

EQUINE TOMOSYNTHESIS

Navicular (L0027, 24 Feb 2020)

Gelding 10 years old, jumping discipline. Lameness of the right front leg, degree 2 from 5. Diagnostic anesthesia of distal interphalangeal joint was positive; the horse was sound after 15 minutes. The digital tomosynthesis of distal interphalangeal joint was performed.

Periarticular osteophytes formation on the dorsal aspect of the middle phalange and extensor process of the distal phalanx (Fig 1).

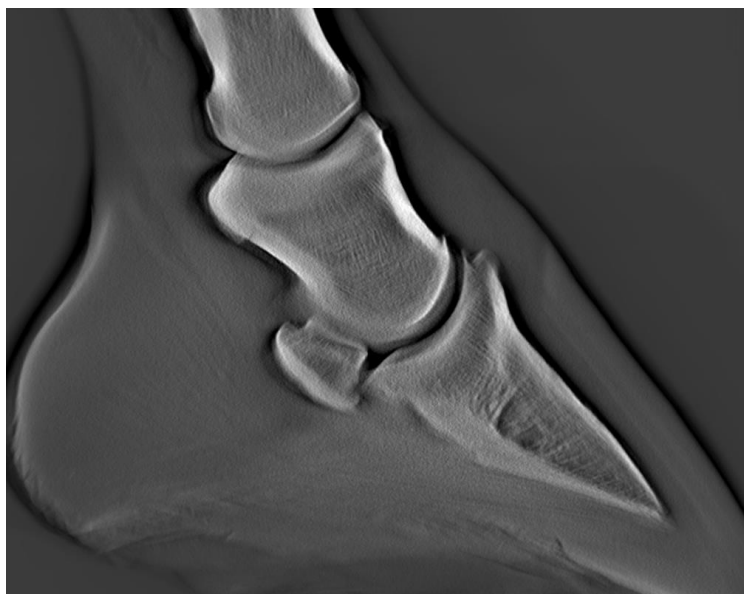


Fig 1. Lateromedial view of the distal interphalangeal joint right front leg

The presence abnormally shaped lucent zones along the distal border and modeling proximal border of the navicular bone (Fig 2).



Fig 2. Dorsoproximal-palmarodistal oblique view of navicular bone right front leg

There is small intrarticular osteochondral fragment (arrows) of the middle phalange at the level of apex area of extensor process distal phalange (Fig 3).



Fig 3. Dorsoproximal-palmarodistal oblique view of distal interphalangeal joint right front leg



Fig 4. Lateromedial view of distal interphalangeal joint right front leg

Diagnosis: Distal interphalangeal joint arthrosis. Navicular bone disease.