**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.