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| **Status Epilepticus** | **Acute Ischemic Stroke** | **Brain Death and Breaking Bad News** |
| *Primary Learning Objectives:*   1. Efficient performance of a focused history and neurologic exam 2. Application of the medical management algorithm 3. Recognition of need for emergent EEG 4. Establish etiology for status epilepticus 5. Initiate basic life support protocol in code blue situation 6. Adapt to and make decision in a resource-limited, data-limited environment   *Secondary Learning Objectives:*   1. Recognition of need for advanced airway 2. Assumes leadership of the patient’s care 3. Effective communication to team members 4. Interpret CT 5. Initiate basic head trauma care 6. Determine disposition and initial management plan for ICH/ICP | *Primary Learning Objectives:*   1. Focused history on patient referred for acute stroke evaluation 2. Accurate completion of NIHSS 3. Recognition of stroke signs and symptoms 4. Determination of eligibility for acute therapies (IV tPA and mechanical thrombectomy) 5. Perform appropriate initial diagnostics prior to acute therapies 6. Assess for absolute and relative contraindications to IV tPA 7. Deliver appropriate weight-based dosing of IV tPA 8. Describe reasons for interrupting treatment with IV tPA (complications) 9. Describe post-tPA management | *Primary Learning Objectives:*   1. Obtain clinical data to recognize contraindications to performing a brain death exam 2. Interpret CT 3. Perform a coma/brain death exam 4. Perform apnea testing 5. Vocalizes consideration for ancillary testing 6. Declares brain death by neurological criteria 7. Sets-up room for family meeting 8. Utilizes SPKIE protocol11 9. Avoids use of jargon 10. Demonstrates empathy/compassion for the patient including validating family’s anger, sadness, etc. 11. Summarize the meeting and explain withdrawal of care. |

**eAppendix 2:** Outline of simulations’ learning objectives.