

# LANRVN18

## Prepare diagnostic imaging equipment and materials for use on animals



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### Overview

This standard is about preparing equipment and materials for a variety of diagnostic imaging techniques including radiography and digital radiography, ultrasound and endoscopy.

Radiography equipment includes the following:

1. x-ray machine
2. radiation monitoring equipment
3. cassettes
4. positioning aids

Materials could include:

5. film
6. processing materials
7. contrast materials

This standard is suitable for registered veterinary nurses.

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### Performance criteria

- You must be able to:*
- P1 confirm the animal's condition and the diagnostic test required against available information
  - P2 prepare and position diagnostic imaging equipment and materials according to veterinary practice procedures and the procedure to be performed
  - P3 prepare personal protective equipment (PPE) and check for faults
  - P4 maintain equipment and materials according to specified schedules and procedures to include cleaning and replacement of consumables
  - P5 check for faults in diagnostic imaging equipment and materials and take the appropriate action to rectify or report them
  - P6 assess the potential risks to health and safety in this area of work
  - P7 comply with animal health and welfare legislation and codes of practice
  - P8 select and implement appropriate infection control procedures
  - P9 maintain your own professional conduct

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### Knowledge and understanding

*You need to know and understand:*

- K1 when and why radiography, ultrasound and endoscopy are used for animals and under what circumstances
- K2 the conditions for which each of the techniques are performed
- K3 why it is important to obtain guidance from veterinary surgeons
- K4 the preparation requirements for different types of diagnostic imaging equipment and materials
- K5 where equipment and materials should be positioned for different types of diagnostic image technique
- K6 the relevant health and safety regulations and guidelines relating to the use of diagnostic imaging equipment and materials
- K7 common faults that occur in equipment affecting diagnostic quality, reliability, safety and effectiveness and the correct actions to take
- K8 the types of faults that can occur in materials, including damaged packaging, deterioration and contamination
- K9 maintenance and testing schedule for equipment and who should maintain it
- K10 other diagnostic imaging techniques available and their uses, including MRI and CT
- K11 appropriate infection control measures
- K12 your professional responsibilities as a registered veterinary nurse

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