**Supplemental Digital Content 4: Superiority analysis of gadopiclenol (0.05 mmol/kg) Paired vs. Pre contrast images for lesion visualization**

|  | **n** | **LS Mean (SE)** | | | **95% CI difference** | **p-value** |
| --- | --- | --- | --- | --- | --- | --- |
| **Paired** | **Pre** | **Difference** |
| **Border delineation** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.90 (0.02) | 2.08 (0.02) | 1.82 (0.03) | [1.76 ; 1.88] | **<.0001** |
| Reader 2 | 229 | 3.64 (0.04) | 1.74 (0.04) | 1.90 (0.05) | [1.81 ; 2.00] | **<.0001** |
| Reader 3 | 202 | 3.97 (0.03) | 2.61 (0.03) | 1.36 (0.04) | [1.29 ; 1.44] | **<.0001** |
| **Internal morphology** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.92 (0.03) | 1.66 (0.03) | 2.26 (0.03) | [2.20 ; 2.33] | **<.0001** |
| Reader 2 | 229 | 3.65 (0.03) | 1.88 (0.03) | 1.77 (0.04) | [1.69 ; 1.85] | **<.0001** |
| Reader 3 | 202 | 3.97 (0.04) | 2.01 (0.04) | 1.96 (0.05) | [1.85 ; 2.06] | **<.0001** |
| **Contrast enhancement** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.77 (0.03) | 1.00 (0.03) | 2.77 (0.04) | [2.69 ; 2.85] | **<.0001** |
| Reader 2 | 229 | 3.58 (0.03) | 1.00 (0.03) | 2.58 (0.05) | [2.49 ; 2.67] | **<.0001** |
| Reader 3 | 202 | 3.90 (0.02) | 1.00 (0.02) | 2.90 (0.03) | [2.84 ; 2.95] | **<.0001** |

Up to the three most representative lesions in each patient were qualitatively scored (from 1 to 4) for each parameter by three offsite independent blinded readers, and a mean of scores was calculated. Only matching lesions are considered. Paired: combined unenhanced (Pre) and contrast-enhanced images, CI: Confidence Interval, LS: Least Squares, SE: Standard Error.