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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 |   |   |
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| ***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. |  |  |  |  |  |