



Portable CT scanning comes to the Equine Veterinary Field

Tomosynthesis is drawing more and more attention of the X-Ray world today.

This state-of-the-art imaging technology offers high quality low-dose multi-slice images to visualize the parts of the objects that are invisible by the conventional 2D radiography. Until today it was only available for medical institutions.

And now, with introduction of EqueTom, it is also available for equine practices.

Welcome EqueTom – the first portable tomosynthesis system for equine market.

Unique reconstruction technique provides over 300 coronal slices of the examined body part for detailed examination, instead of a single static X-Ray shot.



Truly portable. Take it to your van!

EqueTom is designed to be portable. You can carry it between stables and work the same routine as with digital radiography systems. But in addition to exceptional quality 2D images, you will be able to acquire tomosynthesis slices of horse leg.

Battery powered. Make exams in the field!

EqueTom is battery powered. Due to superior battery capacity you will be able to make up to 50 tomosynthesis exams and 100 radiography shots.

Need regular 2D X-Ray? No Problem!

For the body-parts where tomosynthesis is not applicable just remove the portable generator and digital detector and take radiography shots.

Reduced examination time. No horse sedation is needed!

3-4 seconds images acquisition technique and 1 minute 3D reconstruction time provide you fast and accurate diagnostic information. Focus at different depth inside the body via swiping the slices using our user-friendly graphic interface on your laptop.



Scan-able anatomy (tomosynthesis): Heel, Pastern, Ergot, Cannon, Knee, Hoof, Coronet, Fetlock, Hock

Scan-able anatomy (radiography): all body-parts

Generator type: battery powered high-frequency 1.6 kW X-Ray generator

Digital X-Ray detector: battery powered 10"x12" dynamic portable PSA detector

Acquisition frame rate: 30 frames per second

Tomosynthesis angles: $\pm 15^\circ$, $\pm 20^\circ$ degrees

Tomosynthesis scan time: 3-4 seconds

Slices images resolution: 300 μm

Slice thickness (pitch): 0.5-8 mm

Radiography resolution: 125 μm



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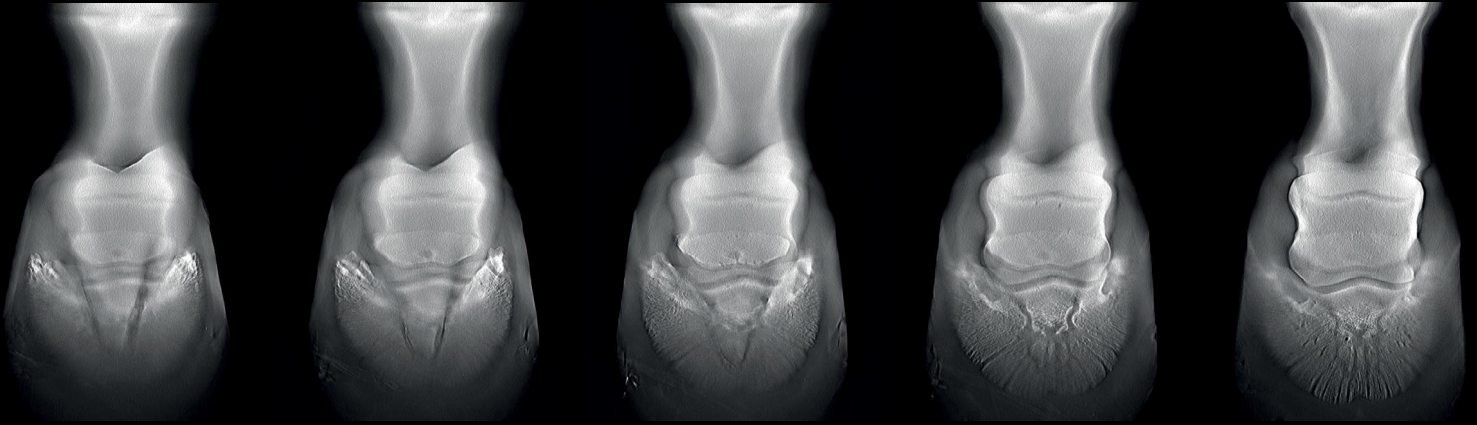


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TOMOSYNTHESIS EXAMINATION

NAVICULAR (CYST)



NAVICULAR (CYST)

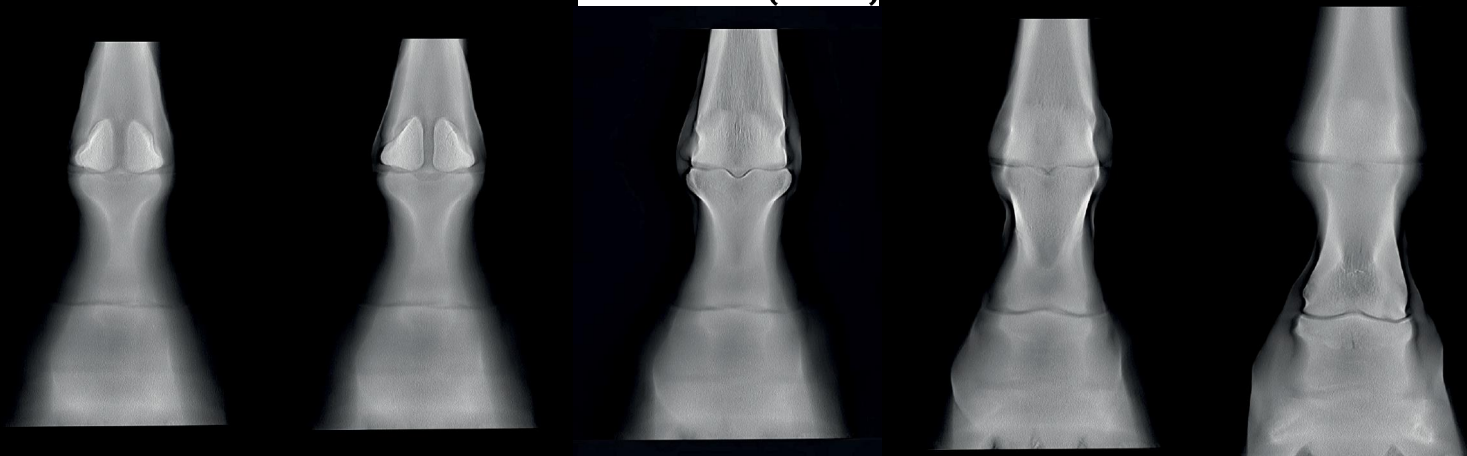


HOCK (MT SPIKES)

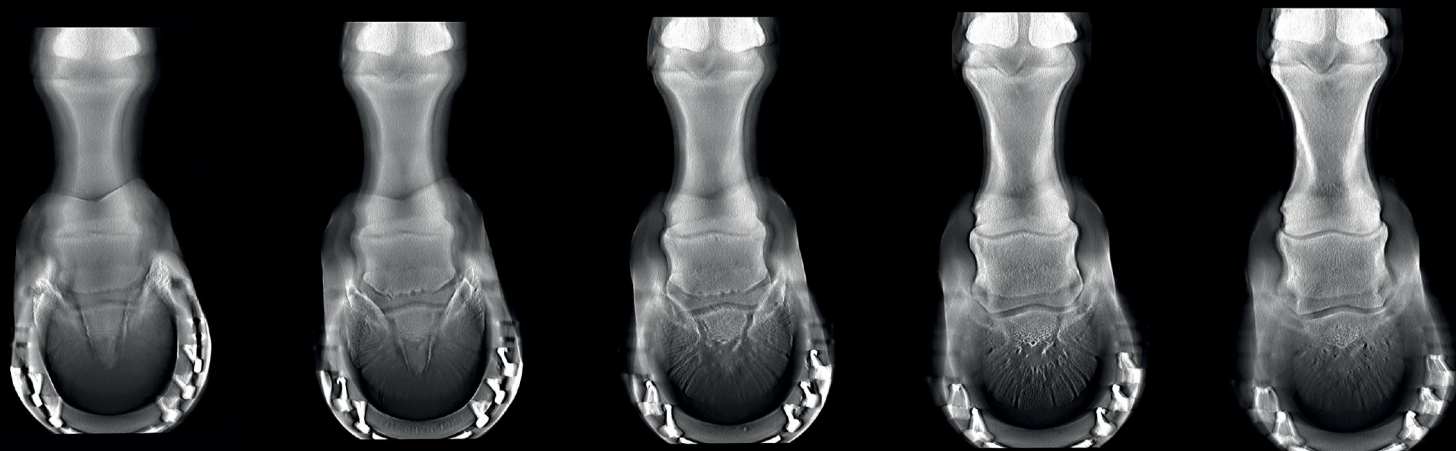


TOMOSYNTHESIS EXAMINATION

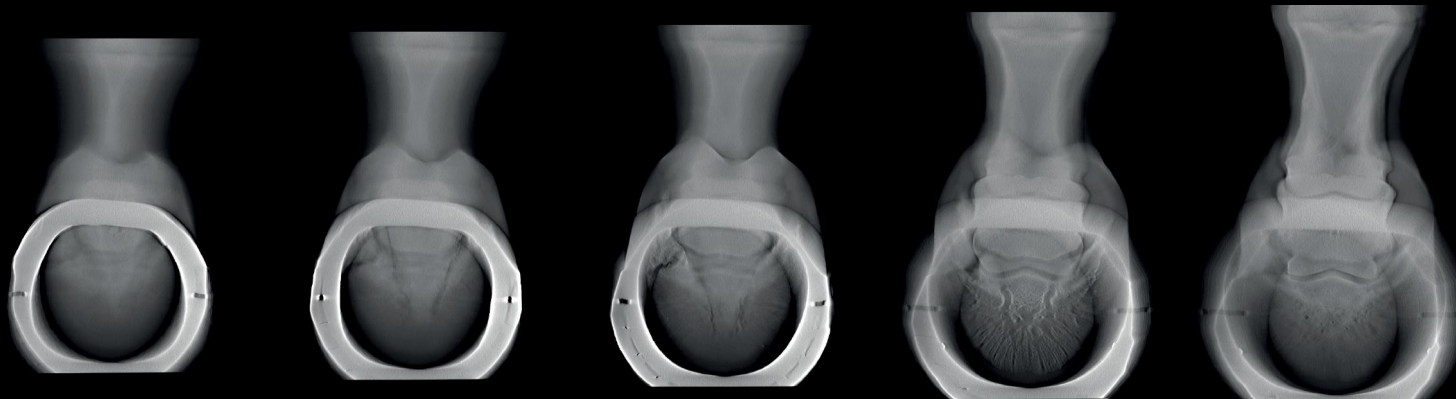
PASTERN (CYST)



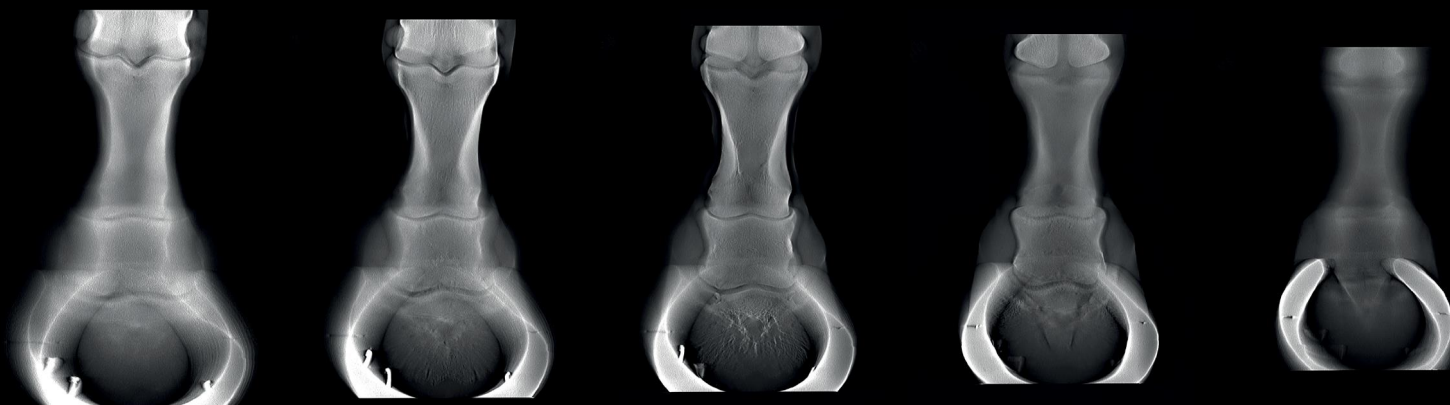
NAVICULAR



FOREFOOT (P3 FRACTURE)



FOREFOOT



TOMOSYNTHESIS EXAMINATION

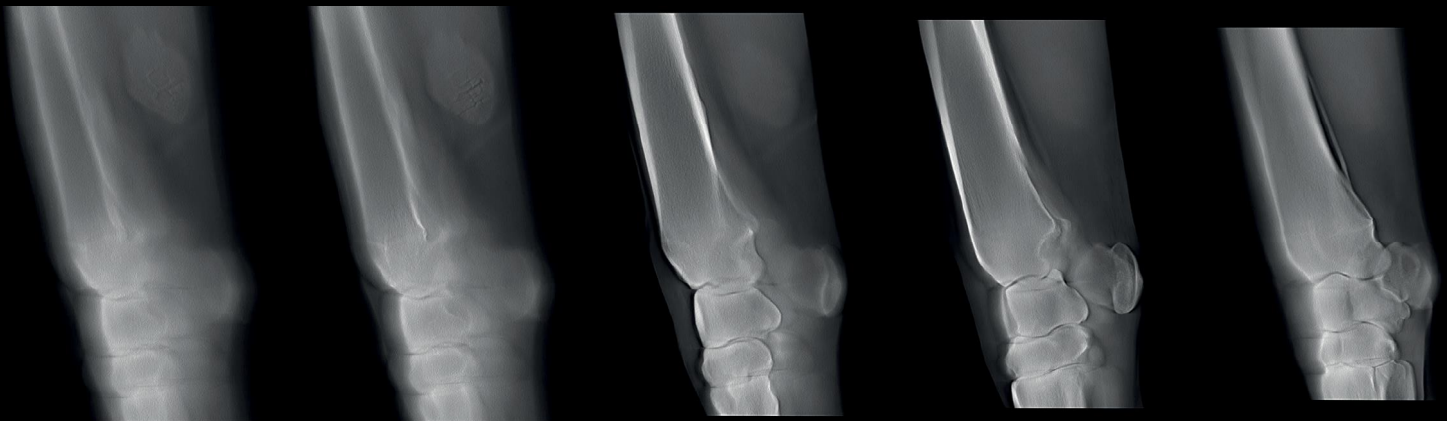
LEFT FETLOCK



FEET LOCK



FEET KNEE



THE FULL VERSION WITH EXAMPLES ON THE VIDEO
IS AVAILABLE AT [HTTPS://YOUTU.BE/UFMHDC4G3QS](https://youtu.be/UFMHDC4G3QS)