The Zoetis family of Regenerative Medicine Devices

Pro-Stride® APS — Primarily used for osteoarthritis[1]

Restigen® PRP — Primarily used for tendon and ligament injuries[2]

CenTrate® BMA — Primarily used for chronic osteoarthritis and soft tissue injuries[3]

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 to relieve pain and supercharge 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 year[1]
- Little to no downtime
- Proven to reduce inflammation[1]
- 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. E ects 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.

Healing WITH horsepower

Your veterinarian can use your horse's blood and bone marrow to help heal lameness and joint pain — which could help horses live a longer, healthier life.

REGENERATIVE MEDICINE DEVICES

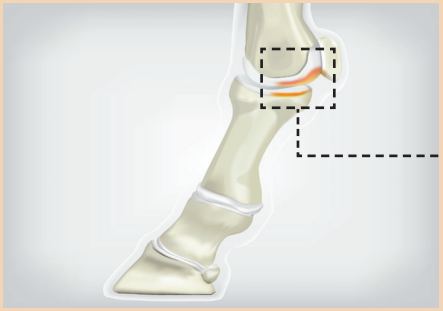
Pro-Stride® APS Restigen® PRP CenTrate® BMA

zoetis

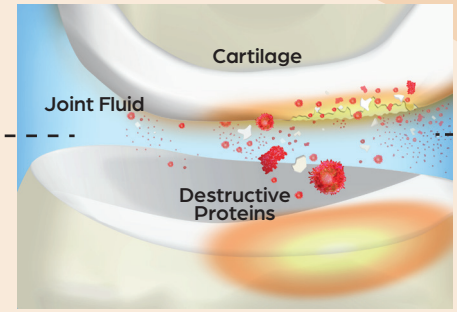
REGENERATIVE MEDICINE DEVICES

Pro-Stride® APS

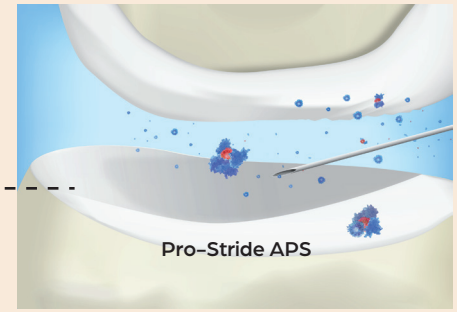
Stop the cycle of inflammation



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



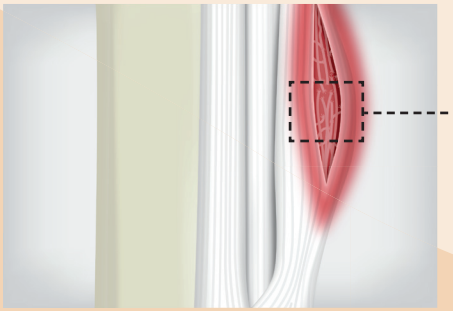
Inflammation can break down cartilage, resulting in permanent damage to the joint and chronic pain.



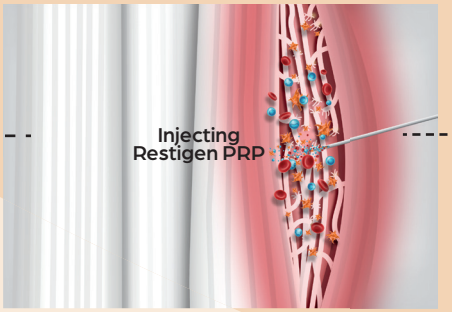
Pro-Stride APS restores the healthy environment of the joint with natural anti-inflammatories and healing growth factors.[1]

Restigen® PRP

Repair soft tissue injury



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

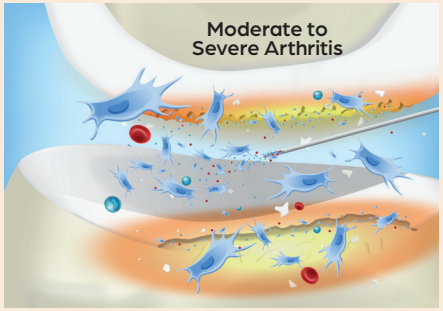


When injected into the injured area, Restigen PRP provides platelets, growth factors, white blood cells and anti-inflammatories to enable proper healing.

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

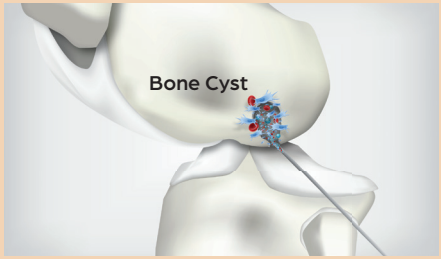
CenTrate® BMA

Initiate cartilage healing



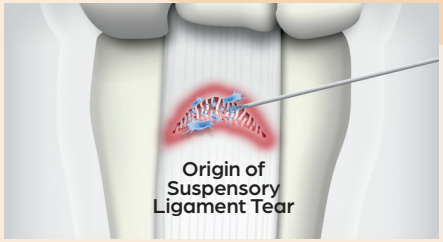
For cases that are more severe, requiring mesenchymal or progenitor cells for regeneration of cartilage, bone or tendon/ligament injuries,

Help manage boney defects



CenTrate BMA provides the key trigger and scaffold for healing based on the environment in which they're placed.[3]

Improve tendon or ligament repair after injury



zoetis