

Question 2

Images A and B are scintigraphic images of an 8-year-old Arabian gelding used for endurance riding examined for acute severe fore limb lameness following a 120 km competition.

1. Describe the scintigraphic findings. Be specific

focal
intense
increased radiopharmaceutical uptake proximal
palmar aspect of the
third metacarpal bone

Images C-F are magnetic resonance images of the same region.

2. Complete the table below to identify the sequence used to acquire each of the Images.

	Image(s) acquired using this sequence (C-F)
T1-weighted GRE	C
T2* weighted GRE	D, E
STIR FSE	F

3. What is the explanation for imaging abnormality that is most obvious in Images D and E?

Phase cancellation/fat-water artefact

4. What is the diagnosis based on Images C-F?

Fluid accumulation/bone bruising/bone oedema proximal palmar metacarpus

--- End of Question ---

Question 10

Rank the following suture materials on resorption time, from shortest to longest, and state whether the material is mono- or multifilament.

Suture material	Resorption time (rank)	Monofilament or multifilament
Polyglactin 910	1	multifilament
Polydioxanone	3	monofilament
Glycomer 631	2	monofilament

--- This is an incomplete scenario for mock exam purposes only; there are no further sub-questions to this scenario. ---

Question 15

1. On which limb(s) does the horse in Video A show lameness?

RH RF LF

2. Describe the clinically significant radiographic features of the tenogram shown in Image B.

Absence of normal silhouette of the manica flexoria

3. When combining a local anaesthetic agent with the contrast medium used to obtain Image B, which injection site results in the greatest chance of inadvertent desensitisation of the distal limb?

Proximal recess/proximal approach

4. Image C is a transverse ultrasound image acquired with the limb in a non-weightbearing position. In relation to the regional bony landmarks, at what level was it acquired? Be specific.

Proximal to PSBs but still at level of tendon sheath
Accept anything that makes this location clear (e.g. proximal pouch of fetlock)

5. Identify the structures labelled (i), (ii), (iii) and (iv).

- (i) Superficial digital flexor tendon
- (ii) Deep digital flexor tendon
- (iii) Wall of the tendon sheath/synovial lining of tendon sheath
- (iv) Torn/damaged manica flexoria/retracted fibres of torn manica flexoria

--- End of Question ---

Question 22

The CT images shown were obtained from a 19-year-old gelding that presented with right- sided purulent nasal discharge of 2 months duration.

What is the most likely diagnosis for the abnormality labelled (vi)?

Paranasal sinus cyst/sinus cyst

--- This is an incomplete scenario for mock exam purposes only; there are no further sub-questions to this scenario. ---