



## Neonatal Puppies

### 0-4 Weeks

Raising an orphaned puppy is a rewarding and challenging experience. Newborn-orphaned puppies are very fragile; raising them requires patience and commitment. But, if you feel you have a heart big enough to give the required time and energy, then you are about to embark on one of the most rewarding experiences life has to offer. The first several weeks of life puppies are completely helpless and will rely on you for EVERYTHING! The puppy will only do three things: eat, sleep and go potty. Here are something's you should know in caring for your newborn foster puppy.

### Feeding

Since mommy isn't around to provide breast milk, you will need to purchase commercial milk replacer. Directions for mixing are on the can. This is a guideline on how much to feed: Divide the daily caloric requirements into the 6-12 feedings required for their age. Expect an eightounce (1/2 pound) puppy to consume about 30 ml (one ounce or 2tbsps) of formula over a 24-hour period. Most milk formulas contain about 60 calories per ounce of formula, thus the eight-ounce puppy will consume about 60 calories in a 24-hour period. This is a guideline only. It is better to feed lesser amounts more often than large amounts at one time. If the puppies are not gaining weight, they need more food. If the puppies develop diarrhea, they may be overfed.

Recommended Caloric Intake	
Week	Calories/pound/day
1	60-69
2	70-79
3	80-89
4+	90-100

Formula should be slightly warmer than room temperature; you can test it on your wrist just like you would for a human baby. The first couple days you will develop a scheduled feeding time. Expect to feed every 2-4hrs for the first 2wks. Smaller or weaker puppies may require more feedings.

There are several ways to feed newborns. First remember you must care for all feeding utensils just like you would for a human baby. Bacteria can cause gastrointestinal upset and other complications. If you use a bottle make sure the nipple flow is just right by tipping the bottle upside down. Milk should slowly drip out if light pressure is applied. If milk drips out with no pressure added the hole is too big and will cause the puppy to aspirate fluid in his lungs. This can cause pneumonia or even drowning. If you have to apply a fair amount of pressure to get fluid to drip out, then the hole is too small. This can cause the puppy to get discouraged and refuse to nurse. You can enlarge the hole by heating a needle with a match and pushing it thru the nipple several times.

You can also use a dropper or syringe (minus needle) to feed. Remember newborns do not have a well-developed gag reflex, so you must go slowly to prevent fluid from entering the lungs.

Now that you have chosen a method begin by sitting with the tops of your thighs parallel to the floor. This provides a level area for the puppy. It can get messy so cover your lap with a towel. Place the puppy belly down on your lap. Without raising the puppies head place the nipple in his mouth if you are using a bottle. He should start nursing right away. However, it might take a couple tries, be patient. If you are using a dropper or syringe start the same way and remember not to tilt the head up.

The puppies will need to be burped during and after each feeding. Hold them upright or over your shoulder and pat their back. Sometimes a puppy may not get the hang of nursing and tube feeding may be required. If this happens please contact a vet immediately.

At 3wks some puppies can start nibbling canned puppy food, but will still require formula. The weaning process will be messy. You can use a small wading pool or bathtub for easier clean up. Start by placing formula in a shallow bowl (plastic lids work well too). Be patient, they will walk thru it, snort it up their nose and get it all over them. Once they start to show interest in lapping, you have a couple options:

1. Add just enough canned food to slightly thicken it. Gradually increasing till there is nothing but canned.
2. Add a few dry kibbles and mash them to desired consistency, gradually increasing till nothing but dry food.
3. Place dry kibble in a blender and blend with formula till desired consistency.

This may take a couple days to a week. Some puppies take longer than others. Remember to clean puppies after they eat with a warm damp hand towel. If you have to bath use a puppy shampoo or plain Dawn dish soap. Bathing too often can lead to dry, irritated skin. By 4wks they should have all their baby teeth coming in and be attempting to eat completely on their own.

### **Urination/Defecation**

The first 2wks you must stimulate the puppy to have a bowel movement and urinate. Momma would normally do this by licking the genitals. You can mimic this by gently rubbing the area with a moistened cloth or cotton ball. You should do this before and after every feeding. Take care to dry the area afterwards so a rash does not form. Don't worry if the puppy doesn't defecate right away, it may take a couple feedings. Some puppies respond better to having their bottoms held under warm, running water while being stimulated.

Sometimes in litters a puppy will try to nurse on another puppy's genitals. If this happens you will have to separate them, this can cause bruising, skin infection, or urinary tract infection. Note the color of the urine; it should be pale amber. If it is a dark yellow the puppy is dehydrated. Also, watch the stool; it should be the consistency of toothpaste and dark yellow to brown in color.

### **Sleeping**

If you have a single puppy or a litter, you don't want their sleeping area to be too big. Newborns depend on an outside heat source to maintain their body temp. So, you want them to be nice and cozy. If using a heating pad or other heating device always keep them on low, covered with bedding and enough room to move away from it if puppy gets too warm. You want their bed to be away from drafts and a constant room temperature of 85 to 90 degrees.

## **Common Problems With Neonates**

### **Chilling**

As stated above, puppies depend on outside sources to keep their body temperatures normal. A puppy's rectal temperature is normally 96 to 99 degrees the first week, 97 to 100 degrees the second and third week and 100 to 102 degrees thereafter. If his temperature drops below 94 degrees the situation becomes life threatening. The puppy should never feel cool to the touch. If this happens you must slowly provide him with warmth. Warming a chilled puppy too rapidly may result in death.

### **Dehydration**

If a puppy is not receiving enough fluids, is in a low humidity environment, or has diarrhea he will become dehydrated. You can tell if the puppy is dehydrated by gently pulling the skin on his back. If it doesn't go down to its original state the puppy is dehydrated.

### **Hypoglycemia**

Hypoglycemia is a decrease in the amount of sugar in the blood. Signs included severe depression, muscle twitching and sometimes convulsions. If a puppy is showing these signs rub gums with a couple drops of Karo syrup. This is more common in small breed or weak puppies.