

Lycopodium clavatum as a homeopathic treatment in Magellanic penguins (*Spheniscus magellanicus*).

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ABSTRACT

Background: Uric acid is the main form of excretion of nitrogenous components in birds. The assessment verification samples, control, check of uric acid concentrations is widely used to detect kidney disease. High concentrations (up to five times) of uric acid in plasma can lead to the precipitation of this acid in the form of crystals, which accumulate in the tissues, mainly in the synovial joints and the viscera surface. **Aims:** report the evolution of homeopathic treatment in increased uric acid in Magellanic penguins (*Spheniscus magellanicus*) from Santo André Municipal Zoo. **Methodology:** 12 animals showed an increase in uric acid (reference values 0,3-16,1mg/dL) and received homeopathic treatment with *Lycopodium clavatum* 6cH. The protocol established was the administration of two globules of *Lycopodium clavatum* 6cH, once a day, inside fishes offered in the animal's beak. Treatment started on 25/09/2019. On 30/10/2019 was collected a new blood sample, those who were not discharged were kept on treatment and new collections were made on 27/11/2019 and 17/12/2019. **Results:** 8 animals had an average uric acid of 20.45mg /dl and responded to the 35-days treatment, normalizing the biochemical values with an average of 12.24mg /dl. Two animals with 18.27 mg /dl were discharged in 62 days with 11.70 mg /dl and another two penguins with 19.85 mg /dl were discharged in 82 days later with 9.57 mg /dl of uric acid. **Conclusion:** Homeopathy proved to be successful in the treatment of increased uric acid in Magellanic penguins, easy to administer, affordable and without side effects.

KEYWORDS: Homeopathy, High Dilutions, Sea birds, Uric acid.

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