**Cancer/Leishmania treatment with the ACT-WHO validated LupArte2.0 ® capsules/tablets (Artemisia annua 30:1 extract, combined with Artennua 2:1, Lupovet GmbH) in cats/dogs:**

1. **Preparation phase**

Cancer: Anti-inflammatory treatment (Meloxicam, topic treatment with anti-inflammatory suspensions) remove of the tumor surgically in any case (metastasis or not), if possible. Initial Serum Iron measurement.

Leishmaniosis: none, Initial serum iron measurement.

1. **Treatment phase**

with LupArte 2.0 ®

1. Determination of the serum iron (normal range between 140 – 170 µg/dl). Often to low in cases of a malignoma.
2. At the same time iron must be given either:
* per os in form of Ferrosanol® capsules (100 mg/capsule) or Ferrosanol® drops (30 mg/ml); dose: 100 mg/30 kg weight b.i.d. initially and/or
* cheaper and more effective per injection of Ursoferran® (100mg/ml); dose: 100 mg/10 kg weight initially two times a week.

The iron application has to be continued for the entire treatment time and attuned to maintain the high level at 250 + 30 µg/dl.

1. From the fourth day onward, the animals must be treated with LupArte2.0® capsules/tablets t.i.d. The dose is about **1400 mg/m² body surface and day** (see conversion table below) distributed in three partial doses all +- 8 hours if possible. The capsules shall be given 1 – 2 hours before feeding and –if possible- without meat in a little piece of Gouda cheese. Four times of administration may be more helpful than tid, because of the actual knowledge about a relatively short half time

4. During the treatment the serum iron must be continuously controlled and the dose of the

 iron has to be adjusted if necessary.

Conversion table

|  |  |
| --- | --- |
| weight [kg] | surface of the body [m²] |
| 0,5 | 0,06 |
| 1 | 0,1 |
| 2 | 0,16 |
| 5 | 0,29 |
| 10 | 0,46 |
| 15 | 0,61 |
| 20 | 0,74 |
| 30 | 0,97 |
| 40 | 1,17 |
| 50 | 1,36 |
| 60 | 1,63 |
| 70 | 1,7 |

1. **Continuing phase:**

Routinely iron serum check:

aim: 250 + 30 µg/dl.; adapted iron substitution (oral/parenteral); life long treatment with LupArte2.0® with standard dosage.

Links:

<https://www.who.int/malaria/areas/treatment/overview/en/>

[www.artennua.com](http://www.artennua.com)