**The Weill Cornell Headache Appropriate Use Criteria (AUC) addresses fifteen clinical conditions common to patients presenting with Headache and makes recommendations to optimize diagnostic effectiveness.**

|  |  |
| --- | --- |
| **Common Clinical Conditions – Headache** | |
| 0 | Not headache, Syncope, Stroke, Sinusitis or Trauma |
| 1 | Head Trauma, Evidence of Bleeding or Injury on Imaging |
| 2 | Head Trauma, Loss of Consciousness - Amnesia, Head Trauma Feature #1 |
| 3 | Head Trauma, more than 24 hours ago |
| 4 | Head Trauma, no Loss of Consciousness - Amnesia, plus one Serious Head Trauma Feature #2 |
| 5 | Head Trauma, Penetrating Injury or Glasgow Coma Scale less than 15 |
| 6 | Headache, Abscess Suspected |
| 7 | Headache, Aneurysm Suspected |
| 8 | Headache, Cancer Suspected |
| 9 | Headache, Cerebral Venous Thrombus Suspected |
| 10 | Headache, Known or Suspected Arteriovenous Malformation (AVM) |
| 11 | Headache, Meningitis Suspected |
| 12 | Headache, Serious Headache Features |
| 13 | Sinusitis Suspected |
| 14 | Stroke, Suspected or New Onset |
| 15 | Syncope |

**The Headache AUC is activated when a user orders one of the following sixteen Advanced Imaging Procedures.**

|  |  |
| --- | --- |
| **Advanced Imaging Procedures** | |
| 1 | CT Head without Contrast |
| 2 | CT Head with Contrast |
| 3 | CT Head with and without Contrast |
| 4 | MR Brain without Contrast |
| 5 | MR Brain with Contrast |
| 6 | MR Brain with and without Contrast |
| 7 | MRA Brain with Contrast |
| 8 | MRA Brain without Contrast |
| 9 | MRA Neck with Contrast |
| 10 | MRA Neck without Contrast |
| 11 | MRV Brain with Contrast |
| 12 | MRV Brain without Contrast |
| 13 | MRV Brain with and without Contrast |
| 14 | CTA Neck |
| 15 | CTA Head |
| 16 | CTV Head |

**The Headache AUC recommends one of the following sixteen Imaging Procedures based on the clinical condition.**

|  |  |
| --- | --- |
| **Recommended Imaging Procedures** | |
| 1 | CT Head without Contrast |
| 2 | CT Head with Contrast |
| 3 | CT Head with and without Contrast |
| 4 | MR Brain without Contrast |
| 5 | MR Brain with Contrast |
| 6 | MR Brain with and without Contrast |
| 7 | MRA Brain with Contrast |
| 8 | MRA Brain without Contrast |
| 9 | MRA Neck with Contrast |
| 10 | MRA Neck without Contrast |
| 11 | MRV Brain with Contrast |
| 12 | MRV Brain without Contrast |
| 13 | MRV Brain with and without Contrast |
| 14 | CTA Neck |
| 15 | CTA Head |
| 16 | CTV Head |

**Additional Clinical Information – Head Trauma and Serious Headache Features**

**The Headache AUC logic utilizes twenty-nine additional clinical indications categorized as;**

**Serious Head Trauma Features #1, Serious Head Trauma Features #2 and, Serious Headache Features.**

**Serious Head Trauma Features #1 with Loss of Consciousness or Amnesia**

|  |  |
| --- | --- |
| **Serious Head Trauma Features #1** | |
| 1 | Headache |
| 2 | Vomiting |
| 3 | Age >60 |
| 4 | Intoxication |
| 5 | Short-Term Memory Loss |
| 6 | Evidence of Trauma above Clavicle |
| 7 | Seizure |
| 8 | GCS<15 |
| 9 | Focal Neurological Deficit |
| 10 | Coagulopathy |

**Serious Head Trauma Features #2 no Loss of Consciousness or Amnesia**

|  |  |
| --- | --- |
| **Serious Head Trauma Features #2** | |
| 1 | Focal Neurological Deficit |
| 2 | Severe Headache |
| 3 | Vomiting |
| 4 | Age 65+ |
| 5 | Hemotypanum |
| 6 | Raccoon Eyes |
| 7 | Battle’s Sign |
| 8 | Glasgow Coma Scale (GCS) greater than 15 |
| 9 | Coagulopathy |
| 10 | Dangerous mechanism (Fall > 3 feet, fall > 5 stairs, ejection from motor vehicle, pedestrian struck |

**Serious Headache Features**

|  |  |
| --- | --- |
| **Other Serious Headache Features** | |
| 1 | Focal Neurologic Deficit |
| 2 | Altered Mental Status or Altered Cognitive Function |
| 3 | Sudden Onset Severe Headache (Thunderclap) |
| 4 | Chronic Headache with New Features |
| 5 | Occipital-Nuchal Pain |
| 6 | Headache Progressing in Severity |
| 7 | Signs of Increased Intracranial Pressure (i.e., Papilledema) |
| 8 | Headache Worse with Valsalva Maneuver |
| 9 | Headache Awakening Patient from Sleep |

**Logic Tables**

**The following Clinical Condition Logic Tables provide the Headache AUC logic for each clinical condition.**

**The logic incorporates prior imaging studies and contraindications where applicable.**

**Key**

|  |  |
| --- | --- |
| Value | Score |
| Blank | No Score Assigned |
| 0 | AUC Not Applicable – Allows User to Proceed with Original Order |
| 1 | Inappropriate |
| 2 | Contact Radiology |
| 3 | Appropriate |
| 4 | Appropriate Preferred |

**Condition 0 – Not Headache, Syncope, Stroke, Sinusitis or Trauma, AUC Not Applicable**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Not headache, syncope, stroke, sinusitis or trauma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Condition 1 - Head Trauma, Evidence of Bleeding or Injury on Imaging**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Head Trauma, Evidence of Bleeding or Injury on Imaging |  | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, Evidence of Bleeding or Injury on Imaging | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 2 - Head Trauma, Loss of Consciousness - Amnesia, Head Trauma Feature #1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Priors | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Head Trauma, LOC-Amnesia, 1+ Serious HT Feature #1 |  |  | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, LOC-Amnesia, 1+ Serious HT Feature #1 | CT |  | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, LOC-Amnesia, 1+ Serious HT Feature #1 | CT | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, LOC-Amnesia, 1+ Serious HT Feature #1 |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 3 – Head Trauma, more than 24 hours ago**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Head Trauma, >24 hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Condition 4 – Head Trauma, no Loss of Consciousness - Amnesia, plus one Serious Head Trauma Feature #2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Priors | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Head Trauma, No LOC-Amnesia, 1+ Serious HT Feature #2 |  |  | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, No LOC-Amnesia, 1+ Serious HT Feature #2 | CT |  | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, No LOC-Amnesia, 1+ Serious HT Feature #2 | CT | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head Trauma, No LOC-Amnesia, 1+ Serious HT Feature #2 |  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 5 – Head Trauma, Penetrating Injury or Glasgow Coma Scale less than 15**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Head Trauma, Penetrating or GCS<15 |  | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Head trauma, Penetrating or GCS<15 | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 6 – Headache, Abscess Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| HA, Abscess Suspected |  | 1 | 4 | 3 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Abscess Suspected | GAD | 1 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Abscess Suspected | MR | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Abscess Suspected | IOD | 1 | 4 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Abscess Suspected | GAD  IOD | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Abscess Suspected | MR IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 7 – Headache, Aneurysm Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| HA, Aneurysm |  | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| HA, Aneurysm | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| HA, Aneurysm | IOD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Aneurysm | MR IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 8 – Headache, Cancer Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Cancer Suspected |  | 1 | 4 | 4 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cancer Suspected | GAD | 1 | 4 | 4 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cancer Suspected | MR | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cancer Suspected | IOD | 1 | 4 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cancer Suspected | GAD  IOD | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cancer Suspected | MR  IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 9 – Headache, Cerebral Venous Thrombus Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Cerebral Venous Thrombus |  | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 4 |
| Cerebral Venous Thrombus | GAD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 4 |
| Cerebral Venous Thrombus | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| Cerebral Venous Thrombus | IOD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 |
| Cerebral Venous Thrombus | GAD  IOD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 |
| Cerebral Venous Thrombus | MR  IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 10 – Headache, Known or Suspected Arteriovenous Malformation (AVM)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| AVM Known or Suspected |  | 1 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| AVM Known or Suspected | GAD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| AVM Known or Suspected | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| AVM Known or Suspected | IOD | 1 | 4 | 1 | 1 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AVM Known or Suspected | GAD  IOD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AVM Known or Suspected | MR  IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 11 – Meningitis Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Meningitis Suspected |  | 1 | 4 | 3 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meningitis Suspected | GAD | 1 | 4 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meningitis Suspected | MR | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meningitis Suspected | IOD | 1 | 4 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| HA, Meningitis Suspected | GAD  IOD | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meningitis Suspected | MR IOD | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 12 – Headache, Serious Headache Features**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Serious Feature |  | 1 | 4 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Serious Feature | GAD | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Serious Feature | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| No Serious Feature |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Condition 13 – Sinusitis Suspected**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Sinusitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Condition 14 – Stroke, Suspected or New Onset**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Stroke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Condition 15 - Syncope**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Contraindications | CT Head w | CT Head wo | CT Head wwo | MR Brain w | MR Brain wo | MR Brain wwo | MRA Brain w | MRA Brain wo | MRA Neck w | MRA Neck wo | MRV Brain w | MRV Brain wo | MRV Brain wwo | CTA Neck | CTA Head | CTV Head |
| Syncope, age 60+ |  | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Syncope, age < 60, neuro exam abnormal |  | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Syncope, age < 60, neuro exam abnormal | MR | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Syncope, age < 60, neuro exam normal |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**Sources**

**The Headache AUC has been developed by Weill Cornell Medicine**

**utilizing the following eight published sources and local best practices (LBP).**

|  |  |
| --- | --- |
| **No.** | **Source** |
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