

- Failure to thrive is defined as decelerated or arrested physical growth and is associated with abnormal growth and development.
- This condition implies that the patient has not been growing at the expected and predicted rate consistent with their age, species, gender and other parameters. It is a commonly seen condition that often responds to simple alterations in management. The common causes of failure to thrive are, Inadequate dietary input most nutrients Stress acute and/or chronic Parasitism internal and/or external Chronic illnesses diarrhea, renal disease Congenital deformities such as cardiac conditions, gastrointestinal malformations metabolic aberrations renal abnormalities competition with each other/other species.

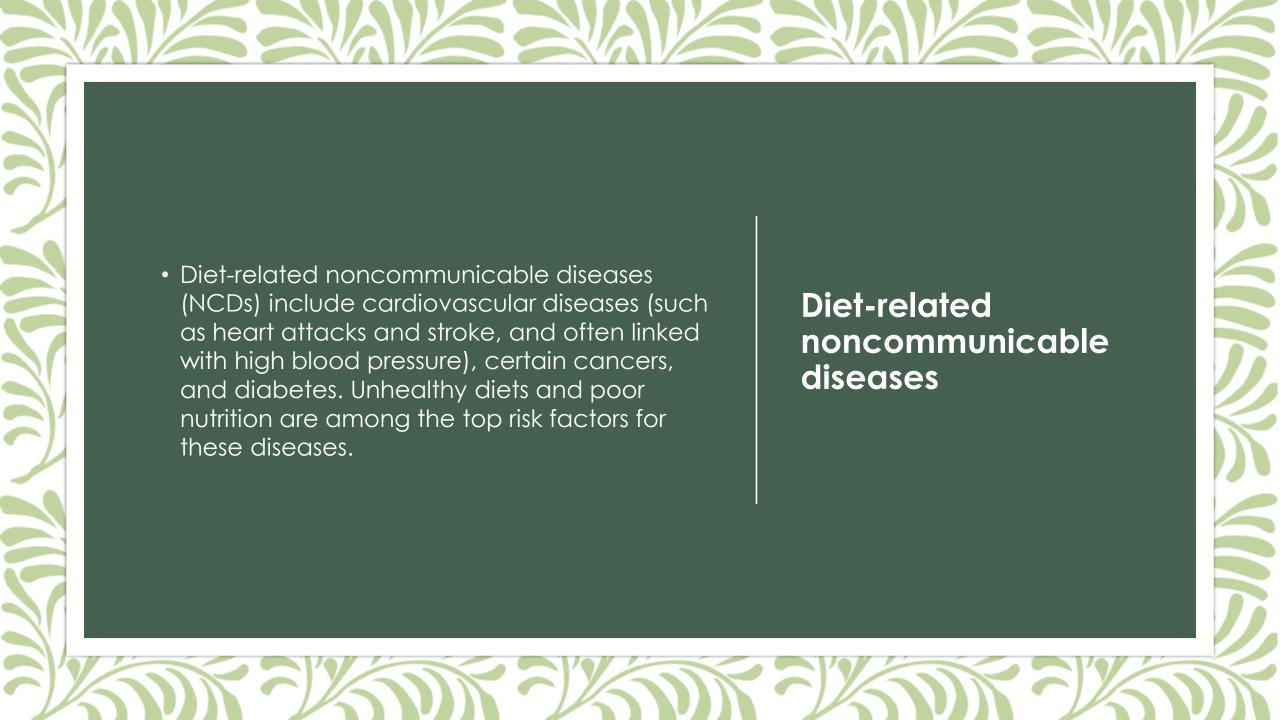
What is Failure to thrive?

- · lack of weight gain
- delays in reaching developmental milestones
- lethargic
- Abnormal bowel movements

• There are 4 broad sub-forms of undernutrition: wasting, stunting, underweight, and deficiencies in vitamins and minerals. • Low weight-for-height is known as wasting. Undernutrion • Low height-for-age is known as stunting. • Species with low weight-for-development are known as underweight. Species underweight may be stunted, wasted, or both.



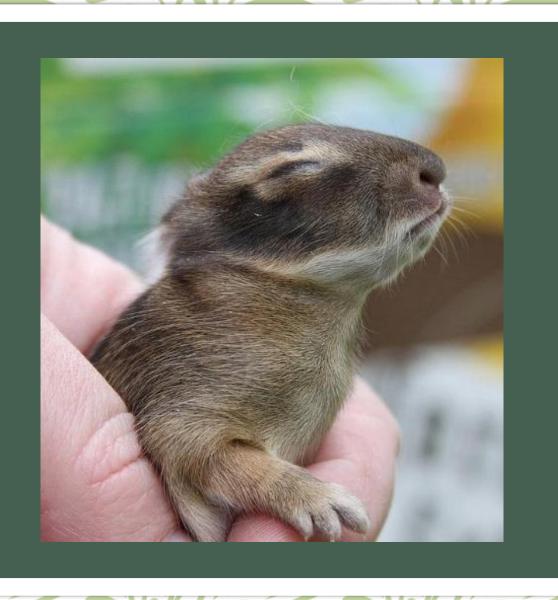








Mishandling • Escape • Broken bones Concussion • Stress • Increase heart rate



Formula

- Age
- Temperature
- Thickness
- Nutrition



Feeding schedule

- Care plan
- Frequency
- Being Observant
- Transition to solid foods

Bloating

- Diarrhea
- Stress
- Dehydration
- Microbiome disruption





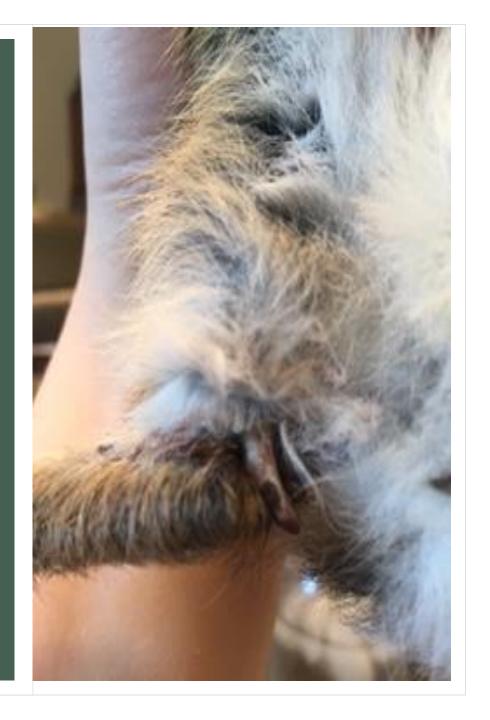


Improper caging

- Cage
- Not enough food
- Bullying
- Stress
- Hiding
- Surroundings

Wounds

- Extensive
- Infected
- Stress
- Incapable to give proper nutrition
- Unable to heal







VIRGINIA OPOSSUM

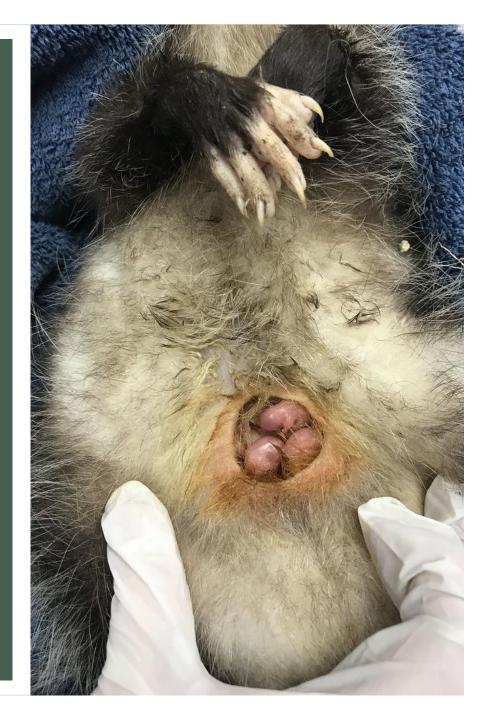


Overcrowding

- Floor cages
- Not enough food
- Bullying
- Stress
- Hiding
- pacing

Pouch removal

- Body damage
- Too young
- Unable to give proper nutrition
- Broken bond
- Non adapting

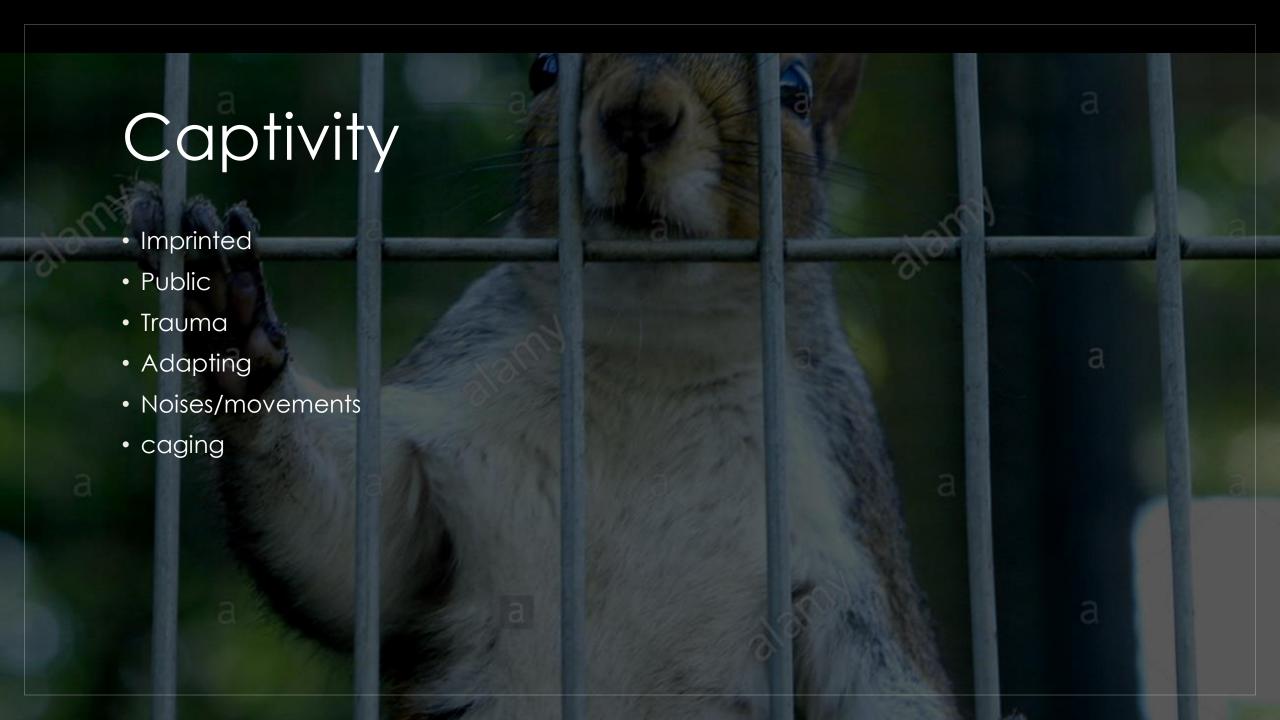




EASTERN GRAY SQUIRRELS

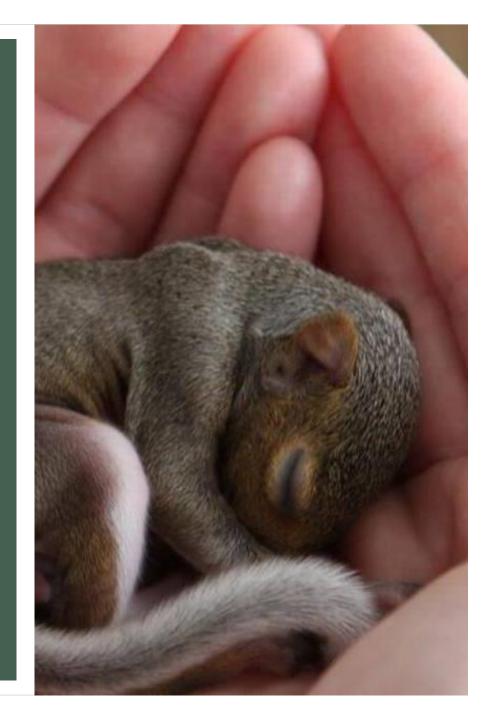
The least common we see FTT in.





Depressed/Scared

- age
- Separation
- Trauma
- Screaming
- Hiding
- Refusal to eat



• Bordetella is a gram-negative bacterium, commonly found in the respiratory system. It is part of the normal respiratory flora in its non-pathogenic form. The virulent or disease form can be activated in animals with compromised health, or by the presence of stressors such as overcrowding, transportation, poor ventilation and other factors.

- Symptoms of Bordetella infection in squirrels include:
- - Rapid onset of symptoms.
- - Lethargy and weakness.
- - Refusal to eat and/or fight attempts to feed, likely due to respiratory difficulty.
- - Profuse, frequent urination, sometimes involuntary.
- Moderate to high fever.
- Rapid and significant dehydration and weight loss

Bordetella



ALL BABY MAMMALS

- This can play a huge role in the proper development of the orphaned babies. Make sure when rehabbing these young species you can provide all dietary needs and supplements.
- Monkey biscuit
- Rodent block
- Fresh fruit/veggies
- Omnivore diet
- Yogurt
- Soaked chow
- Squirrel mix



- Aspiration increases your risk for aspiration pneumonia. This is a condition where pneumonia develops after you've inhaled bacteria (through food, drink, saliva, or vomit) into their lungs. Inhaled formula is probably the leading cause; however, improper bedding such as sawdust, mist from aerosol sprays, powders, being housed in a dusty environment, smoke and gases.
- Labored/difficult breathing
- Nasal discharge
- Wheezing/crackling
- Lethargic
- Loss of appetite
- Pale, bluish to dark purple skin



Fluid therapy, in an injured /orphaned animal, will dramatically improve the likelihood of survival.

Animals require fluids for:

- Maintenance;
- Rehydration;
- Replacement of ongoing losses.

The maintenance requirement of most species has been estimated to be 50-60 ml/kg/day, or 5% of body weight. Smaller species, such as passerines, may require up to 8% of body weight daily for maintenance. It is a reasonable assumption that most animals present with 10% dehydration.



THE TOTAL VOLUME OF FLUID GIVEN MUST ADDRESS BOTH THE ONGOING MAINTENANCE REQUIREMENTS AND THE REPLACEMENT REQUIRED FROM DEHYDRATION. IN THIS SCENARIO, 50% OF THIS DEFICIT IS REPLACED IN THE FIRST TWENTY-FOUR HOURS AND THE REMAINDER OVER THE FOLLOWING TWO DAYS.

DAY 1: MAINTENANCE (5%) + REHYDRATION (5%) = 10% OF BODY WEIGHT DAY 2: MAINTENANCE (5%) + REHYDRATION (2.5%) = 7.5% OF BODY WEIGHT DAY 3: MAINTENANCE (5%) + REHYDRATION (2.5%) = 7.5% OF BODY WEIGHT

THE TOTAL REQUIREMENT FOR 24 HOURS SHOULD NOT BE GIVEN ALL AT ONCE. THE AMOUNT IS DIVIDED AND GIVEN AT REGULAR INTERVALS – FOR EXAMPLE, EVERY 4 – 6 HOURS. IF TOO MUCH FLUID WAS GIVEN, AND THIS MAY BE POSSIBLE WITH INTRAVENOUS FLUIDS, THE ANIMAL MAY HAVE SIGNS OF NASAL DISCHARGE, COUGHING, PANTING, ASCITES OR DIARRHEA.

Treatment plans

- Diets
- Medications
- Stimulants
- Fluid therapy
- Mimicking natural environment
- Timed feedings

Records

- Photos
- Ticket system
- Weights
- Behavior
- Bowel movements
- Food intake



