**Supplemental Digital Content 3: Non-inferiority analysis of gadopiclenol (0.05 mmol/kg) vs. gadobutrol (0.1 mmol/kg) for lesion visualization**

|  | **n** | **LS Mean (SE)** | | | **95% CI difference** | **p-value** |
| --- | --- | --- | --- | --- | --- | --- |
| **Gadopiclenol**  **0.05 mmol/kg** | **Gadobutrol**  **0.1 mmol/kg** | **Difference** |
| **Border delineation** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.91 (0.02) | 3.93 (0.02) | -0.02 (0.02) | [-0.06 ; 0.02] | **<.0001** |
| Reader 2 | 231 | 3.64 (0.04) | 3.60 (0.04) | 0.03 (0.04) | [-0.04 ; 0.11] | **<.0001** |
| Reader 3 | 220 | 3.97 (0.01) | 3.95 (0.01) | 0.02 (0.02) | [-0.01 ; 0.05] | **<.0001** |
| **Internal morphology** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.93 (0.02) | 3.93 (0.02) | -0.01 (0.02) | [-0.04 ; 0.03] | **<.0001** |
| Reader 2 | 231 | 3.64 (0.04) | 3.62 (0.04) | 0.02 (0.03) | [-0.05 ; 0.09] | **<.0001** |
| Reader 3 | 220 | 3.97 (0.02) | 3.92 (0.02) | 0.05 (0.02) | [0.01 ; 0.08] | **<.0001** |
| **Contrast enhancement** |  |  |  |  |  |  |
| Reader 1 | 227 | 3.78 (0.04) | 3.77 (0.04) | 0.01 (0.03) | [-0.04 ; 0.07] | **<.0001** |
| Reader 2 | 231 | 3.57 (0.04) | 3.52 (0.04) | 0.05 (0.04) | [-0.03 ; 0.12] | **<.0001** |
| Reader 3 | 220 | 3.89 (0.03) | 3.81 (0.03) | 0.09 (0.03) | [0.03 ; 0.15] | **<.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 images (combined unenhanced and contrast-enhanced images) were analyzed.

CI: Confidence Interval, LS: Least Squares, SE: Standard Error.