General Research and Findings


Expressions of neurotrophin-3 and vascular endothelial are found in therapeutic amounts in deer antlers.

Tribulus is shown to improve sexual performance and function.

Velvet antler contains concentrated stem cells and bone marrow.

Powder derived from quality elk velvet antlers affects the proliferation and differentiation of mesenchymal stem cells that are derived from adult bone marrow.
Doron, Ran, Zvi Nevo, and Itay Fenichel. The effect of powder made of quality elk velvet antlers on the proliferation and differentiation of mesenchymal stem cells derived from adult bone marrow. European Orthopaedics and Traumatology. 1.3 (2010): 125-129.

Velvet antler polypeptides have a biological effect on the neural stem cells of embryonic rat brains.

Velvet antler is highly potent in increasing white blood cell counts in humans and defending against leukemia cells.

Velvet antler increases muscle and nerve strength thereby helping in recovering from injury and surgery.


**Velvet antler contains 20 essential and non-essential amino acids.**

**Nutrients found in velvet antler are important in treating rheumatoid arthritis, osteoarthritis and osteoporosis.**

**The growth factors, growth hormones and other constituents of velvet antler can combat many of the deteriorating effects associated with the aging process.**

**The alcohol extract of velvet antler may help those suffering from gastric and duodenal ulcers and aid in the recovery of gastrointestinal surgery.**


Velvet antler improves cell growth and demonstrates anti-tumor and anti-viral properties.


The oral administration of velvet antler reduces blood glucose levels in diabetic rats.

Velvet antler reduces cholesterol levels in rats.

Velvet antler helps reduce arterial blood pressure.


Velvet antler increases sperm count and mobility in treating impotence.

Velvet antler contains nutrients that increase testosterone levels in men and estrogen levels in women.

Velvet antler helps protect organs because of its ability to stimulate protein synthesis.
Velvet antler has an ability to prevent and reduce shock and stress responses.

Velvet antler is a natural dietary whole food supplement that does not produce drug related side effects.

Velvet antler inhibits monoaminoxidase activity and decreases the breakdown of neurotransmitters in the brain resulting in enhanced mood and memory, sustained energy levels and a restful sleep.
The process of antler regeneration is linked to the reproductive cycle.

There is an expression of PTHrP and the PTH/PTHrP receptor in growing red deer antler.

IGF-I may be an important hormone in the breeding habits of male white-tailed deer.

IGF-1 stimulates the proliferation of antlerogenic cells from all four ossification stages (intramembranous (IMO), transistional (OPC), pedicle endochondral (pECO) and antler enchochondrals (aECO)) in a dose-dependent manner.
Lysophosphatidylcholine derived from deer antler extract suppresses hyphal transition in Candida albicans through the MAP kinase pathway.
Min J, Lee YJ, Kim YA, Park HS, Han SY, Jhon GJ, Choi W.

Cells in regenerating deer antler cartilage provide a microenvironment that supports osteoclast differentiation.

The water-soluble extract from the antlers of wapiti effects the growth of fibroblasts.

New Zealand Deer Antler Velvet (NZDAV) may have positive effects on body composition and strength/power in resistance training.