



## Use of Regenerative Therapies in Canine Osteoarthritis

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### Message from the Guest Editors

The orthopedic diseases that afflict dogs are many—for example, congenital or acquired joint diseases, fractures, tendon and muscle damage, which often affect pets. Veterinary medicine has made enormous progress in the treatment of these pathologies, which are treated with medical therapies such as anti-inflammatory treatments, rest, rehabilitation and also specialist surgery.

Despite this, some of these pathologies are still a challenge for orthopedic surgeons.

In recent years, as in human medicine, regenerative therapies offer new healing opportunities. Some studies regarding PRP and other blood-derived products, stem cells and the adipose vascular stromal fraction have provided encouraging results and shown the efficacy of said treatments in osteoarthritis, muscle-tendon pathologies, pseudarthrosis, etc., promoting tissue regeneration and even reducing pain and inflammation.

However, much remains to be understood and it is hoped that research will produce scientific evidence in this field.





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