

One health concept: Prosthodontics on implants for dogs. Future or history?

Introduction

Since dental implants were introduced as feasible long-term solutions for edentulous areas in the oral cavity, dog models were used first. All the dogs introduced in the studies were sacrificed, helping human dentistry understand osteointegration, local and biological factors involved in osteointegration, and microscopic aspects when inserting a dental implant. No one has continued the study further. What are the long-term results of dental crowns on dental implants in a dog's oral cavity? Dogs are becoming family members. People address veterinary dental specialists for high-quality therapeutical approaches. Dental crowns have been placed on teeth in dogs for a long time, and dental crowns on dental implants are becoming more popular.

Objectives

This report aims to present one health concept applied to prosthodontic crowns on dental implants in dogs and cats applying human dentistry's concepts.

Materials and methods

Two cases with short-term complications of prosthodontics on dental implants in dogs were used to illustrate the one health concept with common principles in veterinary and human dentistry.

Results

One health concept, the overall vision, led to long-term results with a follow-up period of one year.

Conclusions

Dentistry should extend the studies in dogs and cats over the osteointegration period. The basic principles applied in prosthetics on implants were integrated into veterinary prosthodontics. Each specie has its own characteristics that should be taken in consideration. One Health concept will provide answers both in human and veterinary dentistry.