**Supplemental Digital Content 2: Trial disease diagnosis**

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|   | **Total** |
| **(N=240)** |
|    Meningioma | 77 (32.1%) |
|    Brain metastasis | 55 (22.9%) |
|    Glial tumor | 52 (21.7%) |
|    Schwannoma | 28 (11.7%) |
|    Other | 17 (7.1%) |
|    Pituitary adenomas | 5 (2.1%) |
|    Vascular malformation | 2 (0.8%) |
|    Spine metastasis | 1 (0.4%) |
|    Stroke | 1 (0.4%) |
|    Not assessable | 2 (0.8%) |

Data presented for the on-site reading of images obtained from MRI with gadobutrol.