**An overview of the benefits of royal jelly in veterinary medicine**

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**Abstract:** Royal jelly (RJ) has long been one of the most commonly used natural products in medicine. RJ is secreted from worker bees' hypopharyngeal and mandibular glands, serving as a food source for the queen bee and larval growth. This product shows an astonishing complexity in terms of composition, including carbohydrates, lipids, proteins, polyphenols, hormones and vitamins. Many biological and remedial properties are considered for RJ, including neurotrophic, antioxidant, antidiabetic, antihypercholesterolemic, hepatoprotective, antibiotic, antitumor, anti-inflammatory, immunomodulatory, antiallergic and antiaging activities. It is also a blood pressure regulator and antiseptic. This review highlights the various benefits of RJ as an alternative medicine agent in animal health and welfare. Although considerable research has been done on RJ, much remains to be learned about its biology and biochemistry, as well as its application in modern veterinary medicine.

**Keywords:** Biological activity, Honeybee, Natural remedy.