



PRODUCT CODE AN219 VIRUS/BACTERIA CAT or KITTEN (Set of 5) i.e. herpes virus, upper and lower bacteria and virus infections	26 Pages
Cat Flu (influenza) Also treating secondary infection to the lung Rhinopneumonia, Rhinotracheitis etc	
Last Updated: 2-2-19 All species. e.g. Alpaca's as well	

“Acute or Chronic Bacterial Respiratory Tract Infection”

Chlamydia Infection (and eyes)

* See Product AN304 Chlamydia Formulas

Or

Bronchitis, Mycoplasma infection, Aspiration, Inhalant allergy,
Wheezing (Pseudomonas aeruginosa bacterial infection)

* See Product Set AN024 Respiratory Set of Formulas

This AN219 Set of Formulas are for:

Rhinotracheitis-Pneumonia treatment. (i.e. *Feline Herpes rhinotracheitis*)

In Equine, Feline, Canine Herpes (Rhinotracheitis) young and old.

Chronic conditions or Acute infections that have or maybe spreading to the lungs causing pneumonia or use as prevention. This formula has the lung pneumonia treatment as well. As we see many kittens getting secondary infections leading to infections of the lung of a fatal outcome. Viral Rhinotracheitis treatment, no need to use chemical antibiotics

* See page 15 Stomatitis treatment (mouth ulcers)



Nature of the viral infection most common in felines.

Feline viral rhinotracheitis (FVR) is an infectious respiratory disease of cats characterised by fever, conjunctivitis, nasal and ocular discharges and sneezing. It is caused by a herpesvirus (feline herpesvirus 1) which is the most common agent found in the feline respiratory disease complex which also commonly includes feline calicivirus, chlamydiosis and mycoplasmasosis.

Clinical signs

Clinical signs are usually more apparent in younger cats.

Can come on very quickly over night.

There is:

Fever

Depression and anorexia

Sneezing

Ocular and nasal discharges

Acute conjunctivitis may be a feature and lead to ulcerative keratitis.

Tongue ulceration and pneumonia may also occur.

Pregnant cats may abort.

Secondary bacterial infections are common.

Mortality is low, except in kittens (especially Siamese kittens) and old cats. In kittens death is usually due to **bronchopneumonia** associated with secondary bacterial infections “

RhinoPneumonia”

Differential diagnosis

Other important cause of respiratory disease in cats include:

Feline calicivirus

Feline pneumonitis

Chlamydia bacteria infection

Mycoplasma infection

Allergic Rhinotracheitis

In many species, including felines and humans Chlamydia is a common cause of Respiratory Tract Infections - 'RTI', and **Upper Respiratory Tract Infections** - 'URTI'.



URTIs (Upper respiratory Tract infection) cause nasal congestion and discharge and in cats runny eyes.

RTIs affect the lungs and may cause pneumonia.

Chlamydia bacteria was only relatively recently discovered, because it is a difficult organism to culture in laboratories, and difficult to see under the microscope. It responds poorly to most common antibiotics. If a cat or kitten is Zinc Deficient, they will continue to get these infections. *

See Page 18-20

In cats “Chlamydia” is very common and a major health problem for breeders. It causes a flu like illness with sneezing, serous (clear) discharge from the nose and runny eyes. Some prominent Persian breeders feel that Chlamydia may be endemic in some catteries and is a contributing causes to the chronic runny eyes in their cats.

Some Vets feel (I agree) that Chlamydia is also a common cause of pneumonia in young kittens. Many of us have had kittens who seemed well until about two weeks then became ill, stopped feeding developed a rattly chest and eventually died.

This is probably **Chlamydia pneumonia.** (zinc deficient weakness) * See Page 18-20

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Also **RhinoPneumonia** are both infections that causes the “**Fading Kitten Syndrome**” which may affect kittens as young as 24 hrs on.

STREAM THERAPY

CLOSE YOUR CAT IN SHOWER ROOM, STEAM THERAPY 10-15 MINUTES EACH TIME – SEVERAL TIMES A DAY.



Mycoplasma pneumonia

as well as at least 7 other mycoplasma species have now been linked as a direct cause or significant co-factor to many chronic diseases including, rheumatoid arthritis, alzheimer's, multiple sclerosis, fibromyalgia, chronic fatigue, diabetes, crohn's disease, ALS, nongonoccal urethritis, asthma, lupus, infertility, AIDS and certain cancers and leukemia, just to name a few.

Mycoplasma is the smallest free-living disease agent found in humans and animals and is unclassified as either a **virus or a bacteria**, but possesses characteristics of both.

The microbes have no cell walls and were originally thought to be related only to several strains of pneumonia; however, researchers have now identified at least seven mycoplasma species, which may cause or be co-factors in other serious diseases. Due to their size and lack of cell walls, mycoplasma are capable of doing great damage to the body and treatment with antibiotics is generally ineffective.

* See AN024 Respiratory Set of Treatments.

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Felines fungal infection in lung.

Merck Veterinary Manual (pps 760-761) says that 40-45% of chronic, feline upper respiratory diseases are caused by Rhino virus, Herpes virus, Calicivirus, Chlamydia or Mycoplasma. **In other words, there are diverse causes of cat-lung problems.** I believe this is why semi feral kittens can be more susceptible to infection, from lack of colostrums from mum cat when first born till weaning, along with stress, trauma, malnutrition kittens and cats to semi feral kittens and cats ARE more susceptible to infections. We add a teaspoon of **Structured Colloidal Silver (this new type of colloidal silver works very well for viral infections)** to my semi feral rescue kittens milk, along with homeopathics remedies AND Zinc Picolinate powder, Colostrum in their meals as suggest in this document. Often their lymph glands are swollen congested, feel under their jaw/chin to check. We have the **HAMPL Swollen Lymph 171- 6 drops** to help with this lymph congestion and no doubt infection.

PREVENTION

Repeat twice a day. *If not eating due to viral infection add a dose to some filtered water or chicken broth or milk and oral dose small sips until dose is taken. Repeat twice to three times a day. If you have a kitten or cat that is not responding 100% to any of the herbal or homeopathic remedies, the chances are this pet is deficient in minerals.

Minerals is the foundation of health and permanent healing can't take place until the body has been provided with these vital supplements. If you have vaccinate a kitten or young cat before repair their immune system, more chronic or death will unfortunately are seen. We hear many rehome kittens and teenagers being returned to shelters or vets due to acute illness. As vaccinations severely deplete a pets immune system, let alone further shock to their system. Use safe homeopathic feline immunizations, or wait until kitten is older.

In 23 years of pet rescues on my property – we have never had a cat or dog or kitten acquire parvo, FIV, FeIV, FIP, cancer and so. Even when we have had looked after already sick kittens and puppies with infections, none of my own pets have injection vaccines or oral nosode immunizations. I keep them healthy through a diet and supplements that do not contain chemicals.



We have the most effective and “fast acting” treatment for acute severe infection is the **Liposomal Vitamin C**.

Liposomal Vitamin C Can quickly clear acute or chronic Respiratory infection with this type of vitamin C, please try it. You will be very impressed how effective it is.

Vitamin C is a ~ antibiotic~ anti-toxin~ anti-oxidant~ anti-histamine~ anti-viral~ anti-depressant.

Vitamin C is an exciting new vitamin c supplement utilizing **Liposomal Encapsulation Technology for maximum Bioavailability.**

This has a much higher absorption rate with over 90% of the cells being bathed in vitamin C.

Some experts suggest that liposomal vitamin C is vastly superior to IV vitamin C – an expensive but effective procedure that is done quite often in hospitals and alternative health clinics. This combination produces an advanced form of vitamin C which releases slowly over a period of time producing maximum cellular absorption of vitamin C.

Clinical trials have showed that this form of vitamin C, being coated with phospholipids allows up to 90% of the vitamin C to be absorbed by cells, due to the fact that the phospholipid coating resembles the body fats within the cell walls. This compares very favorably to about a 20% absorption rate of intravenous vitamin C into cells. The cell membrane blocks much of the vitamin C that is in the bloodstream from getting into the cell. The liposomal membrane is able to fuse with the same material and configuration that resides on cell walls.

This results in a lower minimal necessary dosage and saves a tremendous amount of money and stress to the consumer. Will not cause upset stomach or diarrhea (unlike other vitamin C's when having to take high doses). Liposomal Vitamin C is able to produce serum levels of Vitamin C nearly double those thought theoretically possible with any oral form of Vitamin C.

This is just a guideline or suggestion, please give more if not getting the results within 24 hours improvement.

Also please order the **STRUCTURED COLLOIDAL SILVER (*it is more effective for viral infections than the standard colloidal silver*) From USA website**

<https://www.thankyousilver.com/collections/silver/products/structured-silver-solution>

and also buy the

ProBoost powder (30 Satchels) in a box (immune boosting that targets virus)

www.proboostdirect.com

(add one satchel of powder twice a day in meals)



ORAL DOSING

Cat – Kitten (double dosing for large animals)

Add Vitamin C gel or Vitamin C liquid into approx. 20ml of fluids

FLUIDS best to use the "Structure colloidal silver. (or second best is Colloidal silver) add approx. 4ml of structure colloidal silver and 4ml of salmon juice from tin (juice from a tin of salmon in spring water from supermarket) then using a oral syringe, draw up the gel with some liquid and oral syringe small sips till 2ml is taken. * **Approx. 3ml (kitten) 3-5ml (all other pets) - repeating 6 times a day for the first few days to help clear the lungs. Do this until they are eating again and have energy. This is important.**

If eating then add below:

Probiotics and Immune Boosting

Add ¼ cap of Zinc Picolinate powder and below probiotics and Immune Boosting powder.

PROBIOTICS

1. **SB PROBIOTIC Capsules** which has "saccharomyces cerevisiae" (boulardii) 250 mg (5 billion CFU) A good brand is Henry Blooms) <http://www.henryblooms.com.au/products/sb-probiotic/>

IMMUNE BOOST

3. Add 1/2 -1 (or more) teaspoon IN MEALS of a strong immune boosting powder is **ProBoost Thymic Protein**. Order form: <https://www.proboostdirect.com/>

SB Probiotics (saccharomyces) doesn't need fridge either but so effective when needed). Animal probiotics are expensive, poor quality and shallow spectrum very often so no need to do that, we share similar biomes. **Don't get tooling up on differences between animals and humans in regards to the biome .. here is the mechanism ... it's all "one long tube". Mouth affects the gut, and gut affects mouth .. a bidirectional influence.**

The oral microbiome is an important part of the gut microbiome and tending to its balance should a routine part of any good "gut protocol." Indeed, dysbiosis of the oral microbiome (and a leaky oral mucosa) might be key underlying imbalances in the pathogenesis of systemic diseases, including autoimmune as well as cardiovascular disease.

Suggested Guide Animal Dosage

Working towards healing your pet's bladder, bowel, kidney and liver conditions, you need to supplement his/her diet with large amounts of probiotics (acidophilus, bifidus and other types of friendly bacteria). Start with small amounts and add to your pet's meals and increase as you go along.



Canine: adding 1/4 capsule of the powder, and mix well into meals. After a couple of weeks increase to ½ cap daily. Feline, toy dog, infant farm animal or other small animals: add a pinch and mix well into meals.

How long should I continue this Probiotic and Immune Boost?

Because intestinal bacteria should repopulate fairly quickly, 4 – 8 weeks of probiotic replacement usually suffices. (continuing need can signal that something else continues to disrupt resumption of healthy bowel flora that may require further investigation) If this probiotic is rough on you or your pets/animals gastrointestinal tract, reduce the amount for the first few weeks. At any time you or your pet/animal are put on a chemical antibiotic – please take this probiotic at the same time. **It takes 2 months to fully restore gut flora and immune system may take longer depending on each pet.**

PREVENTION

Add a teaspoon to meals and ¼ cap of the Zinc Picolinate Powder for all cats and kittens in the household. Contact us for larger bottles for catteries, shelters etc. If you have kittens eating and sharing one bowl, I would add two Zinc Picolinate powders from capsules into the meal twice a day for fast results and wellness adding protection to developing respiratory infections.

And Structured Colloidal Silver 4 ml and ProBoost powder and Probiotics - daily for cats and kittens in milk or meals.

Each time before oral dosing, apply the homeopathic

1. HAMPL VirusRespiratory 219-1 50ml (1.7oz) on body.

ORAL SYRINGE- VITAMIN C mix

Dose 5ml 6 times a day for the first few days, then upon improvement can reduce back to four times a day.



Offer fresh warm FRESHLY COOKED Barbeque chicken.

So they can smell it. As loss of smell and ulcers will prevent from trying to eat, also use other homeopathic formula drops on body (in conjunction with the oral dosing treatment) as required and according to symptoms to support body whilst healing e.g. eye ulcers, backend weakness etc

Cats with Chronic Rhinitis

are usually well in themselves but have a persistent discharge from the nose and sneeze.

Secondary bacterial infection of damaged tissue can cause chronic conjunctivitis, sinusitis and bronchitis (inflammation of the linings of the eye, sinuses and air passages). Conventionally, Antibiotic treatment usually only provides temporary relief of these symptoms as this is a virus not bacterial problem.

Feline calici virus (FCV) infection usually causes a milder form of cat 'flu with less dramatic nasal discharges. Characteristic mouth ulcers are sometimes the only sign of infection. The ulcers may be present on the tongue, on the roof of the mouth or the nose.

Some strains of FCV cause lameness and fever in young kittens (these can occasionally be seen after vaccination). Affected kittens will usually need pain killers through this time of acute illness after vaccine side effects.

Diagnosis by the veterinary surgeon is based on symptoms and laboratory tests. Testing for 'flu viruses requires taking a mouth swab which is then sent to a specialized laboratory where the virus is grown and identified.

Conventional therapies-there are no drugs available to kill these viruses.

This treatment includes antibiotics, to treat any secondary bacterial infections as these can be life-threatening, and drugs to help loosen the nasal discharge and make breathing less of a struggle. As cats with 'flu are often reluctant to eat, they may need to be tempted by offering gently warmed, smelly and palatable food. (cats will not eat unless they can smell their food, even if they are hungry) Conventionally, syringe feeding of liquid food can be tried if necessary, although caution is advised. Dehydrated cats may also need fluids given intravenously via a drip.

In Australia, chlamydia has found its way into the koala bear populations where it is a major cause of reduced fertility and declining populations. In kangaroos it causes blindness resulting in unfortunate animals hopping full force into trees and other solid objects resulting in stress, difficulty feeding and ultimate death. In many species, including felines and humans Chlamydia is a common cause of Respiratory Tract Infections - 'RTI', and **Upper Respiratory Tract Infections** - 'URTI'. URTI's cause nasal congestion and discharge and in cats runny eyes. RTIs affect the lungs



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and may cause pneumonia. Chlamydia was only relatively recently discovered, because it is a difficult organism to culture in laboratories, and difficult to see under the microscope. It responds poorly to most common antibiotics.

In cats Chlamydia is very common and a major health problem for breeders. It causes a flu like illness with sneezing, serous (clear) discharge from the nose and runny eyes. Some prominent Persian breeders feel that Chlamydia may be endemic in some catteries and is a contributing causes to the chronic runny eyes in their cats.

Some Vets feel (I agree) that Chlamydia is also a common cause of pneumonia in young kittens. Which is called "Chlamydia Pneumonia" Or Rhinotracheitis virus infection causing secondary infections in the lungs which is called "RinoPneumonia"

Many cat breeders have had kittens who seemed well until about two weeks then became ill, stopped feeding developed a rattly chest and eventually died.

It is quite often the cause of **Fading Kitten Syndrome** which may affect kittens as young as 24 hrs onwards.

This formula will treat both Chlamydia Pneumonia, Rhinotracheitis virus, and secondary infections in the lungs which is called "RinoPneumonia"

This prevent or quickly arrest this lung infection and treat without loss of any babies or adults. I would also give a dose to the adults once a week for 4 weeks just to make sure they are not a carrier of these virus's.

PREVENTION

See Product **AN199 Chlamydia Oral Nosodes as Prevention plus adding a teaspoon of Structured Colloidal Silver** to meals and milk and Zinc Picolinate powder (from capsule)

or

TREATMENT

Use the AN304 Chlamydia Respiratory Bacteria (and viral) infection Set In the meantime use Structured Colloidal Silver liquid

Put 4ml of the Structured Colloidal Silver in 4ml of pink salmon juice (from a tin of pink salmon in springer water)

ORAL SYRINGE SIDE OF MOUTH IF SICK.

For mum and kittens to drink daily. This is a natural antibiotic for a month or two. If eyes are affected apply Colloidal Silver liquid.

Eyes - topically, the solution can be used to clear eyes as often as needed each day, undiluted onto a piece of cotton wool

STREAM THERAPY

CLOSE YOUR CAT IN SHOWER ROOM, STEAM THERAPY 10-15 MINUTES EACH TIME – SEVERAL TIMES A DAY.



NATURAL MEDICINES that can be used in conjunction with the standard formulas.

LUNGS RESPIRATORY

Liposomal Vitamin C gel (in some water and oral dosing 6 of 2-5 ml in the one day for fast turn around. **And HAMPL Pneumonia Aid drops**

PAINFUL MOUTH OR TONGUE ULCERS – INFLAMMED GUMS

HAMPL Acute Gum Inflammation 11-2 and Gum Health 11-1 formula

EYE ULCERS

HAMPL Eye Pain 230-1 and HAMPL Eye Repair 230-2 drops.
(ulcers of the cornea and pain relief healing)

BACK LEG OR BACK WEAKNESS

HAMPL Backend weakness 64 drops.

HEART – *this virus puts a lot of pressure on the heart, we have found this remedy is needed to assist feeling well and to continue healing with less stress.*

HAMPL Congestive Heart 22-1 drops

CONGESTION SINUS – MUCOUS NASAL

HAMPL Elimination 6X mix drops (AN027-3)

NASAL BLOCKAGE (this can happen from chronic sinus respiratory infections, scarring, polyps)

HAMPL Nasal Blockage 62 50ml

LUNG OEDEMA

HAMPL LungOedema 112-2 50ml drops

and others search on website to find natural solution from your cat or kittens symptoms.

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See page 25-26 .. on Zinc Deficiencies cause many of the above symptoms



Naturopathic Nutritional Advice

The majority of inflammatory diseases start in your gut, and we also need to boost the immune system to heal and prevent chronic health conditions:

1. Add the powder from one (approx. 552mg) capsule (or ¼ teaspoon) of pure **Lysine amino acid powder** supplement. **Mix in daily meals.** Supports the immune system and helps sort out cat flu, feline herpes, respiratory and other virus. I buy my powder or capsules from www.iherb.com on the internet. NOW FOODS brand.

2. Probiotics and if a young cat or kitten also add Colostrum Powder which is also very very important, helps gut flora and general gut health. The gut is the main protection for health. PET DOSAGE: Add a pinch in meals for cats, toy dog, and other small animals. Half powder from the capsule for small to med canines and a full cap of powder for large canines. For 2 months treatment. (It takes 2 months to restore gut flora to maintain a pets strong immune to infections)

The majority of inflammatory diseases start in your gut.

3. Zinc Picolinate Capsule (mineral) will help lower inflammatory reactions to a neurotoxin produced by viruses in the herpes family. Add the powder from the capsule to the liquid oral mix, herbs, Liposomal Vitamin c and a pinch of slippery elm powder.* Along with herbal treatment with Liposomal vitamin c orally every 2 hours of 3ml (6 times in one day), and homeopathic applied to body same time. Following day you will see a much happier cat or kitten. Continue same again or less frequent if the infection was not so severe.* if you are needing extra help or stronger formulas please contact our practitioners on-line service 24-7 support. We can also work out an individual healing treatment for your cat or kittens or other animal or pet.

4. Magnesium liquid called "ReMag" * Viral and Bacterial Diseases - Magnesium supplement has a unique healing power on acute viral and bacterial diseases.

5. Minerals liquid called "ReMyte"- Mineral Solution (12 mineral combo) You can find these wonderful supplements from another supplier, we do not stock these. www.rnareset.com, or if you don't have a computer, at 888-577-3703 (USA) Hours of availability: Monday to Friday: 9am-6pm EST.

6. ProBoost powder (30 Satchels) in a box (thymic protein a to enhance proper immune system function - also targets virus) www.proboostdirect.com (add one satchel of powder twice a day in meals)

And this is why semi feral kittens can be more susceptible to infection, from lack of colostrums from mum cat when first born till weaning. I add a teaspoon of **Structured Colloidal Silver** to my semi feral rescue kittens milk, along with homeopathics remedies in their meals as suggest in this document. As these kittens have a viral infection and have mild systems which are being addressed. For cats as they do not drink fluids very often, we can dilute in a little water and add to meals or add 1 teaspoon straight from the bottle into milk drink. Repeat twice a day. *If not eating due to viral infection add a dose to some filtered water or chicken broth or milk and oral dose small sips until dose is taken. Repeat twice to three times a day.

Feline Viral Infections

Most cat URIs are caused by infection with one or both of the cat flu viruses:

1. Feline calicivirus (FCV)
2. Feline herpesvirus (FHV or FHV-1, formerly known as Feline Rhinotracheitis virus)
3. Feline Chlamydia (aka feline chlamydia).

Upper Respiratory infection in Cat or kitten - (bacteria or both viral and bacterial)

NOTE: Many cats with this BACTERIAL Infection "Chlamydia bacteria" will also have a VIRAL Infection .. such as Calci Virus or Feline Herpes Virus.

1. Feline CaliciVirus

Feline calicivirus (FCV) causes a variable syndrome of "upper respiratory tract" infections, mouth ulcers - ulcerations on the tongue (e.g. oral ulcers, stomatitis & vesicular stomatitis virus) and lameness. * [See page 15 Stomatitis treatment \(mouth ulcers\)](#)

A few key facts about "feline calicivirus" in general (FCV infection is common even in healthy cats) Up to 25% of asymptomatic cats from multiple cat environments such as shelters and catteries, and up to 8% of pet cats, will be shedding FCV from the oral cavity at any given time. As many as half of all upper respiratory infections are caused by FCV. During acute disease from any strain - virulent or otherwise - FCV can be recovered from the oral cavity, conjunctiva, blood and/or feces. We cannot eliminate FCV from multiple cat environments, nor exclude it from veterinary clinics. Using natural antibiotics and anti viral treatments are working on immune support as well, which presents a more thorough healing. FCV infection is often chronic: as many as 50% of cats will still be shedding FCV for 75 days after recovery from acute disease. Some cats will shed for years or even for life. Chronically shedding cats may transmit infection, but a risk is substantially decreased once all clinical signs have resolved, simply because there is less drool, snot, etc. to carry the virus. FCV causes extremely variable signs: as noted above, some strains cause no signs at all.

Others manifestations of FCV include:

mild upper respiratory infection - without oral ulceration (indistinguishable from URI due to herpes viral infection); **limping with or without URI signs;**

mild to very severe oral ulceration/ faucitis / ulceration of the esophagus with or without

URI signs; systemic signs such as fever, anorexia and lethargy in combination with one or more of the preceding signs; pneumonia; and virulent systemic calicivirus.

Not all strains of FCV that cause severe disease are truly "virulent systemic FCV".



Two strains may produce a transient “limping syndrome” without signs of oral ulceration or pneumonia.

Feline Calici Virus (CV) does not always act alone:

Even relatively mild field strain FCV in combination with other pathogens – most notably Bordetella bronchiseptica and feline panleukopenia – can cause severe disease, including pneumonia and death. If you start natural medicines quickly, then less likely to be fatal. Not all cases of oral ulceration / URI followed by severe infection and death are VS-FCV!

In fact, it is much more common to diagnose panleukopenia with FCV or another respiratory pathogen than it is to find VS-FCV in outbreaks of URI with high mortality even with vaccinated cats. This is because two targets are available for control; panleukopenia is much easier to control than calicivirus because the homeopathic "oral nosodes" is highly effective and there is no carrier state.

What are the symptoms of a Calicivirus infection?

The typical symptoms of an "upper respiratory infection" involve the nose and throat, causing symptoms such as sneezing, nasal congestion, oral ulcers, conjunctivitis (inflammation of the membranes lining the eyelids), and discharges from the nose or eyes. The discharges may be clear or may become purulent (containing pus).

NOTE; Many cats with the virus "Calicivirus or Feline Herpes", also can have the bacterial infection Feline Chlamydia (chlamydophila) **See Feline Chlamydophila 304 Set of Treatments**. We can combine for both Virus and Bacterial Infections.

Cats with a calicivirus infection often develop oral ulcers!

In addition to these typical symptoms, cats with a calicivirus infection **often develop ulcers** on the tongue, hard palate, gums, lips or nose; cats with ulcers in the mouth will usually salivate or drool excessively.

Symptoms that are not specific for an upper respiratory infection include:

anorexia,
lethargy,
fever,
enlarged lymph nodes
and blepharospasm (squinting).

Some caliciviruses are non-pathogenic.

Some induce little more than salivation and ulceration of the tongue, hard palate, or nostrils; others produce respiratory diseases such as pulmonary edema and interstitial pneumonia. Clinically, it is often impossible to differentiate FHV (cat influenza) from FCV infection (feline Calicivirus infection).



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STOMATITIS - Mouth Ulcers

This is a condition that results in severe gingivitis, mouth ulcers and tooth loss. It can be exacerbated by stress, and can occur in cats of any age, but is primarily seen in young adult and older cats. Some kittens may have juvenile gingivitis, but this can be outgrown by two years of age. It is a tricky condition (stomatitis) often from a lot of stress and lack of real nutrition these rescue kitties do have issues. But it is treatable using minerals and vitamins, avoiding chemical toxins that further stress the immune system. Having all the teeth removed is not the answer as the gums and health issue has not been resolved correctly. (Your cat or kitten will still have inflammation and pain even if no teeth are left) **As people believe its feline herpes virus causing inflammation** (so we also add Lysine amino acid supplement for this virus) * This condition can take months to heal, but it will, and teething pulling will be unnecessary.

HEALING

Repeat on body [1. HAMPL Gum throat Ulcer 11-1 drops](#) frequently if needed to help relieve pain. * If needing extra help request the [homeopathic Pain Eze 32 DROPS](#), apply drops on body every 5 minutes up to 6 repeats. Repeat anytime if needed.

[2. HAMPL Infection Inflamed 11-2 50ml](#) Contains herbal liquid extract (is the brown liquid) *Add approx 60 drops (2 teaspoons) in a 500ml glass jug filled with boiled hot water, stir. Allow to cool. Also stir in several drops of the [homeopathic Bottle no 1. HAMPL Gum Throat Ulcer drops](#).*

DRINK - if you cat or kitten drinks milk... add 1/3 cup of herbal mix into milk dish and 1/4 cup of milk (if need to add a bit more milk do so)

FOOD- Every meal time—offer 1 [small tin of cat food](#) (85gm tin) e.g Fancy Feast by purina" the "Gourmet" (soft food) no chunks. Using a dinner plate, so food is spread out for licking up. Mash tin food if needs it to make soft and mushy, with no big lumps then add approx. 1/4 cup of the herbal mix to this, or enough to make the meal very runny. * [If you cat prefers human grade "fresh turkey or beef or chicken mince"](#) or prefer diced "[fresh chicken](#)" use breasts and pour 1-2 tablespoons of herb mix (cut tiny slithers) so cat lick up and not have to bit or chew it—pour a couple tablespoons over fresh thinly sliced chicken. [Repeat twice or more times a day as your cat will start to eat more often when gums start healing.](#) If your cat does not want to eat mushy tin food, try [fresh chicken breast](#), and cut with sharp scissors into small slivers so they can lick it up without needing to chew the meat. Pour some herbal liquid in a flat medium size dish with the fresh small mouth size chicken.

* Also very important to buy the two below minerals

[Mineral Element and Celloid Therapy](#) - to build up the foundation of health.

[Mineral Therapy](#)

1. Active Elements - Active 7.1 Tablets

[DOSAGE FOR ALL SPECIES AND AGES](#)

Crush several or more tablets (*I use a mortar and pestle*) and store in a sealed container or small glass jar. Add a good pinch of the powder to every meal and milk drink given. On going until health improves 100%.

[Example - where to purchase](#)

<https://www.maximumwellbeing.com/shop/Active+Elements/Active+Elements+-+Active+7.1.html>

Celloid Therapy

2. Blackmores Celloids C.S. 36 tablets

Celloid actions and indications

Calcium sulfate (C.S) is used for long-standing or suppurative stages of infection and/or ulceration. It is often prescribed for abscesses, acne, ulcers and boils—particularly if there is thick, lumpy, purulent mucous and discharge. Calcium sulfate can assist in wound healing— to promote rapid repair and healthy granulation.

DOSAGE FOR ALL SPECIES AND AGES

Crush several or more tablets (*I use a mortar and pestle*) and store in a sealed container or small glass jar. Add a good pinch of the powder to every meal and milk drink given. On going until health improves 100%.

Example- where to purchase

<https://www.pharmacydirect.com.au/product/blackmores-professional-celloid-cs-36-tablets-84-053902.aspx>

2. Feline Herpesvirus

(FHV or FHV-1, formerly known as **Feline Rhinotracheitis Virus**)

Rhinotracheitis is a common, sudden (acute), Herpes virus infection of cats. It is characterized by sneezing, inflammation of the nasal passages (rhinitis), fever, and eye infection. Inflammation of the windpipe or trachea (tracheitis) sometimes occurs.

Rhinotracheitis means inflammation of the nose and windpipe (trachea).

Use the homeopathic formulas:

HAMPL Trachea 189-1 drops and HAMPL Congestive Heart 22-1 drops and the HAMPL LungOdema 112-2 drops etc. **HAMPL Nasal Blockage 62 50ml** (throat and sinus –pain, scarring, congestion)

Along with herbal treatment with liposomal vitamin c orally every 2 hours of 3ml for a kitten (5ml adult cat) (repeat 6 times in one day), and homeopathic applied to body same time. Following day you will see a much happier cat or kitten. Continue same again or less frequent if the infection was not so severe.

What causes Rhinotracheitis symptoms in cats?

Rhinotracheitis or feline rhinotracheitis (FVR) is caused by the feline herpesvirus type 1 (FHV-1). The virus enters the body in three ways: by ingestion, by inhalation via the nose, or by contact with the eyes. Mother cats (queens) can infect their kittens. The incidence of FHV-1 infection is high, especially in facilities and shelters with multiple cats. Cats may be stressed by a number of conditions, such as physical conditions (example, overcrowding or cold) or psychological conditions (example, the introduction of new cats into a household). Other infectious diseases can make the cat more susceptible to feline herpesvirus type 1 (FHV-1).

Cats that have recovered from rhinotracheitis are carriers of the virus if treated with drugs, however,



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using specific homeopathic nosodes and natural infection fighter remedies, we find has often completely cleared the virus from the body. We see this with no more obvious symptoms of Veterinary lab blood test results.

Signs of rhinotracheitis in cats?

Signs of rhinotracheitis generally involve the upper respiratory system.

Symptoms the onset of the condition usually is sudden (acute), with attacks (paroxysms) of sneezing. A clear, pus-containing (purulent), or blood-tinged discharge from the nose is seen.

Coughing may occur. The eyes may be red with watery or pus-containing drainage; frequently, the cat will close its eyes. Some cats will develop characteristic **corneal ulcers**. The cat will eat poorly or not at all. Recurring upper respiratory infections in older cats are signs of feline herpesvirus type 1 (FHV-1) infection. Abortion also is a sign of infection.

Example below remedies.

Please see other Naturopathic remedies for many symptoms that may be present.

HOMEOPATHIC CLINICAL FORMULAS drops placed on the back of shoulder blades.

~ **HAMPL Acute Gum Inflam 11-1 drops** (to heal ulcers in gums or on tongue or throat)

~ **HAMPL Infection inflamed 219-4 50l herbs** (or **AN011-2 Infection Inflamed 50ml**)

~ **HAMPL AsthmaLung 091-1 drops** (sudden acute sneezing attacks and breathing issues)

~ **HAMPL Trachea 189-1 drops** (inflammation of the windpipe or trachea (tracheitis) sometimes occurs. Rhinotracheitis means inflammation of the nose & windpipe (trachea)

~ **HAMPL Eye Pain 230-1 and HAMPL Eye Repair 230-2 drops.** (corneal ulcers of the cornea and pain relief healing)

~ **HAMPL Congestive Heart 22-1 drops.**

* Along with herbal treatment with Liposomal vitamin c orally every 2 hours of 3ml (6 times in one day), and homeopathic applied to body same time. Following day you will see a much happier cat or kitten. Continue same again or less frequent if the infection was not so severe.

Kitten

These infections often occur in kittens after being vaccinated with the "live virus" of the infections FCV strains that produce the "limping syndrome."

Serous rhinitis and conjunctivitis also can occur.

Acutely affected kittens and cats can become very sick, often develop fever, conjunctivitis, rhinitis (although both conjunctivitis and rhinitis are more typical of FHV infection than FCV), and vesicular stomatitis, including glossitis, fasciitis, and palatitits. Vesicles rupture within hours or days; therefore observation of small inflamed, painful erosions is more typical.

* If you have kittens, then also they will need a Heart Support **HAMPL Congestive Heart 22-1 drops.** In conjunction with the other viral and bacterial treatments.

STREAM THERAPY

CLOSE YOUR CAT IN SHOWER ROOM, STEAM THERAPY 10-15 MINUTES EACH TIME – SEVERAL TIMES A DAY.



3. **Feline chlamydophila** is part of the feline upper respiratory disease complex, which is a group of viral and bacterial infections.

*** See HAMPL Feline Chlamydia 304 Treatment Set formulas.**

These two viruses are thought to be responsible for more than 90% of URIs in cats. Other important organisms that may be involved in some cases include:

- ~ Bordetella bronchiseptica (may be a cause of sneezing, nasal discharge and sometimes coughing – important in some colony situations)
- ~ Chlamydophila felis (this is mainly a cause of ocular disease – conjunctivitis)

Feline Herpes related virus is the "Cytomegalovirus"!

"Cytomegalovirus" (also known as CMV, is related to the Herpes Virus, also called Feline Viral Rhinopneumonitis (FVR), Rhinotracheitis virus and Feline Herpes virus type 1 (FHV-1).

CMV - It is one of the most common causes of upper respiratory infections in cats. These remedies are also suitable for Upper Respiratory Infections equine herpes virus, feline herpes virus, feline calicivirus. Use as a protection or a natural solution to or from a secondary lung infection (Pneumonia eg Streptococcus pneumoniae bacterial infection), Rhinotracheitis, Canine (Rhinotracheitis) young or old or pregnant animals.

*** Rabbits (snuffles) with symptoms and diagnosis.** This formula has the lung pneumonia treatment or prevention assisting kittens who may get or have a secondary infection that spread to the lungs, which if not treated quickly, the outcome can be fatal with infants.

STREAM THERAPY

CLOSE YOUR CAT IN SHOWER ROOM, STEAM THERAPY 10-15 MINUTES EACH TIME – SEVERAL TIMES A DAY.



For limping kitten syndrome, Flat Chested Syndrome. (i.e. pneumonia lung infection).

Refer to: HAMPL Pneumonia 112 formula Set AND HAMPL Congestive Heart 22-1 drops

Pasteurella Bacterial Infection in Cats.

These strains produce a transient fever, alternating leg lameness, and pain on palpation of affected joints. Pasteurella sp are a genus of zoonotic bacteria (meaning they can be passed between animals and people). There are a number of species and subspecies, but all are quite similar. They are a natural inhabitant of the skin, digestive tract and oral cavity of cats, but can cause disease under the right conditions. The bacteria can spread from cat to cat when aerosolized (by way of coughing or sneezing). It can also spread through bite wounds (when saliva enters open wounds). The result can be abscesses or an infection in the bloodstream (septicemia) which can result in serious or even fatal repercussions.

Pasteurella may cause:

A lower-respiratory-tract infection (pneumonia) which is often fatal, if not treated with herbal or homeopathic medicines as soon as possible.

Ear infections

Nasal and sinus infections

Eye infections

Joint infections

Infection of the covering of the brain and spinal cord.



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SEMI FERAL CATS AND KITTENS - RUNDOWN RESCUED CATS IN POOR HEALTH

However, cats who lived in the city and had to survive by eat old contaminated scraps of food with no protein or just kibble (without protein cats and kittens will not survive or thrive – lack of taurine in protein is critical). **Kittens born** to their parents will have health issues and shorten lives unless we provided the missing minerals and amino acids.

Taurine deficiencies - Shortness of breath, Loss of appetite, Lethargy, Poor vision- blindness, Rough looking coat, Dental problems, Poor growth.

Felines need to eat quality protein (fresh RED meat primary with CHICKEN, TURKEY meat, occasional fresh fish once or twice a week, anymore they become fish junkies, also feeding tuna can cause thiamine deficiency. .not good for their health missing vital amino acids) so feeding cooked or raw fresh meat we will also need to be supplement with minerals.

We have found this through experiences, many are deficient in vital minerals to help them grow and stay healthy. If you are a rescue shelter or have a rescued kitty or cat, then look into supplementing your cat or kittens diet, even though they maybe getting a fresh meat diet now, it will help, but they need that extra support with this mineral now.

* Also very important to buy the two below minerals

Mineral Element and Celloid Therapy - to build up the foundation of health.

Mineral Therapy

1. Active Elements - Active 7.1 Tablets

DOSAGE FOR ALL SPECIES AND AGES

Crush several or more tablets (I use a mortar and pestle) and store in a sealed container or small glass jar. Add a good pinch of the powder to every meal and milk drink given. On going until health improves 100%.

Example - where to purchase

<https://www.maximumwellbeing.com/shop/Active+Elements/Active+Elements+-+Active+7.1.html>

Celloid Therapy

2. Blackmores Celloids C.S. 36 tablets

Celloid actions and indications

Calcium sulfate (C.S) is used for long-standing or suppurative stages of infection and/or ulceration.

It is often prescribed for abscesses, acne, ulcers and boils—particularly if there is thick, lumpy, purulent mucous and discharge. Calcium sulfate can assist in wound healing— to promote rapid repair and healthy granulation.

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Example- where to purchase

<https://www.pharmacydirect.com.au/product/blackmores-professional-celloid-cs-36-tablets-84-053902.aspx>



Arginine and Taurine cats cannot live without.

Deficiency of Amino Acid Taurine in Cats. Taurine deficiencies symptoms - Shortness of breath, Loss of appetite, Lethargy, Poor vision- blindness, Rough looking coat, Dental problems, Poor growth. This particular Amino acids are building blocks for proteins and essential to the proper functioning of most of the body systems.

... Lack of this amino acid results in severe health repercussions, such as blindness and tooth decay, amongst other things. **For example:** a host of metabolic and clinical problems, including feline central retinal degeneration and blindness, deafness, cardiomyopathy and heart failure, inadequate immune response, poor neonatal growth, reproductive failure, and congenital defects.

Unlike Arginine, a taurine deficiency usually takes some time to develop. Symptoms can take 4- 5 months or more to appear. This essential amino acid is only found in foods of animal origin, such as meat, egg yolk and fish. ... if a person chooses to cook the meat for their cat or kitten (or runt of litter), it should really be done in a small amount of water so that it can all be incorporated back into the food.

Cooking MEAT for cats, by itself does not change the amino acid in anyway.

It just leeches the taurine out from the meat into the water. From my own experience for me, when in my care... some of the kittens or cats (semi-feral) whom have been born from parents who were living in the city for sometime and eating whatever they could find (no fresh meat, prey) seem to inheritably pass down to the new born acute malnutrition of vital nutrients.

Acute Malabsorption (intestinal damages)

is seen in some of them, and what we see is a very damaged immune system response, and as the weeks and months go by degenerative conditions start appearing. Even when feed raw or cooked meat and nutrition, the ability to absorb the protein from meat may be inhibited. If they show symptoms of anything they were always treated with non toxic medicines.

.. I used homeopathic Glaucoma drops, conjunctivitis drops were needed when only a couple of months old.

Then a bit later respiratory infections developed (the sickest kitten I gave herbal formula with sl-orally), and then a few months later all kittens developed stomatitis (lots of **vitamin C** daily in milk drink and **ProBoost powder (IMMUNE BOOSTING)** 1 satchel of powder twice a day in meals-takes 2-4 months to heal, depending on the severity). If you oral syringe liquid vitamin c twice a day the stomatitis goes much quicker, this had to be done for the kitten that did not drink milk. So use what is needed in the homeopathic range along with healing nutrition.



... on going homeopathic Intestinal Wormer, Bioplasma drops (Infant Support), Immune support drops in food and milk drinks and the (below) Mineral Element and Celloid Therapy - to build up the foundation of health.

Mineral Therapy

1. Active Elements - Active 7.1 Tablets

DOSAGE FOR ALL SPECIES AND AGES

Crush several or more tablets (*I use a mortar and pestle*) and store in a sealed container or small glass jar. Add a good pinch of the powder to every meal and milk drink given. On going until health improves 100%.

[Example - where to purchase](#)

<https://www.maximumwellbeing.com/shop/Active+Elements/Active+Elements+-+Active+7.1.html>

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[Example- where to purchase](#)

<https://www.pharmacydirect.com.au/product/blackmores-professional-celloid-cs-36-tablets-84-053902.aspx>

Colostrum powder, a pinch of Zinc Picolinate

(really helps for runt or retarded growth in young ones)and Liquid Vitamin C (bioceutical), magnesium and mineral drops in milk drinks daily. Or oral syringe if need be, as not all cats or kittens take to drinking milk My recent litter that a Vet gave to me, at the beginning of this year (2018) is the only litter from this rescue group area that have survived longer than 2 months. (except for one) the runt of the litter boy passed 2 weeks ago at 7 months of age, I believe the damage already down when a newborn was irreversible. As he grew he just could not put weight on or stay well. The other litters were given chemical drugs and chemical food, and didn't live longer than 2 months, sadly. My thoughts are .. If we can give the amino acids in liquid form, it would be better assimilated than if it was food or solid for that goes through the gut to break down. Plus diluted Herbal Medicines with Liposomal Vitamin C liquid and magnesium and mineral drops, can really help – if the cat or kitten is struggling to maintain wellness. Raw pureed organic Beef liver – provides vitamins and minerals like- Iron, selenium, bioavailable copper etc



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Twice a week and tablespoon add to meals or on its own. Or add Desiccated Organic Grass Feed Beef Liver capsules (powder from cap) half a cap once a day in meals.

STUDIES on Taurine content in foods [1989]

Pasantes-Morales, H. (Universidad Nacional Autonoma de Mexico, Mexico) Quesada, O. Alcocer, L. Olea, R.S. Abstract

- The tested to see the taurine content of foods like ... fruits, vegetables, seeds, nuts, cereals, meat, seafood, and dairy products was examined in this study.

Results Show

1. The highest concentration of taurine was found in clams and octopus (41.4 micromoles/g and 31.2 micromoles/g),
2. Followed by shrimp and fish (12.4 micromoles/g and 9.1 micromoles/g). (not tuna)
3. Taurine concentration in chicken leg was 6.6 micromoles/g and in chicken breast was only 1.4 micromoles/g. then
4. Beef, and lamb meat contain taurine in concentrations ranging 3.5-4.0 micromoles/g.

No taurine was found either in hen eggs (yolk or white) or in dairy products or in honey.

Taurine was undetectable in fruits and vegetables.

~ Shellfish – Excellent sources of Taurine, with high levels in clams, scallops, krill and shrimp. ~ Fish – Cold water fish such as sardines or salmon are excellent, natural sources of Taurine that cat's love.

~ Meat – All meat contains Taurine, however - "dark poultry" meat being one of the best sources e.g chicken legs.

- Natural Taurine supplements suitable for cats – Fresh or low-temperature dried seaweed, freeze-dried krill or shrimp. Our cat is fed both freeze-dried krill and a seaweed/algae mix on a regular basis.

- High amounts of taurine can also be found in the dark meat of turkey and chicken, cow's milk.

Taurine is one of the most important essential amino acids for the proper functioning of a cat's heart muscle, vision, digestive and reproductive system. Unlike other mammals, cats do need this amino acid to be present in their organism.

Unfortunately, cats cannot synthesize sufficient amounts of taurine from other amino acids for their body to properly function. Taurine deficiency can be detrimental to your cat's health and cause blindness, heart or growth problems as well as deficiencies of the nervous system.

Kittens born with deficient taurine will not do very well to die no long after being born.



Deficiency in Arginine can bring death within 3-4 days.

* Foods that has arginine Turkey.

You'll find the highest amount of arginine in turkey breast, then next is Chicken, Spirulina. Dairy. A Taurine and Arginine Supplement for Cats. Life Extension, Cat Mix, Advanced Multi-Nutrient Formula, 3.52 oz (100 g)

This supplement has "acidic" synthetic vitamin C, so I don't recommend it a long term supplement.

But it could be very helpful initially for assisting malnutrition kittens and cats (even when they look fine initially) as they grow or added stresses for teenagers or adult cats, they will still need this initial support, so they can hold their own and not keep having re occurring or chronic viral infections and skin and eye issues etc



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Zinc (mineral) Supplement

How important is Zinc? **Very important** .. If you cat, kitten, puppy or dog have some or many of the below issues then now is the time to add some Zinc into daily meals.

RESPIRATORY - Mouth ulcers, diarrhea, low immunity, chlamydia bacterial infection (internally or eyes), sinus or flu, bronchitis, emaciation, vomiting, debility, poor health in general, retarded growth, and tendencies to have allergies, abscess type sores, or little scabs here and there, slow healing sores and recovery from illness, prostate problems in older canines.

ALLERGIES - tendencies to have allergy reactions to foods, grass or other inhalants etc

EYES - conjunctivitis or corneal inflammation

SKIN - Mange (skin mites), ringworm, unhealthy looking skin, dry skin poor coat, skin sores, skin allergies issues, extra zinc is required until skin is healing and good health has resumed. Then reduce to zinc a couple times a week for a little longer.

BACTERIAL INFECTION- e.g. **Chlamydia bacterial infection** is usually harmless unless you or your pet are Zinc (mineral) deficient. As this infection seems a common occurrences with infant kittens and teenager cats, this would be pointing the fact that this maybe a common deficiency amongst our feline friends.

Especially the malnutrition cats and kittens that have had a lot of stress – breeders, rescue centers and other life saving pet rescue groups.

This mineral helps in fighting off infections and also helps in the production of cells in the body. It boosts the body's immunity and helps to heal wounds and injuries faster. It helps the kitten or puppy to grow. e.g. runt of the litter. E.g. Malnutrition mum and kittens, frequent infections, and appetite and weight loss.

Prolonged deficiency then starts to show more serious signs.

In the skin, deficiency causes a disruption to normal cell division, and the skin becomes dry and flaky. As it progresses, the skin can become grossly thickened and scaly looking (hyperkeratosis), similar to human psoriasis. Hair growth is also retarded, and eventually hair-loss spreads over the body (alopecia). In conjunction with the skin changes, the entire animal's immune system is severely depressed, and secondary bacterial skin infections and pustular dermatoses occur, along with increased susceptibility to all manner of bacterial and viral infections.

Poor wound healing is also a **notable sign, as is damaged and brittle nails, and thickened and crusty nasal pads and digital pads.** Deficiency of zinc during pregnancy and foetal development can lead to severe growth retardation, limb abnormalities, swollen joints, and poor skeletal formation. Brain development is retarded, and learning and cognitive functions are inhibited. **Long term deficiency can result in premature ageing, senility (cognitive), vision loss (especially night blindness), and hearing loss.**



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Types of Zinc Supplements

There are several types of zinc supplements, some better than others, that can be purchased most anywhere. **Some types of zinc supplements include:** Zinc sulphate (which can cause stomach irritation), Zinca chelate Amino acid (which may be a little expensive), Zinc gluconate (which is a good type). **Some types of zinc that are best absorbed include:** zinc citrate capsules, zinc acetate capsules, zinc picolinate capsules, zinc orotate capsules. * We, personally recommend and use the **Thorne Research brand- Zinc Piconate 30mg Capsules.**

DOSAGE - SUGGESTED THERAPEUTIC DOSING

Kitten, Teenager, Cat - Open capsule and mix in ¼ of the powder into a kitten's meal twice a day. Or, if, say you are feeding say 4 kittens in the one bowl add 1 full powder of the capsule.

Puppy - Add ½ capsules of powder to meals twice a day.

Adult dog- Add 1 capsules of powder to meals twice a day

There seems to be a pattern I have noticed with rescue groups and kittens, they have symptoms of mineral deficiencies.

Zinc deficiency - affects many other hormones, and can be involved in hypothyroidism, diabetes, and dwarfism. Its effect on suppressing the immune system has also been documented to prove that it makes animals more susceptible to developing a large range of degenerative diseases, including cancer.

The first, and most easily missed, sign of zinc deficiency is reduced appetite and gradual weight loss. During early post-natal development, the puppy's immature immune system begins forming from bone marrow tissue. These immature immune cells leave the bone marrow and migrate to the Thymus gland, where they are "educated" to become mature immune cells (called thymic cells or "T" cells).

These T cells are responsible for a significant part of the immune system, and are able to differentiate between normal body cells and "foreign" cells (i.e bacteria, viruses, fungi, and cancer cells).

The T cells are critical to normal immune function (these are the cells destroyed by the HIV virus leading to immune failure). Zinc is essential for the growth and development of the thymus gland, and for the proliferation and "education" of T cells.



FELINE DIET

Diets high in fresh red and white meats should not require additional zinc supplements. Zinc is important because it is heavily involved in enzyme function and protein digestion.

The two nutrient headliners are proteins and fats followed by a supporting cast of key minerals and vitamins. Much has been declared by feline experts about our cats' true identities as obligate carnivores — aka meat eaters. But let's delve deeper into the building blocks of protein: amino acids. The amino acids are responsible for making antibodies and hormones, providing energy and aiding in growth and development.

It turns out that cats can only produce 12 of the 23 amino acids they need. The rest must come from being fed a quality animal-based protein diet. Two must-have amino acids that cats cannot produce are **taurine and arginine**. Taurine is essential for heart and muscle health, while arginine draws applause for helping the liver to remove ammonia. An arginine deficiency can result in neurologic symptoms. The only available sources of taurine and arginine are found in quality animal-based protein diets and not plant-protein based diets. Good sources of these amino acids are beef, chicken and fish.

Most meat contains adequate amounts of taurine. **Tuna does not.** Other than as an occasional treat, tuna is very bad for your cat because it will suffer taurine deficiency. Why tuna, of all fish, is so low in taurine is one of biology's mysteries.

~ **Commercial cat foods consist of around 4%** of the named meat, the rest is mystery protein. There's enough of the named ingredient that it smells of that ingredient to you. So tuna-flavour cat food (only 4% tuna) is fine, because the taurine comes from the mystery stuff. Human-grade tuna, being near 100% tuna, on a regular basis is not good for your cat. Most premium commercial pet foods have zinc added to the ration, however, the damage/loss during heat processing may have very little minerals and vitamin in it.

~ **Dry kibble is the worst offender in a pet's health, it's like feeding them cardboard each day.** Dry foods often rely on plant-based sources to comprise much of the protein in the food. In foods that have primarily plant-based protein sources, a chemically derived taurine supplement. Cats who don't have a thirst drive cannot get enough water from eating dry food alone. Their urine becomes concentrated, and their kidneys have to work hard to keep from becoming dehydrated. That's why cats on dry foods are more likely to develop urinary crystals and stones,



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and it may be a contributing factor to kidney disease."

~ For home prepared diets, additional zinc, in the form of Zinc Picolinate, can safely be added at a rate of 10mg per 25kg bodyweight daily which is below the therapeutic amount for healing. It is important to add Magnesium drops or powder as well, so the Zinc is not an issue we a pet has alot of hidden stored calcium (that is not being absorbed or distributed through the body) this calcium issue happens when we don't get enough of the mineral magnesium. Magnesium helps balance out and absorb calcium deposits.