OSCE Code 7457-350 Diagnostic Imaging 15 (DLPMO forelimb) for Unit 308

The following station covers this Unit’s practical learning, including the following Assessment Criteria: 4.2

This OSCE will be used to assess the awards indicated

<table>
<thead>
<tr>
<th>Award</th>
<th>Award Reference</th>
<th>Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td>7457 – Level 3 Diploma in Veterinary Nursing</td>
<td>600/6052/6</td>
<td>Small Animal</td>
</tr>
<tr>
<td>7457 – Level 3 Diploma in Veterinary Nursing</td>
<td>600/6052/9</td>
<td>Equine</td>
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</tbody>
</table>

Scenario

Following a kick injury, this horse has a suspected fracture of its proximal fourth metacarpal bone (MCIV) of its right forelimb.

The veterinary surgeon has asked you to select and position appropriate protective and radiographic equipment to obtain a dorsolateral palmaromedial oblique (DLPMO) radiograph of the proximal MCIV of the right forelimb.

Comment on whether the model horse is suitably positioned for this procedure.

The horse is lightly sedated and manually restrained by an assistant who is adequately protected.

Note: you are not expected to set exposure factors, or to make an exposure.

Please tell the examiner when you are ready to take the exposure.
**Methodology: You will be expected to:**

1. Select and put on X-ray gown
2. Select and put on radiation dose meter
3. Select X-ray gown for assistant, request that they put it on
4. Select radiation dose meter for assistant, request that they put it on
5. Select 1 pair X-ray gloves for assistant, and request that they put them on
6. Select thyroid protector for assistant, and request that they put it on
7. Select small or medium sized cassette
8. Select appropriate cassette holder
9. Place cassette in holder correct way round
10. Label with patient identification and date
11. RF markers in place
12. Tube head lined up so primary beam centred between distal carpus and mid MC IV on lateral side of limb
13. Tube head at 45° (approx) to limb
14. FFD approx 75 – 100 cm
15. Cassette in holder positioned on medial/palmar aspect of right metacarpus/distal carpus
16. Assistant holding cassette holder standing on right side of horse, slightly behind limb
17. Cassette in holder parallel to tube head
18. Primary beam collimated to include distal row carpal bones proximally
19. Mid metacarpal bone III distally
20. Dorsal skin edges
21. Palmar skin edges
22. Labelling within primary beam
23. Collimated area does not overlap edges of the cassette
24. Correct positioning (to include necessary equipment)
25. Correct centring and collimation
<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>26.</td>
<td>Clarify which anatomical landmarks you used to help you centre the primary beam</td>
</tr>
<tr>
<td>27.</td>
<td>Clarify which anatomical landmarks you used to help you collimate the primary beam</td>
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<tr>
<td>28.</td>
<td>Positioning of horse: candidate comments</td>
</tr>
<tr>
<td>29.</td>
<td>Maintain safe practice throughout</td>
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</tbody>
</table>