Kingston Health Sciences Centre
Centre des sciences de la santé de Kingston

Queen's University

Rad-mBIG - CT HEAD TRAUMA

CLINICAL HISTORY: [ ]

COMPARISON: [ ]

TECHNIQUE: Axial non-contrast CT of the head.

FINDINGS:

Acute intracranial hemorrhage: [Absent / Present]
If present, specified below:

- **Subdural Hematoma (SDH):**
  - None
  - **mBIG 1:** ≤ 4 mm. Location: [ ]
  - **mBIG 2:** 4.1 to 7.9 mm. Location: [ ]
  - **mBIG 3:** ≥ 8 mm OR multiple. Location: [ ]
- **Epidural Hematoma (EDH):**
  - None
  - **mBIG 3:** any EDH. Location: [ ]
- **Subarachnoid Hemorrhage (SAH):**
  - None
  - **mBIG 1:** ≤ 3 sulci total. Location [ ]
  - **mBIG 2:** > 3 sulci AND single hemisphere. Location [ ]
  - **mBIG 3:** > 3 sulci AND bi-hemispheric. Location [ ]
- **Intraparenchymal Hemorrhage (IPH):**
  - None
  - **mBIG 1:** Single focus ≤ 4 mm size. Location: [ ]
  - **mBIG 2:** Single focus 4.1 to 7.9 mm size. Location: [ ]
  - **mBIG 3:** Multiple foci OR ≥ 8 mm size. Location: [ ]
- **Intraventricular Hemorrhage (IVH):**
  - None
  - **mBIG 3**: any IVH. Location: [ ]

Skull Fracture:

- None
- **mBIG 2:** Non-displaced. Location: [ ]
- **mBIG 3:** Displaced. Location: [ ]

Other Findings: [ ]

IMPRESSION:

1. **Acute Intracranial Pathology:**
   - **Yes** [ ]
   - **No** [ ]
2. **Final Rad-mBIG Score** (highest applicable imaging finding):
   - **Rad-mBIG 1** [ ] or
   - **Rad-mBIG 2** [ ] or
   - **Rad-mBIG 3** [ ]

Critical Warning: The Rad-mBIG score is based on imaging findings only and does not represent the patient's final mBIG category. The final mBIG category requires integration of the radiologic findings with the patient's clinical status.

REFERENCE:

Ontario Health. Use of Modified Brain Injury Guidelines (mBIG) in Ontario Emergency Departments. Version 1.1. Toronto (ON): Ontario Health; 2026 Aug. Available from: https://www.criticall.org/wp-content/uploads/2026/08/MBIG_GUIDELINES_V1.1.pdf