

Dr Richard Vulliet, Veterinary Medical Director at ReGena-Vet Laboratories and professor at UC Davis, is investigating the potential of adult bone marrow stem cells (MSCs) to treat neuronal ceroid lipofuscinosis (NCL) in dogs. NCL is a rare chronic progressive degenerative disease of the nervous system that occurs with low frequency in TTs. It is characterized by movement and vision problems in mature TTs. Dr. Vulliet is currently enrolling selected patients for a limited clinical trial. Enrolled dogs will be treated on an outpatient basis at ReGena-Vet Laboratories in Davis, CA. Therapeutic quantities of stem cells from a normal donor dog will be infused into enrolled dogs. There will be no pain and suffering to the enrolled dogs other than that associated with catheter placement routinely done in human and veterinary medicine. Catheter placement sometimes requires tranquilization, depending on the personality of the dog. The injections will be repeated three to five times, with each injection approximately one to two weeks apart. The infusion takes about two hours or so. The dogs will reside at home and be monitored by owner for reversal of NCL symptoms and for signs of improvement.

This research team has had success with other in-born errors of metabolism in cats similar to NCL and believes that this approach will be successful in dogs with NCL. If you have any questions, please feel free to contact him at the (530) 756-0459 or at [regenavetlabs@gmail.com](mailto:regenavetlabs@gmail.com).