

Overview

Studies with the original Orthokine®vet / Orthokine® system

Clinical veterinary studies

Indication	Origin	Author	N	Control	Results
Coffin joint, Horse	Doctoral thesis 2008 Berlin, DE	Jöstingmeier	27 vs 27	Corticosteroid & HA	Superiority towards Steroids and HA in longterm effect
Coffin joint & Fetlock, Horse	Examensarbeit 2008 Uppsala, SE	Österdahl	10 vs 10	HA or Glykosamino- glycane	Non-Responders went back to work 17 out of 20
Elbow & Stifle, Dog	Case series 2010, WSAVA Geneva, CH	Hauri	12	none	9 / 12 reduced lameness
Suspensory ligament, Horse	Case series 2014, AAEP SLC, USA	Easter	271	none	71% - 85% lame- free for 30 days
Tendinopathy, Horse	J. Stemcell research & therapy 2015, 6:126	Geburek et al.	10 vs 7	Placebo or non treated	Improvement of cli- nical and U-sound parameters; en- hanced coll type I expression

Ongoing veterinary studies

Indication	Species	Country	Status
Tendon lesions PRP	Equine	Germany	Data collection finished
Post OP treatment after TTA	Canine	USA	First patients treated 2014
GF-Measurnments	Canine	USA	Data collection finished
Tendon lesions ACS 3 injection	Equine	Germany	First patient treated 2015

Experimental studies

Indication	Journal	Author	N	Control	Results
Muscle injuries Mouse	Int. J. of Sports Medicine 2004	Wright- Carpenter	-	Placebo	ACS improves muscle- regeneration
Induced Arth- ritis, Carpus, Horse	Am. J. of Veteri- nary Research 2007	Frisbie et al.	16	Saline	Reduction of lameness and synovial Hyperplasia
Achilles tendon Rat	Am. J. of Sports Medicine 2009	Majewski et al.	-	Placebo	ACS accelerates and improves tendon regene- ration

Clinical human studies

Indication	Origin	Author	N	Control	Results
Muscle injuries, Sportsmen	Int. J. of Sports Medicine 2004	Wright- Carpenter	33	Actovegin, Traumeel	Shorter recovery time in ACS group
Lumbar Radi- cular Compres- sion	Spine 2007	Becker	84	Triam 3x 5 mL, Triam 3x 10 mL	Pain reduction at week 22 signifi- cantly higher in ACS group
Knee Osteoar- thritis	Osteoarthritis and Cartilage 2009	Baltzer	376	HA, placebo	Significant pain im- provement higher in ACS than HA and placebo
Hip Osteoarth- ritis	Orthop Rev 2013	Baltzer	119	none	Significant pain reduction
Knee Osteoar- thritis	AAOS Meeting paper 2014	Baselga	118	none	Significant pain score improvement for 24 months