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### **Transitional Cell Carcinoma Cancer Therapy in Dogs:**

The following recommendations help slow the progression of cancer in your pet, this is not an all-inclusive list, but a guideline:

Generally, for this type of cancer surgical removal is the best way to remove or reduce the growth of this cancer. Many times, if the surgery is unsuccessful it still slows the growth of the cancer. The cost of the surgery is approximately \$2,200 - \$2,800 and requires an abdominal surgery. Medical management is another option to slow the rate of growth of this cancer and prevent secondary urinary tract infections.

1. Antibiotics- long term antibiotics as necessary (or at least until surgery) to prevent secondary infections. We generally recommend doxycycline, enrofloxacin, and/or amoxi/clav for long term antibiotics, as these are typically good for urinary tract infections. We also recommend rotating the antibiotics every month to prevent resistance. Another option is Convenia- This injection of antibiotics can help with secondary infections from the suspected cancer. These may be given on an as needed basis if not acting normal.
2. Metacam or Piroxicam- may be recommended for bladder cancer and mouth cancer. This should be given for life.
3. C/D prescription diet- this food helps prevent urinary tract infections, reduces stones/crystal formation, and generally will help flush out the bladder. This will typically reduce infections by 80%.
4. High dose omega 3 fatty acids (DHA, EPA)- We recommend Welactin (260 mg/ml) If diarrhea develops the dose should be decreased, then slowly increased over a 2 to 4week period. We recommend 10 mg per pound. For example, a 50-pound dog will get 500 mg per day.
5. High protein diet- meat products (chicken, salmon, tuna, turkey), vanilla ensure, milk (KMR), meat baby foods, etc.
6. Do not give large amounts of simple sugars and carbs- no fruit juice, no sugar, no cereals, etc.
7. Pet-tinic, or some type of multi-vitamin. - this is a vitamin that helps to boost the immune system.
8. Artemisinin- may be purchased from holleypharma.com - give 100 mg capsules for life (for the first week give 1/2 capsule then increase to full capsule for life. Give with cream cheese 30 minutes prior to feeding. Do not give with red meat or liver.
9. Hemp-RX - give 0.2-1.1 mg/lb 2 times daily to help with appetite
10. PSP I'm Yunity - 110mg/lb 2 times daily. This is a mixture of medicinal mushrooms, shown to help slow down cancer growth, decrease side effects of chemotherapy, increase energy, and appetite. It comes in a capsule, but the capsule can be opened and sprinkle the powder onto their food.
11. An Ozonated Saline Flush of the bladder may be used as a way to prevent and/or treat infection, and possibly reduce size of cancer temporarily.