the best you can do in most cases •Vaccines will take effect before intake quarantine is over •Shelters that take surrender appointments may have the opportunity to vaccinate prior to intake

Vaccination				
Reference	Disease	Time to	Protection	Vaccine
Brun, 1979	FPV	Protection 3 days	Test Challenge	Type MLV
Carmichael, 1983	CPV	5 days	Titers	MLV
Larson, 2006	CDV	4 hours	Challenge	Recombinant
Cocker, 1986	FHV-1	2 days**	Challenge	MLV-IN
Larson, 2009	FCV	7 days**		MLV
Gore, 2005	Bordetella	2 days**	Challenge	AL-IN
**these vaccines a infection	re intended to	lessen severity	of disease rath	ner than preven

# Intranasal vaccines \*Response within 48 hours \*Mitigate symptoms of upper respiratory infection \*Bypass maternal antibody interference \*The only vaccination route by which canine parainfluenza immunity develops \*Stronger protection against respiratory pathogens via local immunity

# Vaccination AAHA Vaccine Guidelines for Shelters (2011) DHPP \*MLV on or before intake, or according to provided vet records \*Begin at 4 weeks of age \*every two weeks until 18-20 weeks of age \*Booster in one year \*Every three years thereafter \*rCDV (Recombitek – Merial) and measles/CDV vaccine break through maternal immunity 2 weeks earlier than MLV \*rCDV and MLV equally effective for puppies >20 weeks

# AAHA Vaccine Guidelines for Shelters (2011) Bordetella + CPi ± CAV2 IN or PO on intake \*Begin at 3 weeks of age or on intake \*Repeat in 2 weeks or at 6 weeks of age, whichever is later, if 1st dose less than 6 weeks of age \*SC not recommended for pups, as most puppies can be given IN vaccine safely \*A single IN dose is protective after 6 weeks \*2 doses of SC are required for immunity, no matter age \*Repeat once yearly \*\*Parenteral administration of CPI vaccine is not effective

# Vaccination AAHA Vaccine Guidelines for Shelters (2011) Rabies •Not indicated for pups <12 weeks •Not necessary for pups 12-16 weeks, as risk exposure while at the shelter is minimal •AAHA recommends vaccination on release from shelter •AAHA recommends vaccination on intake if long shelter stay is anticipated •State law requires vaccination by 16 weeks (no exceptions for shelters) •Booster 1 year later •Then every 3 years

### Vaccination

### AAHA Vaccine Guidelines for Shelters (2011)

### Canine Influenza

- •1 dose has little benefit, so do not vaccinate if turnover time is known to be less than 2 weeks
- •Consider vaccination if shelter is in endemic area or if animals transported to or from shelter to endemic area
- ·As young as 6 weeks of age
- •First dose at or before intake
- •Two doses two weeks apart are required for immunity

# Vaccination

### Vaccine Tips

- •Use MLV vaccines rather then killed for fastest immunity
- ·Vaccinate all animals regardless of health status
- •Lack of ideal response is a legitimate concern in practice when the vaccine can be given later with no harm to the animal, but not at the shelter
- •Once mixed and stored at room temperature, give MLV vaccines within 1 hour
- ·Single dose vials are preferred
  - Reduced contamination
  - •Ensures proper mixing and dosage of antigen and adjuvant
  - \*Bordetella ADT (Nobivac, Intervet) prevents inadvertant SC injection of IN

# Vaccination

### ASV Guidelines, 2010

- •Vaccination protocols used for individual pets in homes are not adequate in most shelter settings
- •Pregnancy and mild illnesses are not contraindications to vaccination with MLV vaccine in shelters
- •Shelters that do not vaccinate all animals immediately on intake are more likely to experience deadly outbreaks
- <u>Protocols</u> for managing adverse reaction **must** be provided by a veterinarian and be readily accessible

Because risk of disease exposure is often high in shelters, animals **must** be vaccinated at or prior to intake

# Deworming

### **CAPC** Guidelines

- Broad spectrum dewormer at intake Fenbendazole
- •Puppies and kittens every 2 weeks until 16 weeks of age
- Then monthly

**ASV** – deworming on intake and regularly to prevent environmental contamination and zoonosis

Dogs and cats should not be allowed on the grass or dirt until dewormed twice

Puppies should be exercise on grassy areas separate from other dogs

- Quarantine and isolation not on grass
- ·Separate areas for healthy hold and adoption

# External Parasites

### No Specific Guidelines

- •Fleas can be deadly to puppies and kittens in Texas
- •Ticks carry life threatening diseases for animals and people
- •Capstar on intake is a favorite for fleas
- •Ticks and fleas can infest the shelter, and one of the **Five Freedoms** of the **ASV** <u>Shelter Standards (2010)</u> is
  - 1. Freedom from Pain, injury or Disease
  - 2. Freedom from Hunger and Thirst
  - 3. Freedom from Discomfort
  - 4. Freedom to Express Normal Behavior
  - 5. Freedom from Fear and Distress

# External Parasites

### No Specific Guidelines

- •Some split up tubes of Extra Large Dog Advantage or Frontline to use on smaller dogs and cats
  - •All evidence shows this is safe and effective
  - •Keep in mind this is illegal
- •Frontline spray or a dip is often used for ticks

# Diagnostic Testing

### **Fecal Exam for Parasites**

- •If routinely dewormed, most shelters do this only if problems with abnormal stool
- •Studies show low sensitivity of fecal flotation
- •If problems with infectious diarrhea, fecal tests on intake might become routine for awhile
  - Giardia spp (SNAP tests also available)
  - ·Coccidia spp
- ·If problems with Coccidia, some use one dose of ponazuril (Marquis paste) on intake (50 mg/kg)
  - ·Lower doses don't work as well
  - •Using 2-3 days in a row does not increase effectiveness and causes
  - •Don't forget to bathe the animals & pay careful attention to sanitation
  - •Cysts on the fur re-infect

# Minimum Age of Administration

Pyrantel – 2 weeks Interceptor – 2 weeks Drontal Plus - 3 weeks, 2 lbs Advantix - 8 weeks Capstar – 4 weeks, 2.2 lbs Program – 4 weeks Sentinel – 4 weeks Fenbendazole – 6 weeks Heartgard – 6 weeks Heartgard Plus - 6 weeks Revolution - 6 weeks

Metronidazole - weaned Advantage Multi - 7 weeks

Advantage II - 8 weeks Certifect - 8 weeks Frontline - 8 weeks Iverhart Max - 8 weeks, 6 lbs Trifexis - 14 weeks, 5 lbs Comfortis - 14 weeks, 5 lbs Albon – no age minimum Azithromycin - no age minimum Ponazuril – no age minimum Doxycycline - enamel stains

Vectra 3D - 7 weeks, 2.5 lbs

# Enrichment for Puppies

- •Foster homes until 10 weeks of age maximizes positive
- •Housing litters together (if only at night) provides self enrichment
- •Use volunteers to play with puppies and begin training

ASV Guidelines - Enrichment should be given the same significance of other components of animal care and should not be considered optional

# Web Resources

- HSUS aging dogs chart
- ·DiGangi aging kittens chart
- •Griffin Microchip scanning technique
- Microchip Codes
- •HSUS "Enriching a Shelter Dog's Experience"
- •Richmond SPCA "Foster to Surrender"
- •UC Davis Koret Shelter Medicine Vaccine Reactions
- •Blount TVMA Proceedings Paper "What to Do with a Pound Puppy"
- •Blount PowerPoint .pptx and .pdf

# Web Resources

- •ASV Shelter Standards 2010
- •Scanner Paper Lord et al, JAVMA 2009
- •Microchips and Reclaims Paper Lord et al, JAVMA 2009
- •Shelter Admission Titer Study <u>Lechner et al, JAVMA 2010</u> ·Links:
  - •Rex and Sammy Fund
  - •Pet Microchip Lookup
  - •Found Animals Registry