



AMERICAN ASSOCIATION OF
VETERINARY RADIOLOGISTS

K9 Cervical Protocol

| Series | Parameter Description | Pulse Sequence | FOV | FA (flip) | Slices | Thickness | Interval | Freq # | Phase # |
|-------------|--------------------------|----------------|-----------|-----------|--------|-----------|----------|---------|---------|
| Series 1 | 3 plane localizer | SE | 240-320 | 90 | 9 | 7 | 7 | 256 | 128 |
| Series 2* | Sag T2 | FSE | 180-240 | 90 | 16 | 2-3mm | 0-0.5mm | 256-288 | 192 |
| Series 3 | Sag STIR | FIR | 180-240 | 90 | 16-20 | 3-5mm | 0-1.5mm | 256-288 | 192 |
| Series 4 ** | Dorsal STIR | FIR | 180-240 | 90 | 16-20 | 3-5mm | 0-1.5mm | 256-288 | 192 |
| Series 5 | Ax T2 | FSE | 160 - 200 | 90 | 26-30 | 3-5mm | 0-1.5mm | 256-288 | 192 |
| Series 6 | Axial T1 | FSE | 160 - 200 | 90 | 26-30 | 3-5mm | 0-1.5mm | 256-288 | 192 |
| Optional | Sag T1 | FSE | 180-240 | 90 | 16 | 2-3mm | 0-0.5mm | 256-288 | 192 |
| Optional | Axial 3D | GRE | 200 - 400 | 60 | 25 | 3-5mm | 1-3 mm | N/A | 224 |
| Optional | Ax T1 Post Gad | FSE | 160-200 | 90 | 26-30 | 3-5mm | 0-1.5mm | 256-288 | 192 |
| Optional | Sag T1 Post Gad | FSE | 180-240 | 90 | 16 | 2-3mm | 0-0.5mm | 256-288 | 192 |

* Cervical spine exam should cover C1-T2 on sagittal sequences.

* One of the sagittal sequences should include the cerebellum/brainstem to evaluate for caudal fossa lesions.

** Dorsal STIR sequence should extend from dorsal part of the spinal column ventrally into the brachial plexus region

Always use the smallest coil for the body part to be imaged.

Match FOV, Slice Thickness, and Image Matrix to the size of the body part (Small, Medium, Large)