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Title: "*High Intensity Laser Therapy in experimentally induced chronic degenerative tenosynovitis in heavyline chicken broiler.*"

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Place:

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Purpose: to assess the efficacy of HILT Therapy in tenosynovitis.

Discussion: It is interesting to notice that the laser treatment opposes the degeneration process, stimulates the proliferation of synoviocytes and production of synovial fluid. Moreover the absolute safety of HILT on the delicate tenovaginalis structures is assessed.

Methods: The study considered 18 chickens affected by chronic degenerative tenosynovitis experimentally induced. They were treated with pulsed Nd:YAG laser (total energy 270 Joules) for two weeks and then histological analysis was performed on the tendons.

Results: Histology revealed reduction of the mineralization of the "choral" matrix, anti-inflammatory effect of the laser, hyperplasia of the synoviocytes and ectasia of the lymphatic vessels.

Conclusion: the power laser (HILT) is able to exert an anti-inflammatory effect and in the course of degenerative chronic tenitis it can reduce or fully arrest the evolution of any tissue mineralization.