

OPTIMAL RECOVERY FOR YOUR DOG FOLLOWING SURGERY FOR CRUCIATE LIGAMENT RUPTURE



Top Veterinary Orthopedic Surgeons have validated the use of shock wave therapy as an adjunct to improve the speed and quality of healing following surgery for canine cruciate ligament injury.

Clinical research has proven that PulseVet shock wave therapy:

- **Accelerates and improves bone healing** following tibial plateau leveling osteotomy (TPLO)¹
- **Accelerates patellar tendon remodeling** after TPLO²
- Provides a short-term pain relief after surgery which may lead to **reduced post-operative pain** and increased weight bearing and range of motion³
- Additionally, in an experimental rat model, PulseVet shock wave has been shown to protect cartilage by changing the underlying bone structure, which may lead to **long term reduction in pain associated with Osteoarthritis**.⁴



High intensity sound waves (shock waves) are focused around the surgical site to stimulate local bone, tendon, and ligament cells in order to encourage the recruitment of healing proteins which contribute to improved patient healing with reduced pain.

The treatment only takes a few minutes and is applied during surgery while your dog is anesthetized.



 **PulseVet**®

REFERENCES

- 1 – Kieves NR, MacKay CS, Adducci K, Rao S, Goh C, Palmer RH, Duerr FM, Colorado State University Veterinary Teaching Hospital, Ft. Collins, CO: High energy focused shock wave therapy accelerates bone healing. A blinded, prospective, randomized canine clinical trial. *Veterinary and Comparative Orthopedics and Traumatology*. 2015; 28(6): 425-32
- 2 – Gallagher A, Cross AR, Sepulveda G. The effect of shock wave therapy on patellar ligament desmitis after tibial plateau leveling osteotomy. *Vet Surg*. 2012; 41: 482-5
- 3 – McClure S, Sonea I, Evans R, Yaeger M. Iowa State University College of Veterinary Medicine, Ames, IA. Evaluation of analgesia resulting from extracorporeal shock wave therapy in the limbs of horses and sheep. *American Journal of Veterinary Research*. 2005; 66: 1702-8
- 4 – Wang CJ, Weng LH, Ko JY, Sun YC, Yang YJ, Wang FS. Extracorporeal shockwave therapy shows chondroprotective effects in osteoarthritic rat knee. *Archives of orthopaedic and trauma surgery*. 2011; 131:1153–8