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| **Supplementary Digital Content Figure 1** Data Collection | | | |  | |  | |  | |
| **Demographics** | **Diagnostic and Surgical Information** | | | | **Intraoperative Characteristics** | | | | **Neurological Outcome** | |
| Age | Diagnosis | | Primary Location1 | | Maximum SBP, DBP, MAP | | Length of Hospital Stay | | Discharge | |
| Sex | Primary Symptom | | Secondary Location2 | | Minimum SBP, DBP, MAP | | Hospital Readmission | |  | |
| BMI | Duration of Primary Symptom | | Midline Shift3: Presence | | Anesthetic | | Prior procedure at same location | | One Month | |
| ASA Score | Baseline SBP, DBP, MAP | | Midline Shift3: Extent | | Procedure Type | | Anesthetic Complications4 | | After Discharge | |
|  | Baseline Heart Rate | | Start and End Time of Surgery | | Procedure Acuity (E1/E2) | | Surgical Complications5 | |  | |
|  | Baseline GCS | | Day and Month of Surgery | | Patient Position | |  | |  | |
|  | Baseline Hemoglobin | | Intubation Status | | Length of Surgery | |  | |  | |
|  |  | |  | |  | |  | |  | |
| ***Abbreviations*** |  | |  | |  | |  | |  | |
| *BMI* body mass index, *ASA* American Society of Anesthesiologists, *SBP* sytolic blood pressure, *DBP* diastolic blood pressure, *MAP* mean arterial pressure | | | | | | | | | |
| *GCS* Glasgow Coma Scale | |  | |  | |  | |  | |
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| 1Primary Location: the location of origin of patients transferred to the Operating Room | | | | | |  | |  | |
| 2Secondary Location: the location to which patients were sent to postoperatively | | | |  | |  | |  | |
| 3Midline Shift: of identified brain structures on imaging studies done for the presenting lesion | | | | | |  | |  | |
| 4Anesthetic complications include: difficult intubation, hypotensive episodes, delayed emergence, post-operative agitiation and delirium, post-operative hypothermia, oxygen desaturation, arrythmias, myocardial infarction, post-operative nausea and vomiting, conversion of awake procedure to general anesthetic. | | | | | | | | | |
| 5Surgical Complications include: blood loss, blood transfusion, use of cell saver, seizures, speech problem, neurological deficit, stroke, tense brain, embolism, hematoma, | | | | | | | | | |
| mortality. |  | |  | |  | |  | |  | |