

AVSC believes that stem cell based therapies can significantly contribute to the improvement treatment of degenerative conditions and injuries in the veterinary setting. AVSC Regenerative medicine uses a concentrated form of adipose-derived adult stem cells to treat traumatic and degenerative diseases, including osteoarthritis, and osteochondral defects as well as bowed tendons and ligament injuries, in dogs and horses.

AVSC Regenerative Cell technology delivers a functionally diverse cell population able to communicate with other cells in their local environment. Until recently, differentiation was thought to be the primary function of regenerative cells. However, the functions of regenerative cells are now known to be much more diverse and are implicated in a highly integrated and complex network. AVSC technology should be viewed as a complex, yet balanced, approach to a therapeutic goal. Unlike traditional medicine, in which one drug targets one receptor, Regenerative medicine, can be applied in a wide variety of traumatic and developmental diseases. Given both the clinical and ethical issues surrounding the use of embryonic stem cells, Australian Veterinary Stem Cells has been pursuing the use of adult stem cells from the stroma (mesenchymal stem cells) in the treatment of a number of conditions in the veterinary setting