

# **Anti-Angiogenic/Metronomic Protocol**

**For Patients of Pawspice & Animal Oncology Consultation Service  
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**Cancer cells accomplish their fatal agenda because of uncontrollable growth, invasion of vital structures and spread to other parts of the body. One approach in the battle against cancer is to target common cancer pathways. Most types of cancers (sarcomas, carcinomas and adenocarcinomas) except blood cancers (leukemia and lymphoma) signal and recruit cells to form tiny blood vessels to grow. This process is called angiogenesis. If we reduce or cut off the recruitment of cancer's blood supply (anti-angiogenesis), we may win more quality time and more quality of life for our pet cancer patients.**

**Anti-angiogenic agents inhibit the growth of tiny blood vessels so cancer cells are less able to grow and spread. In a series of 600 animal cancer patients, 60% responded to antiangiogenesis therapy with stabilized or reduced tumor size.**

**We also use kinder, gentler chemotherapy known as "metronomic" chemotherapy (mCTx). It is the use of low doses of special anticancer medications given on a daily or every other day basis. It is very safe and seldom causes side effects, and it is proven to have anti-angiogenic action. We place our cancer patients on a special combination of anti-angiogenic agents and metronomic chemotherapy. Some Rx's are chemotherapy agents and some are derived from natural products.**

**Since using anti-angiogenic agents and metronomic chemotherapy at our Pawspice & Animal Oncology practices, we have been pleased with the good results of slowing down many types of cancer and gaining increased longevity and quality of life for our patients.**

## **Dr. Alice's Anti-Angiogenesis Protocol:**

**A standard chemotherapy drug will be prescribed at a \*metronomic dose, which will be a very low daily or every other day dose. The drug(s) will be selected for best results against the specific type of cancer being treated.**

**In addition, integrative agents will be added that have shown a 60% response in 600 animal cancer patients with various types of cancer:**

- 1) AngioStop (Sea Cucumber): 1 capsule per 50-60 pounds 2-3 x daily**
- 2) Asparagus Extract: 1capsule per 50-60 pounds 2-3 x daily**
- 3) Revivin: 1 capsule per 50-60 pounds 2-3 x daily**

**Additional Rx's with proven anti-cancer and anti-angiogenesis action may be added to the treatment calendar.**

- 4) \*Metronomic Chemotherapy: low daily dose Rx for specific cancer type**
- 5) NSAIDs aspirin type Rx: Piroxicam or Mobic (with Pepcid before)**
- 6) Metformin: an anti-diabetic drug with proven anti-cancer action**

**Immuno-Nutrition Supplements: to improve the patient's immune system, nutritional status, overall mobility, well-being and quality of life.**

- 7) Agaricus mushroom capsules or liquids. It that has been shown to enhance the natural killer cells and macrophage activity in the body.**
- 8) OncoSupport: 1 scoop for 50 pounds 2 x daily with meals.**
- 9) IP-6: one capsule per 10-20 pounds 2 x daily on empty stomach**
- 10) Platinum Performance: slow start up to 1 TBS/30 pounds/day**
- 11) Vitality: anti-aging: 1 cap/20 pounds up to 3 in AM & 3 by 2:00PM**
- 12) Primal Dose: Bovine Colostrum to support immune system**

**Cancer patients often need Rx's and supplements from each category depending upon cancer type, condition and age. Items can be given separately with treats or mixed into meals. Capsules can be opened and blended into a liquid elixir using a/d canned food as a tasty gravy base. The liquid elixir containing all the items can be given orally with a feeding syringe 2-3 x a day as directed.**

**Please email us at [pawspice@yahoo.com](mailto:pawspice@yahoo.com) if you have questions.**