



## **Reduction of Liver Mass in Canis familiaris, with the use of Viscum album in serial dilutions**

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### **Introduction**

Primary hepatobiliary neoplasms are uncommon in dogs and cats and hematological and biochemical findings are non-specific, as well as symptoms<sup>1</sup>, but symptoms such as anorexia, hepatomegaly, jaundice, ascites, hemolytic anemia, altered enzymes such as phosphatase, ALT, AST and epistaxis can be verified<sup>2</sup> hindering the early diagnosis, which often only by necropsy it is possible to affirm the diagnosis<sup>3,4</sup>. Liver metastases are very common from Adenocarcinomas, Hemangiosarcomas, and Lymphomas. Clinical diagnosis should be associated with biochemical, ultrasound, CT or MRI<sup>4</sup>. Conventional treatment includes surgical partial excision because the high degree of metastasis and disease progression are responsible for early death, making the prognosis reserved to unfavorable<sup>4,5</sup>. Injectable Homeopathic Medicines are based on international compendia and pharmacopoeias, resulting from the union of traditional Homeopathy knowledge with innovative technology. Germany accounted for 80% of the production of "anthroposophic injected drugs dynamized"<sup>6</sup> The advantages of the use of injectable drugs are the certainty in administration, a more rapid effect detected clinically - non-interference of gastric acids (Viscum album, Vespa, Formica), can be used in all parenteral routes, additional action due to tumor proximity and acupuncture points, increase in medical adherence, use in specific situations, patients unable to medicate orally, in coma, pre and postoperative, patients with dysbiotic syndromes, absence of viral and bacterial infections, since only the doctor uses<sup>7</sup>. In a clinical study published in 2007, it was verified that the combination of Viscum album injectable with other homeopathic injectables was beneficial for the maintenance of quality of life of dogs and cats analyzed, where the greater life time conferred to a feline by the use of Injectable homeopathic therapy was 21 months for a feline and longer than 12 months for a dog with Radio Osteosarcoma who was alive until the publication of article<sup>7</sup>. So indications for the therapeutic use of Viscum album include the Paleactive effect, Adjuvant, Additive and Prophylactic<sup>9</sup>. Complementary Therapies currently include an important tool of therapeutic choice to promote quality of life, prolonging the life span without causing serious side effects<sup>8</sup>.

### **goals**

Demonstrate treatment with Injectable Homeopathic medicines with ultrasound monitoring and measurement of hepatic mass.

**Case report Clinical:**

On 02/08/15 was attended by Dr. Daniela Lopes (Brazil), a Canis familiaris, male, 12 years old and Beagle breed with a history of capricious appetite, weight loss, sporadic convulsions in childhood, but solved spontaneously. After the first examination of the Tomography and the hemogram, the presence of hepatic mass was observed, and the patient was referred for integrative treatment, without biopsy, only with measurement by images. Physical Examination - Increased abdominal volume and the adanal gland, presence of abdominal gauzes. The Tutor reveals that the patient is fearful pointing to biting him and the Veterinarian, is stubborn, aged appearance of the pelame, sporadically vomits a greenish foam.

CT Scan:

30/07/15-CT: Hepatomegaly, hepatic mass measuring 4.5x3.9x4,7cm = 82,48 cm<sup>3</sup>,

Prostate hypertrophy measuring 4,4cm in longitudinal;

11/08/15-TC: Liver mass measuring 5.80 x 4.47 x 6.0 cm = 155.56cm<sup>3</sup>

(Appendix 1)

19/08/15-TC: Hepatic mass measuring 7,1X7,1X5cm = Volume = 252,05cm<sup>3</sup>

Hepatomegaly, Prostate 3.9cm in longitudinal.

05/09/15 US: 7.2 X 7.4 X 4.1cm = 218.44cm<sup>3</sup> (Annex 2)

**Treatment 1:** beginning 08/08/15

The ultra-diluted Viscum album was applied subcutaneously at the combined potencies D3, D6, D9, D12 and D30, 2 ampules per application, 5x per week until 05/11/15, always by the homeowner. Lowcarb natural diet.

Evolution by Image Exams:

14/10/15 US: Hepatic mass measuring 6,8x6,5x4,4cm = 194,48cm<sup>3</sup> (Annex 3)

05/11/15 US: Liver mass measuring 5,7X3,7X6,5cm = 148,02cm<sup>3</sup> (Annex 4)

Clinical examination: Owner reports that the animal does not gain weight despite eating well, but still has sporadic vomiting with greenish foam. In addition to anatomopathological similarity, the choice of medications was confirmed by pendular medical scoliosis. Treatment 2: Beginning 06/11/16 using Viscum ultra diluted subcutaneously via D3, D6, D9, D12 and D30 combined potencies, 2ampolas per application, 3x / week and 1 ampoule of Phosphorus / Arsenicum / Viscum D30 ultra diluted via subcutaneous, 2x per week until 04/03/2017, always by the owner in a domestic environment. Lowcarb natural diet and Chromotherapy 1xweek.

**Results:** In the anamnesis it was observed that the patient stabilized the weight, was willing, fed well and stopped vomiting.

Evolution by Image Exams

Annex 5- 28/01/2106: US Mass 6.0X5.9CM x 4,1CM = volume 145.14 cm<sup>3</sup>

Annex 6-04 / 03/2016 US Mass 5,8X4,9X3,2CM = volume 90,944 cm<sup>3</sup>

Annex 7 -15/08/17 US mass 5,19x3,56x4,04cm = 74,64cm<sup>3</sup>

Treatment on 08/15/17 until current: 1 ampoule of Phosphorus / Arsenicum / Viscum D30 ultra diluted 2x / week.

**Conclusion** - The use of Viscum album ultra diluted in serial dynamizations and conjugated with Phosphorus / Arsenicum / Viscum subcutaneously promoted a reduction of hepatic mass around more than 50% of its volume, being smaller than the initial lesion. The advantages of parenteral application reported by the owner are in agreement with BAARS et al because the patient initially presented vomiting and did not accept medications easily orally and the certainty of the medication in cancer patients is quite

important. We did not observe any side effects from the short or prolonged use of *Viscum album* in the chosen route of administration, since we know that the use of some conventional chemotherapeutic agents is the intravenous route, which can be administered incorrectly cause tissue necrosis according to LOPES et al .

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