

## Appendix 2: ChatGPT Inputs

| Scenario                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>1 – Alcohol Withdrawal</b> | <b>Synopsis:</b> 63-year-old male admitted to SICU s/p left femur ORIF on POD2 who presents with increasing agitation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                               | <b>Scenario Goal:</b> To identify pathological signs of delirium tremens based on history and physical exam. To apply understanding of delirium and neurological symptoms to a new clinical scenario. To learn how to manage and prevent delirium tremens from alcohol withdrawal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                               | <p><b>Prompt 1:</b> Create a high fidelity mannequin simulation for a team of 6 fourth year medical students regarding delirium tremens in the hospital setting. The scenario should take approximately 12 minutes. Include chief complaint, history of present illness, past medical history, medications, labs, imaging, other diagnostic tests, anticipated participant behaviors and resulting changes to the scenario, learning objectives, and equipment (including type of mannequin).</p> <p>The goals of this scenario are:</p> <p>Identify pathological signs of delirium tremens based on history and physical exam</p> <p>Apply understanding of delirium tremens and neurological symptoms to a new clinical scenario</p> <p>Learn how to manage and prevent delirium tremens from alcohol withdrawal</p> |
|                               | <b>Prompt 2:</b> Include exact lab values and vitals. Provide the more specific outcomes of participant actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                               | <b>Prompt 3:</b> Include initial vital signs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                               | <b>Prompt 4:</b> For both correct and incorrect student actions, include changes in vitals signs, patient physiology, and mental status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                               | <b>Prompt 5:</b> Add debriefing questions, moulage, and facilitator notes while retaining the most recent scenario generated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>2 - EM Wilderness</b>      | <b>Synopsis:</b> Epidural hematoma- Progression from lucid period to unconsciousness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|  | <p><b>Scenario Goal:</b> ID pathological signs related to head trauma in an austere environment, focusing on findings of the PE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <p><b>Prompt 1:</b> Create a high fidelity mannequin simulation for a team of 6 fourth year medical students regarding epidural hematoma due to trauma en route via medical helicopter evacuation. The scenario should take approximately 12 minutes. Include chief complaint, history of present illness, vital signs, past medical history, medications, exact lab values, imaging, other diagnostic tests, anticipated participant behaviors and specific resulting changes to the scenario (correct and incorrect actions), learning objectives, and equipment (including type of mannequin). The goals of this scenario are:</p> <ol style="list-style-type: none"> <li>1. Identify pathological signs related to head trauma in austere environment</li> </ol> |
|  | <p><b>Prompt 2:</b> Include physical exam findings. For both correct and incorrect student actions, include changes in vitals signs, patient physiology, and mental status.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p><b>Prompt 3:</b> Add it to the original scenario</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | <p><b>Prompt 4:</b> Include changes in vitals signs, patient physiology, and mental status to other correct and incorrect student actions to this scenario</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <p><b>Prompt 5:</b> Include change in setting to the receiving hospital to this scenario</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <p><b>Prompt 6:</b> Include more specific outcomes of continued patient treatment and management in receiving hospital setting</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <p><b>Prompt 7:</b> Add debriefing questions, facilitator notes, and moulage to the scenario.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <p><b>Synopsis:</b> Preeclampsia → Eclampsia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| <p><b>3 - Pre-Eclampsia</b></p> | <p><b>Scenario Goal:</b> To identify pathological signs and potential etiologies of preeclampsia based on history and physical exam.<br/>         To apply understanding of hypertension and neurological symptoms to a new clinical scenario.<br/>         To learn how to manage and treat preeclampsia to prevent complications such as Eclampsia.<br/>         To learn about dangerous complications of pregnancy and why abortion is sometimes a necessary treatment.</p> <hr/> <p><b>Prompt 1:</b> Create a high fidelity mannequin simulation for a team of 6 fourth year medical students regarding pre-eclampsia in a rural hospital setting. The scenario should take approximately 12 minutes. Include chief complaint, history of present illness, vital signs, past medical history, medications, physical exam findings, exact lab values, imaging, other diagnostic tests, anticipated participant behaviors and specific resulting changes to the scenario (correct and incorrect actions), learning objectives, and equipment (including type of mannequin).</p> <p>The goals of this scenario are:</p> <ol style="list-style-type: none"> <li>1. Identify pathological signs and potential etiologies of pre-eclampsia based on history and physical exam</li> <li>2. To apply understanding of hypertension and neurological symptoms to a new clinical scenario</li> <li>3. To learn how to manage and treat preeclampsia to prevent complications such as eclampsia</li> <li>4. To learn about dangerous complications of pregnancy and why abortion is sometimes a necessary treatment</li> </ol> <hr/> <p><b>Prompt 2:</b> Include changes in vital signs, patient physiology, and mental status to other correct and incorrect student actions to this scenario.</p> <hr/> <p><b>Prompt 3:</b> Incorporate this into the original scenario</p> <hr/> <p><b>Prompt 4:</b> Have the patient progress to eclampsia despite intervention and include new vital signs, patient physiology, mental status, and expected participant actions.</p> <hr/> <p><b>Prompt 5:</b> Add moulage and facilitator notes to the scenario.</p> <hr/> <p><b>Prompt 6:</b> Add debriefing to the scenario but keep facilitator notes.</p> |
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| <b>4 - TCA Overdose</b> | <b>Synopsis:</b> 17 year old female brought in by mom for confusion and fever                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                         | <b>Scenario Goal:</b> To identify pathological signs of TCA overdose based on history and physical exam. To apply understanding of arrhythmia and autonomic symptoms to a new clinical scenario. To learn how to manage and treat TCA overdose to prevent complications such as Vtach or Vfib. To see management of intentional overdose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                         | <b>Prompt 1:</b> Create a high-fidelity mannequin simulation for a team of 6 fourth-year medical students regarding tricyclic antidepressant overdose in an emergency room setting. The scenario should take approximately 9 minutes. Include chief complaint, history of present illness, vital signs, past medical history, medications, physical exam findings, exact lab values, imaging, other diagnostic tests, anticipated participant behaviors and specific resulting changes to the scenario (correct and incorrect actions), learning objectives, and equipment (including type of mannequin). The goals of this scenario are: 1. To identify pathological signs of tricyclic antidepressant overdose based on history and physical examination 2. To apply an understanding of arrhythmia and autonomic symptoms to a new clinical scenario 3. To learn how to manage and treat tricyclic antidepressant overdose to prevent complications such as ventricular tachycardia and ventricular fibrillation 4. To see management of intentional overdose |
|                         | <b>Prompt 2:</b> Include changes in vital signs, patient physiology, and mental status to the correct and incorrect student actions in this scenario.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                         | <b>Prompt 3:</b> Include specific values for changes in vital signs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                         | <b>Prompt 4:</b> Add previous responses to the original scenario.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | <b>Prompt 5:</b> Make tricyclic antidepressant overdose less obvious in the history of present illness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                         | <b>Prompt 6:</b> Add previous response to the scenario.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                         | <b>Prompt 7:</b> Add debriefing questions, moulage, and facilitator notes to the scenario.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>5 - Femur Fracture</b> | <p><b>Synopsis:</b> Patient was hiking and lost footing before falling 45 feet to the bottom of the drainage. Once a patient is found, open femur fracture is evident. Due to the austere environment of this backcountry hike, a traction splint is constructed. During the evacuation effort, compartment syndrome of the anterior lower leg is experienced.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                           | <p><b>Scenario Goal:</b> N/A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                           | <p><b>Prompt 1:</b> Create a high-fidelity mannequin simulation for a team of 6 fourth-year medical students regarding femur fracture progressing to compartment syndrome set in a remote mountainous area. The scenario should take approximately 12 minutes. Include chief complaint, history of present illness, vital signs, past medical history, medications, physical exam findings, exact lab values, imaging, other diagnostic tests, anticipated participant behaviors and specific resulting changes to the scenario (correct and incorrect actions), learning objectives, moulage, facilitator notes, debriefing questions, and equipment (including type of mannequin).</p> <p>The goals of this scenario are:</p> <ol style="list-style-type: none"> <li>1. Identify and treating open femur fracture with traction/splinting</li> <li>2. Identify and treating compartment syndrome arising from injury to deep peroneal nerve</li> </ol> |
|                           | <p><b>Prompt 2:</b> Remove access to portable X-ray machine, ultrasound machine, and compartment pressure measurement equipment while in remote mountainous area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                           | <p><b>Prompt 3:</b> Have the patient progress to compartment syndrome despite applying traction and splinting. Include correct and incorrect student actions with changes in vital signs, patient physiology, and mental status. Include these in the scenario while retaining previously generated scenario.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                           | <p><b>Prompt 4:</b> Expand on appropriate actions taken to manage compartment syndrome. Remove lab values. Include these while retaining previously generated scenario.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |