

The Zoetis family of Regenerative Medicine Devices

Pro-Stride®
APS

Primarily used for osteoarthritis¹

Restigen®
PRP

Primarily used for tendon and ligament injuries²

CenTrate®
BMA

Primarily used for chronic osteoarthritis and soft tissue injuries³

HOW DO THEY WORK?

1. Your veterinarian will draw blood or bone marrow from your horse and transfer it into the selected device.
2. They'll spin the device in a centrifuge to create a concentrated solution of the horse's natural healing properties.
3. Your veterinarian will inject this cell solution into the damaged area, relieving pain and supercharging your horse's healing.

THE WHOLE PROCESS CAN BE DONE STALL SIDE IN ABOUT 30 MINUTES.

NO IMMUNE RESPONSE

Injecting cells that were harvested from a *different* horse and processed for off-the-shelf use could trigger an unhealthy immune response on subsequent injections.⁴ Our family of devices uses your horse's own blood or bone marrow that is processed fresh, and never frozen or freeze dried.



**REGENERATIVE
MEDICINE DEVICES**

**Care you can count on,
for the long run.**

Safe for your horse
Natural healing properties
Effective for up to a year¹
Little to no downtime¹
Proven to reduce inflammation
Manages a wide range of issues

Ask your veterinarian to learn more.
Or visit zoetisus.com/RMD

CLINICAL STUDIES, SOURCES AND REFERENCES

¹ Bertone, Ishihara, Zekas, Wellman, Lewis, Schwarze, Barnaba, Schmall, Kanter, Genovese, et. al. Evaluation of a single intra-articular injection of autologous protein solution for treatment of osteoarthritis in horses. American Journal of Veterinary Research. Feb 2014.

² Bosch, Schie, Groot, Cadby, Lest, Barneveld, Weeren, et. al. Effects of Platelet-Rich Plasma on the Quality of Repair of Mechanically Induced Core Lesions in Equine Superficial Digital Flexor Tendons: A Placebo-Controlled Experimental Study. Journal of Orthopaedic Research. Feb 2010.

³ Alvarez, Boone, Braim, Taintor, Caldwell, Wright, Wooldridge, et. al. A Survey of Clinical Usage of Non-steroidal Intra-Articular Therapeutics by Equine Practitioners. Frontiers in Veterinary Science. October 2020.

⁴ Rowland A., Miller D., Berglund, A. et al. Cross-Matching of Allogenic Mesenchymal Stromal Cells Eliminates Recipient Immune Targeting. Stem Cells Translational Medicine. November 2020.

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**Healing with
horse power**



**REGENERATIVE
MEDICINE DEVICES**

Pro-Stride®
APS

Restigen®
PRP

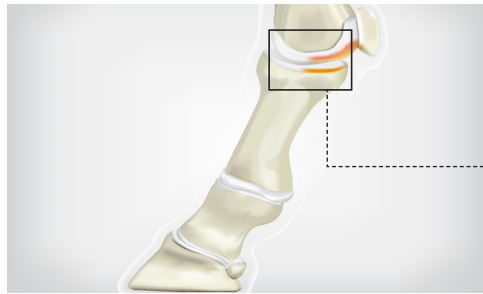
CenTrate®
BMA

**Your veterinarian can use your
horse's own blood or bone
marrow to help heal lameness,
joint pain and more.**

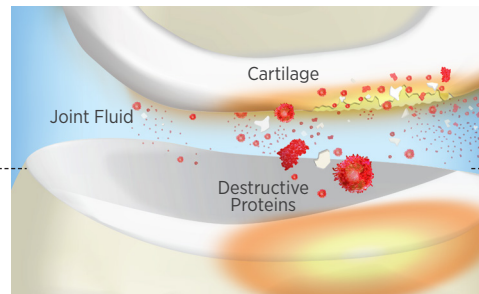
zoetis

Stop the cycle of inflammation

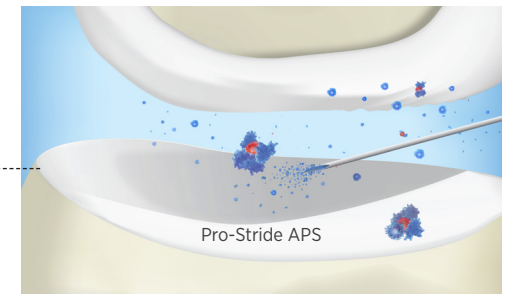
Pro-Stride
APS



Inflamed joints are painful for your horse and, if not addressed quickly, may progress to arthritis.



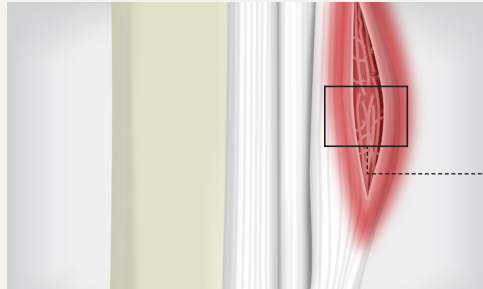
Inflammation can break down cartilage, resulting in permanent damage to the joint and chronic pain.



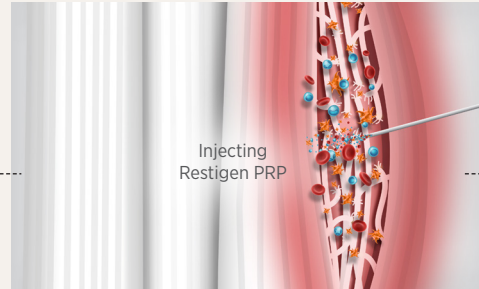
Pro-Stride APS restores the healthy environment of the joint with natural anti-inflammatories and healing growth factors.¹

Repair soft tissue injury

Restigen
PRP



A bowed tendon occurs when tendon fibers are torn and start producing heat, pain and swelling that results in lameness.



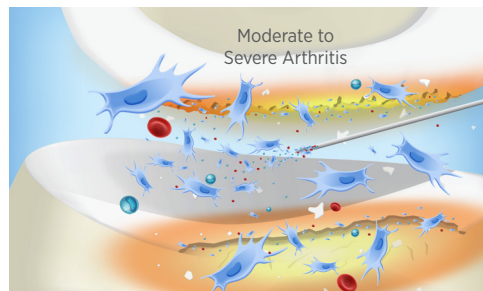
When injected into the injured area, Restigen PRP provides platelets, growth factors, white blood cells and anti-inflammatories to enable proper healing.



Restigen PRP enables improved quality of tendon fiber regeneration during the healing process.²

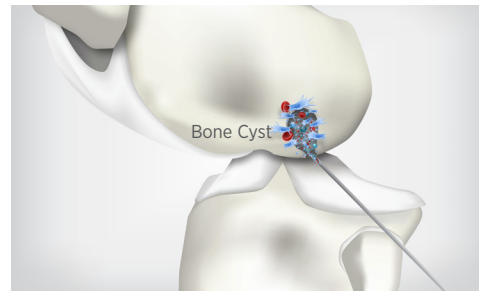
Initiate cartilage healing

Centrate
BMA



For cases that are more severe, requiring mesenchymal or progenitor cells for regeneration of cartilage, bone or tendon/ligament injuries, CenTrate BMA provides the key trigger and scaffold for healing based on the environment in which they're placed.

Help manage bone defects



Improve tendon or ligament repair after injury

