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Case report series: The use of diode lasers in veterinary dentistry

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Lasers' utility is extending more and more nowadays, coming up to support conservative treatments. Even more, pathological entities for which conservative treatments have produced uncertain, poor or less repetitive results may find their key to success with the help of diode lasers. Understanding their action mechanism and their interaction with the tissues will tell us where, how and for how long should we use them. Feline calicivirus and Feline immunodeficiency virus are infectious agents that usually are associated with chronic gingivostomatitis, seeking for a repeatable treatment with reproducible healing time prediction. We have a series of case reports with our approach to different oral pathologies, like severe lingual ulcer associated to Feline calicivirus, alveolar gingivitis associated to Feline immunodeficiency virus, feline aggressive juvenile periodontitis, where the use of near infra-red lasers brought a lot of improvement in the

clinical panel. Another interesting case report regarding the use of diode lasers is a complex case of suborbital abscess, expressed by an extraoral fistula for an upper fourth premolar, where we combined surgical endodontics with the utility of lasers and we have obtained complete clinical healing in 24 hours. Results were spectacular and confirmed that everything that was studied and accomplished in human dentistry regarding the use of diode lasers in oral pathologies may also be applied to our patients in veterinary dentistry. This, gives us hopes for shortening the healing time of the pathological conditions that are so painful and difficult to approach through conservative treatment methods. All the results may be explained by the lasers interaction mechanism with the tissues, as stated by recognized authors

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