Sherpath Simulations User Guide
Introduction

Sherpath Simulations are fully immersive, case-based simulation scenarios designed to challenge your clinical skill and decision-making proficiency. They provide a safe, virtual environment in which to practice and develop essential nursing skills and competencies.

Within the simulations, you will make clinical decisions by choosing your course of action using a combination of case background information, assessment findings, and unfolding events that occur during the simulation.

Before you attempt a simulation, be sure to review the following sections of this User Guide:

       System Requirements

       Features & Functionality

       Running a Simulation

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System Requirements

OS: Windows 7+ 32-bit, Mac OS X 10.8+

Graphics card: DirectX9 (shader model 3.0) capabilities; generally everything made since 2004 should work

CPU: Pentium compatible CPU with Multi-Core; 4GB+ of RAM recommended minimum

WebGL: Current desktop version of Firefox, Chrome or Safari
   Note: Browser must be at the standard zoom setting (100%)

Recommended minimum connection/download speed: 8 mbps

Estimated download time by system download speed

Download Speed	Estimated Download Time
98 mbps	30 seconds
64 mbps	Less than 1 minute
32 mbps	1 minute
16 mbps	1 to 2 minutes
8 mbps	2 to 3 minutes
4 mbps	3 to 4 minutes
2 mbps	6 to 7 minutes

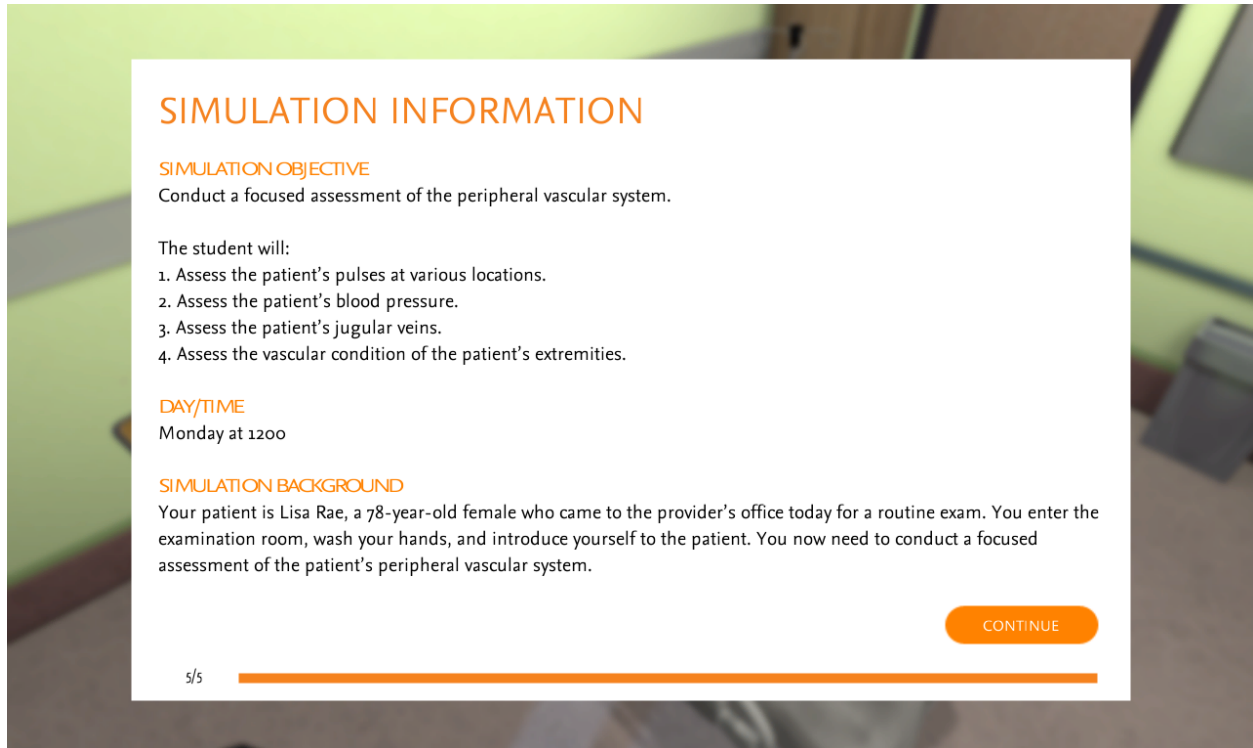# Sherpath Simulations User Guide
Features & Functionality - Simulation Information
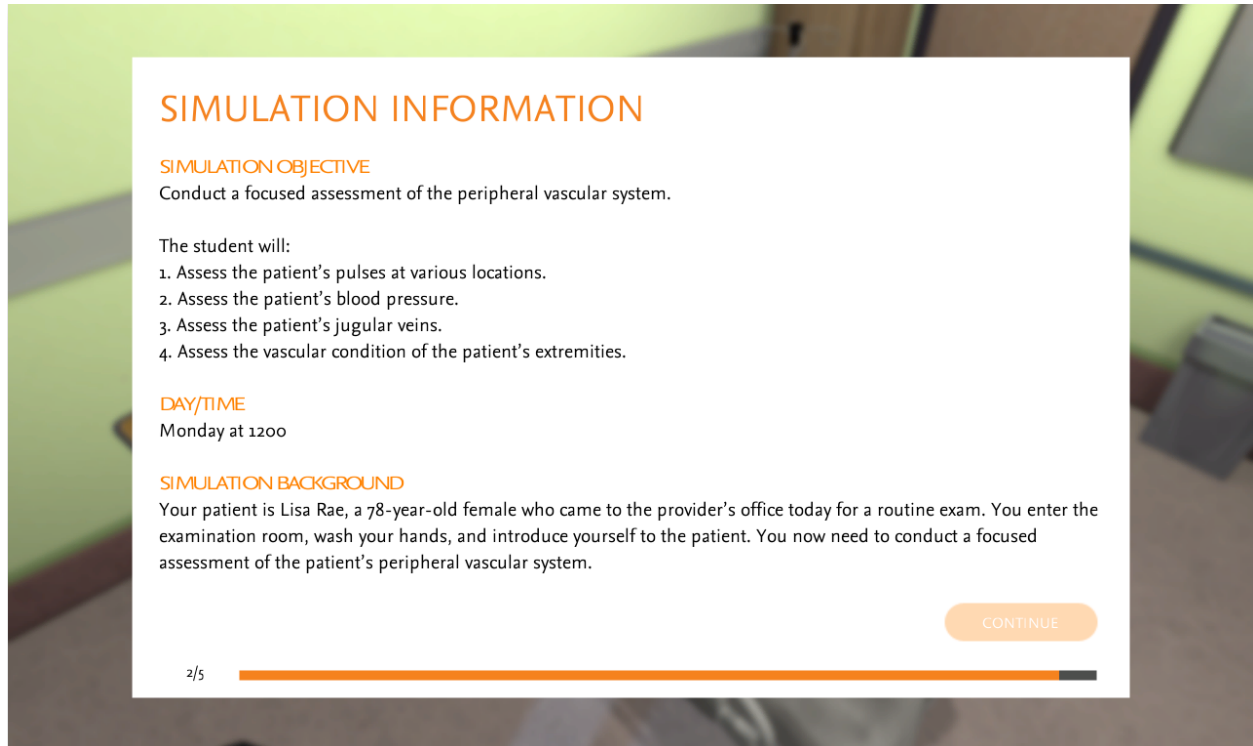
- **Simulation Objective** – The learning objective(s) of the simulation. These will outline what you will be expected to do during the simulation.
- **Day/Time** – The start day and time of the simulation.
- **Simulation Background** – Patient background, clinical history, and instructions for the simulation. Review these carefully.
- **Preparation Status Bar** – Indicates preparation status as simulation loads. There are multiple preparation steps in this process. Please be patient, as each simulation can take several minutes to fully load, depending on user/network bandwidth, operating system, etc.

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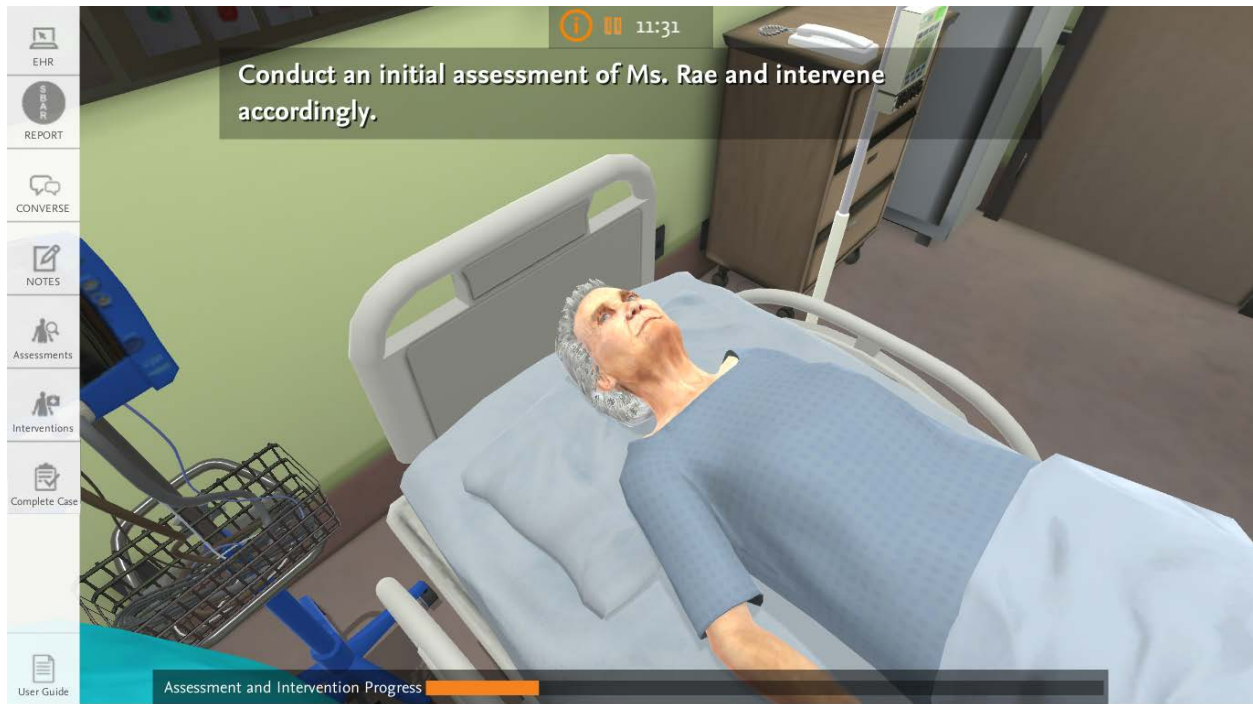## Features & Functionality - Simulation Information (cont)

Once all preparation steps are complete, the **Continue** button will be active. Click **Continue** to initiate the simulation.

Tip: *The Simulation Information screen can be accessed within the simulation using the* **Info** *button*.

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Features & Functionality - Navigation

- **Info –** Pulls up the Simulation Information screen for reference.
- **Pause –** Pauses simulation.
- **Clock –** Runs in real time, starting at the simulation start time.
- **Instructions –** Many simulations include instructions at the top of the screen. Pay attention to these for guidance during the simulation.
- **EHR –** Displays a read-only version of the patient's electronic health record; not used for user documentation.
- **SBAR Report –** Opens up the report from the previous shift nurse.

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## Features & Functionality - Navigation (cont)

- **Converse –** Opens the Converse tool. Top half contains dialogue options for user to choose from when interacting with the patient. Note that not all of the dialogue options will need to be or should be used, depending on the simulation objectives. Review options carefully before selecting. Bottom half of Converse tool contains conversation history for your reference.
- **Notes –** Opens the Notes tool in which you can take notes during simulation activities; note any assessment findings or other important information gathered during the simulation.
- **Assessments –** Displays the Assessment options available within a given simulation. Choose carefully from the available options when making assessment decisions.
- **Interventions –** Displays the intervention options available within a given simulation. Choose carefully from the available options when making intervention decisions.
- **Complete Case –** Simulations either end automatically or, in some cases, require that you click the Complete Case button when you feel you've fully completed the assessment or other activity.
- **User Guide –** Pulls up this User Guide.
- **Progress Bar –** Some simulations will include a progress bar at the bottom of the screen to indicate progress in completing assessments, interventions, etc.

Tip: To pan around the room, hold down the left mouse button and drag the cursor within the simulated environment.

Note: The options available will vary from sim to sim, so all of the navigation features noted above will not be available within every simulation.

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Features & Functionality - Pause
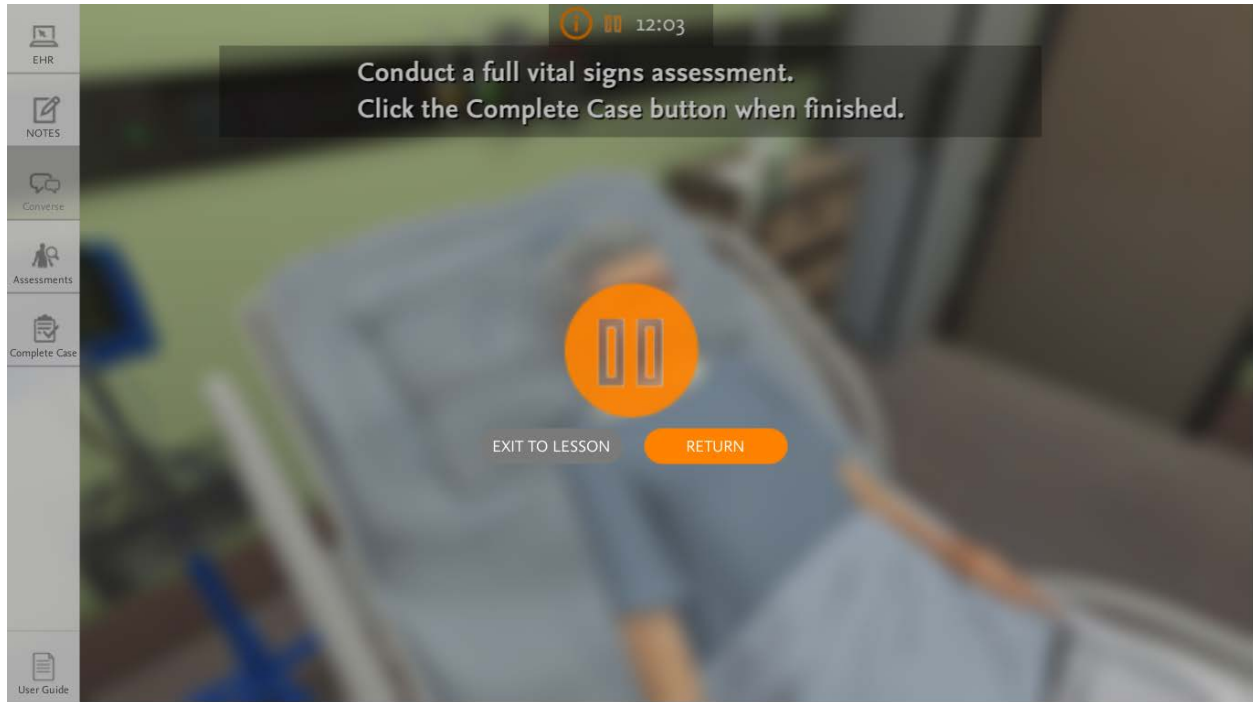
- **Exit to Lesson** –Takes you back to the Simulation Launch screen within your Sherpath course; simulation restarts if launched again.
- **Return** – Returns to where you left off in the simulation.

Tip: At any time during the simulation, clicking the Escape key on the keyboard (or exiting full screen mode) will take you back to the Simulation Launch screen within your Sherpath course. If you reenter the simulation without navigating away from the launch screen, you will be taken back to where you had left off.

Sherpath Simulations User Guide
Features & Functionality - Drag & Drop

Many simulations include **Drag & Drop** selection activities. Simply select the desired option(s) from the options at the left, and drag them over to the right. Click the **Proceed** button when ready to continue. Any incorrect choices will typically flash in red, allowing you to remake your selections.

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Features & Functionality - Converse Tool
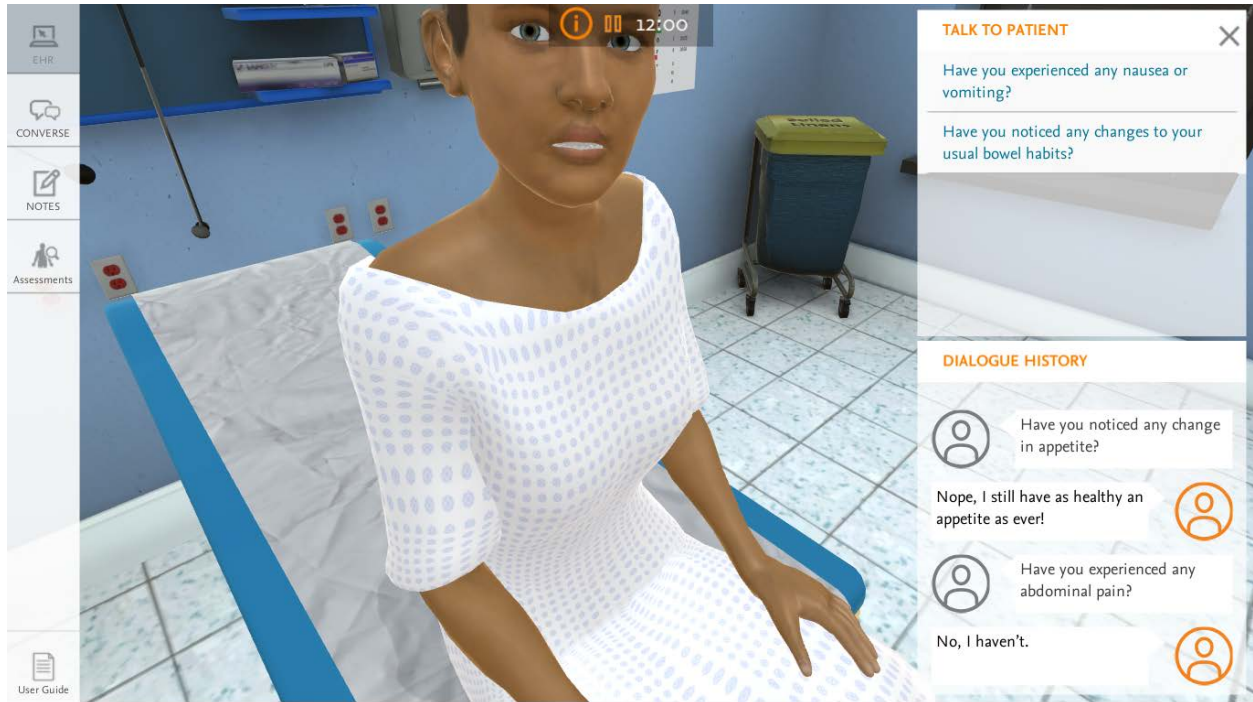
Many simulations include communication activities. Open the **Converse Tool** by clicking on the **Converse** button. Simply select the desired dialogue option from the Talk to Patient section. All statements/questions and patient responses will be captured in the Dialogue History window, with the most recent appearing at the bottom. Not all options will need to be used in every simulation, depending on the simulation objective. Review options carefully before selecting.

Sherpath Simulations User Guide
Features & Functionality - Electronic Health Record

ELECTRONIC HEALTH RECORD

SimChart®

Rae, Lisa
MRN: 7761384   Room: 322   Health Care Provider: L Moore, MD
Sex: Female   Weight: 110 lb   Code Status: Full   BMI: 17.8   Hospital Floor: Medical-Surgical
Age: 78 years   Height: 5' 6"   Allergies: NKA   Diet: 3 g sodium restriction

Summary

Patient Summary	
Authority for Admission	
Admission History	
History and Physical	
Orders	
MAR	
Vital Signs	
Assessments	
Basic Nursing Care	
Provider Notes	
Nursing Notes	
Laboratory-Diagnostics	
Patient Teaching	

Risk Alerts

Fall Risk:
No Data Entered

Pressure Sore Risk:
No Data Entered

Obstructive Sleep Apnea Risk:
No Data Entered

Basic Information

Code Status:
Full code

Isolation Status:
No Data Entered

Allergies:
NKA

Alerts:
No Data Entered

Problem List

Medical Diagnosis:
Primary Diagnosis: Hypotension
Secondary Diagnosis: Mechanical fall
Tertiary Diagnosis:
No Data Entered

Nursing Diagnosis:
No Data Entered

Patient Monitoring

Chart Time	Temperature (F)	Pulse (Beats/min)	Respiration (Resp/min)	Blood Pressure (mmHg)	Oxygen Saturation (%)
Mon 10:40	98.8	84	18	94/70	93

Pain: Mon | 11:40 Numeric pain level: 5   Intake: 200 mL
Blood Glucose: No Data Entered   Output: 250 mL

Active Invasive Items

IV Lines:
Mon | 10:40 Right Median Cubital
(Antecubital)
Peripheral

Active Wounds

Lesions   Mon | 10:40   **Right Hip**
Bruising (contusion)

Some simulations include a read-only version of the patient's **Electronic Health Record**. This is for reference only; not used for documentation during the simulation. All required documentation within the simulation will automatically appear in popup windows following the associated assessment(s). Note that not all simulations will have an active electronic health record available.

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Features & Functionality - Notes Tool
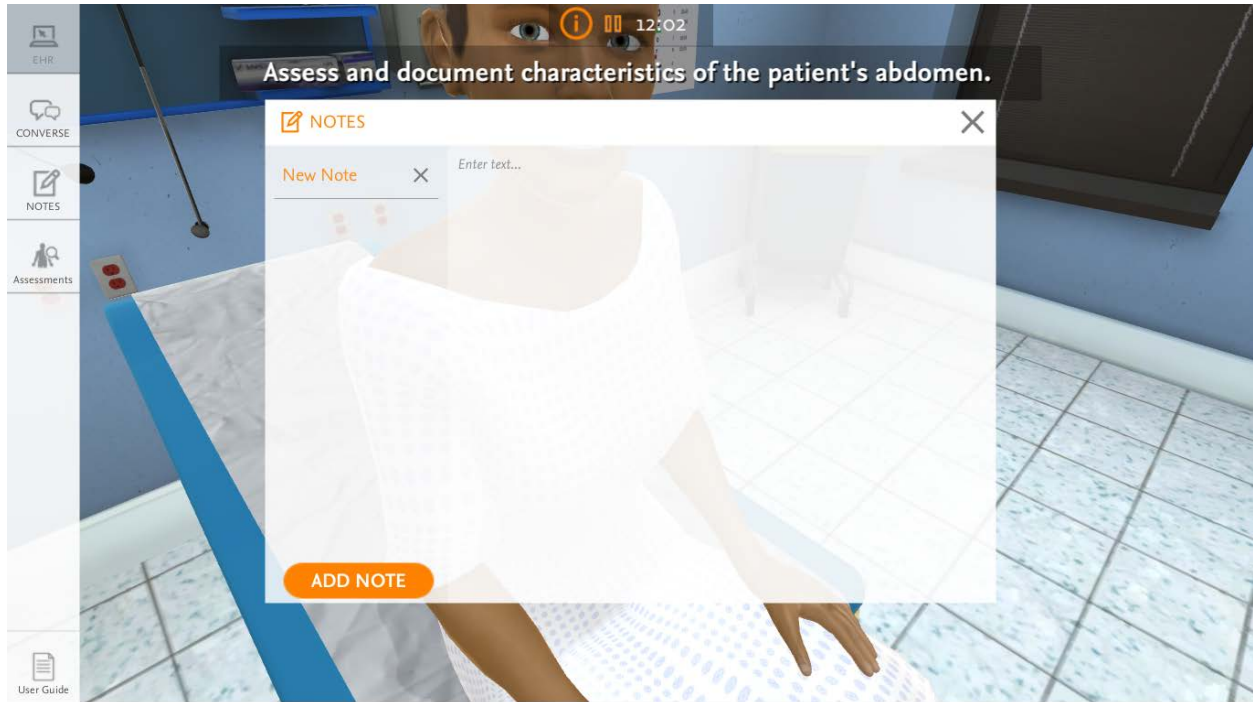
The **Notes** button will open the **Notes Tool.** This is provided so that you can make note of any assessment findings or other important information gathered during the simulation activity. The tool is for note-taking while in the simulation only, and any notes taken will not be evaluated or saved once the simulation is exited.

Sherpath Simulations User Guide
Features & Functionality - Documentation

Assess right carotid pulse.

Rate

Rhythm

○ Regular
○ Irregular

Amplitude

○ 4+ Bounding
○ 3+ Full, increased
○ 2+ Expected
○ 1+ Thready/weak
○ 0 Not palpable

Symmetry

○ Symmetric
○ Asymmetric

Submit

When you are finished, document the patient's pulse and site where taken.

Pulse

Site

○ Right Radial
○ Left Radial
○ Right Brachial
○ Left Brachial
○ Temporal

Submit

As assessments are completed within a simulation, **Documentation** popup windows will often appear asking you to document your findings. Simply complete each prompt to accurately record your findings. Click the **Submit** button when finished. You will typically be given three attempts to record the correct findings. On the third incorrect attempt, the correct documentation will automatically appear.

Sherpath Simulations User Guide
Features & Functionality - Clinical Guidance
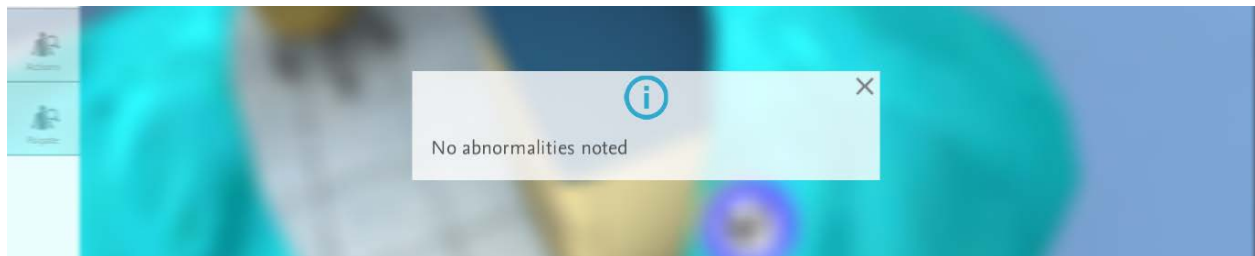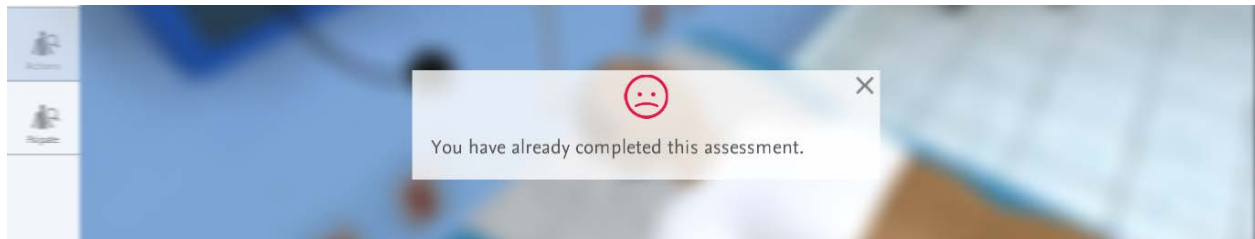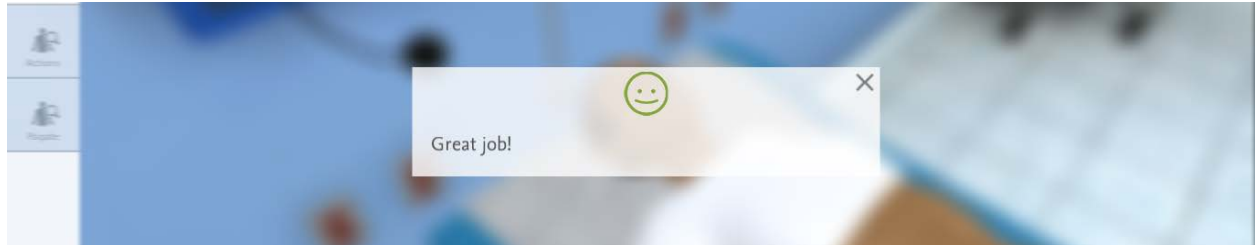
Clinical Guidance popups will appear throughout the simulations, providing feedback to help guide you through the experience. Guidance appears to confirm your actions, inform you of incorrect actions, and to provide general information/instructions. Review these carefully before closing.

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Features & Functionality - After Action Report
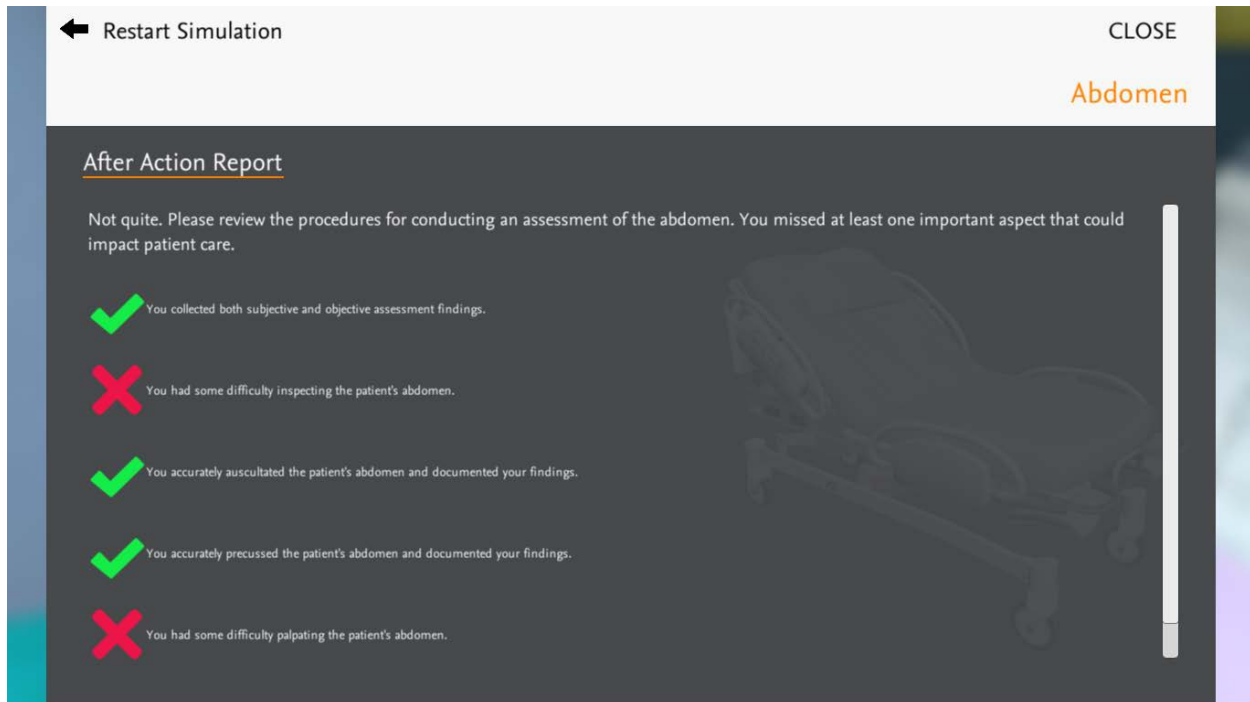
At the conclusion of each simulation, feedback on your performance is provided within the **After Action Report**. The report identifies the results of the actions taken, where correct and/or incorrect actions were taken, and where there's room for improvement.

From this screen, you can also:

**Restart Simulation** – This will take you back to the Simulation Information screen, from which you can retry the simulation.

Close – Takes you back to the Simulation Launch screen within your Sherpath course.

Sherpath Simulations User Guide
Running a Simulation

To start, carefully review the Simulation Information screen.

- Pay attention to the objectives for guidance on what you will be doing during the simulation.
- Note the virtual day and time of the simulation, as this may be pertinent to the simulation.
- Read through the Simulation Background

text carefully, as this will orient you to the patient situation and will offer guidance as to the actions you will need to take during the simulation.
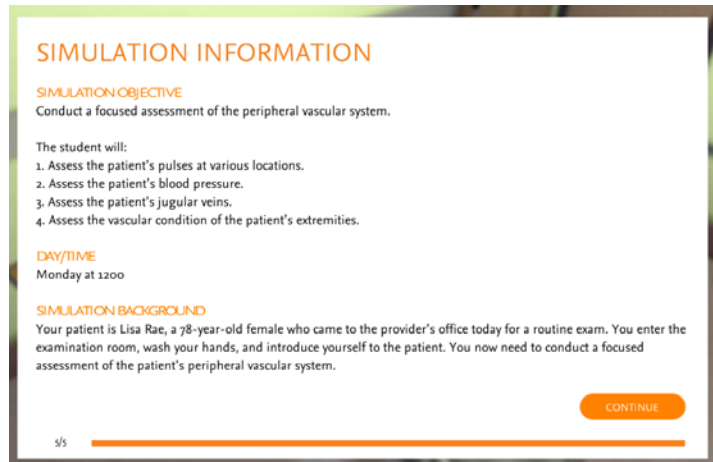
When finished reviewing the Simulation Information, click the **Continue** button to start the simulation. If you need to review this information again once the simulation has started, you can click the **Info** button within the simulation to pull it up again.

As the simulation starts, view the opening animation and listen to the opening dialogue between you and the patient.

Sherpath Simulations User Guide
Running a Simulation (cont)

Next, review the patient's EHR and any SBAR/RN-to-RN reports, if available.

Review the available action options from the menu on the left hand side of the screen – typically **Converse**, **Assessments**, and **Interventions**. Remember that communication is essential and, typically, where you'll want to start.

When conversing with the patient, review all the available options carefully. You will likely need to pay attention to the order in which you select the options. There may also be inappropriate and/or non-therapeutic options that you should avoid selecting.

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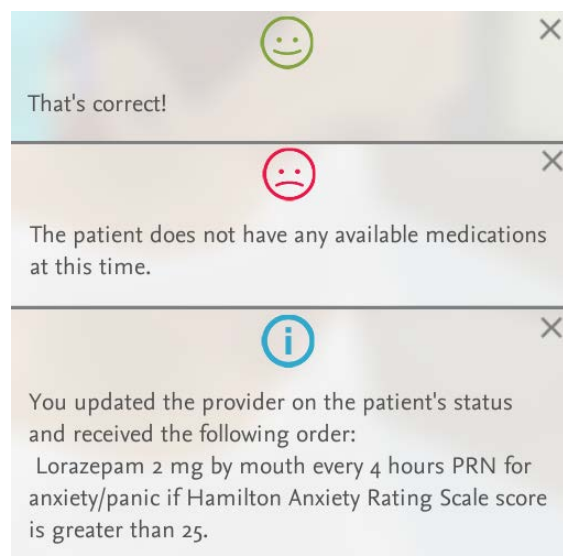## Running a Simulation (cont)

Based on the information you've gathered and the objectives outlined for the simulation, choose from the assessment and intervention options available. Again, think carefully about the order and appropriateness of each action before making a selection.
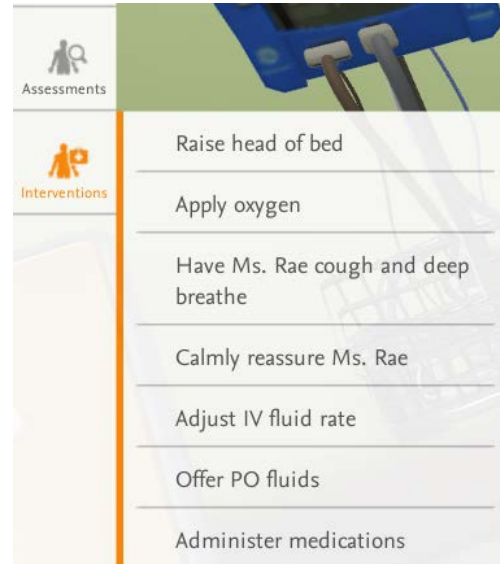
Throughout the simulation, pay attention to the instructions at the top of the screen for guidance on what you should be doing.
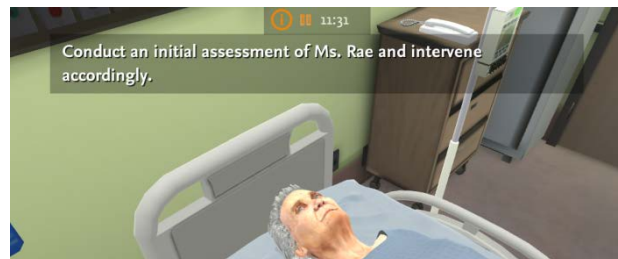
Carefully review any clinical guidance popups that display during the simulation. These will reinforce positive/correct actions taken, offer feedback on any negative/incorrect actions taken, and offer general information/instructions as you progress.
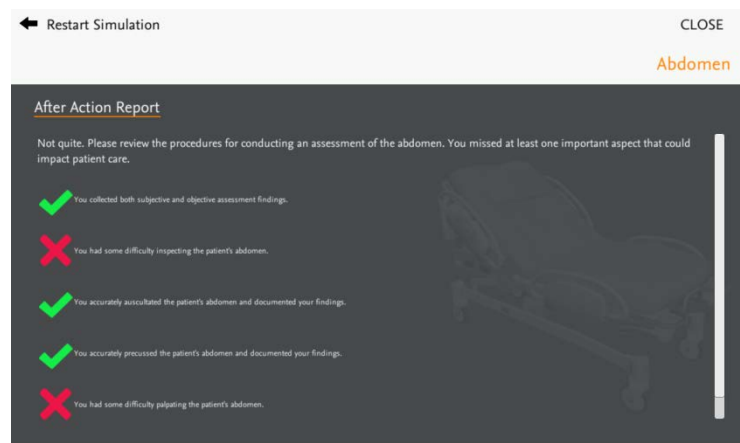
Sherpath Simulations User Guide
Running a Simulation (cont)

If the simulation includes a **Complete Case** button, you'll use the button to indicate when you feel you've completed all the correct and necessary actions.

If the simulation does not include a **Complete Case** button (most do not), the simulation will end automatically once you've completed all the correct and necessary actions. If you feel that you're finished but the simulation has not concluded, carefully review all of the menu options again, as there is likely a needed action you have not yet completed.

At the end of the simulation, the After Action Report will provide a

patient outcome based on the actions you took. It will also provide feedback on your performance in the simulation, including what you did right, what you did wrong, and where there's room for improvement. Review this feedback carefully.

Repeat the simulations as often as you'd like. Try to make it through without making any incorrect actions. Even if you've completed everything within a simulation correctly, you may want to repeat it again to ensure retention.

Sherpath Simulations User Guide
Troubleshooting

General Tips

1. Make sure browser zoom setting is at 100%.
2. Make sure that all other programs/applications are closed.
3. Make sure that all system requirements are met, including
   a. Up-to-date browser
   b. Minimum of 4 GB RAM
   c. Minimum connection/download speed of 8 mbps
4. Ensure that webgl is not disabled in browser settings.
5. Clear cache and reload sim.

Error Messages

Below are some commonly seen issues/error messages, and reasons why they might be seen.
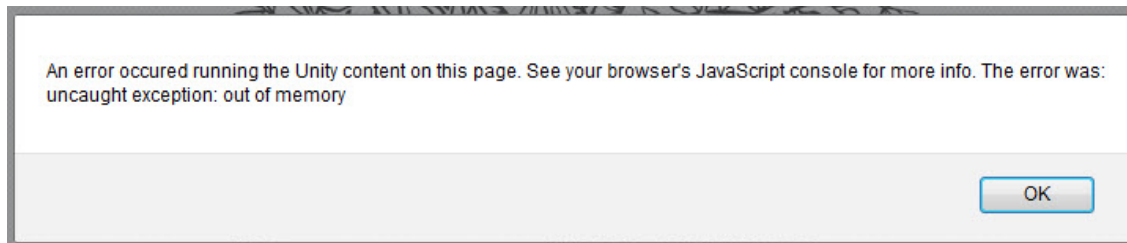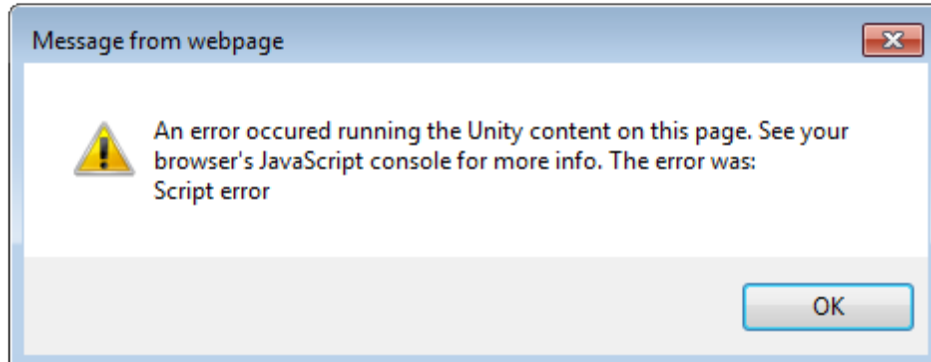

Issue: Seen when attempting to access simulation using a browser that does not support WebGL, or from a browser in which WebGL has been disabled.

Resolution: If using IE or Edge, try using using Firefox, Chrome, or Safari instead. If already using Firefox, Chrome, or Safari, ensure that WebGL has not been disabled in the browser settings.

Sherpath Simulations User Guide
Troubleshooting (cont)

Issue: Seen when a computer tries to access a previously downloaded, outdated (often cached) version of a simulation.
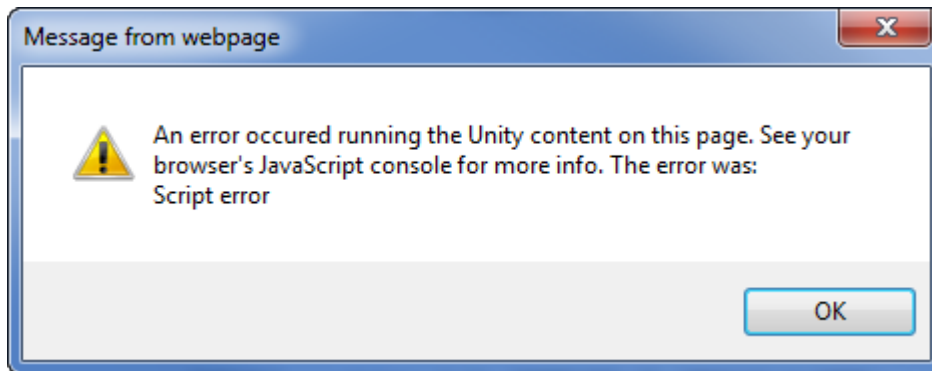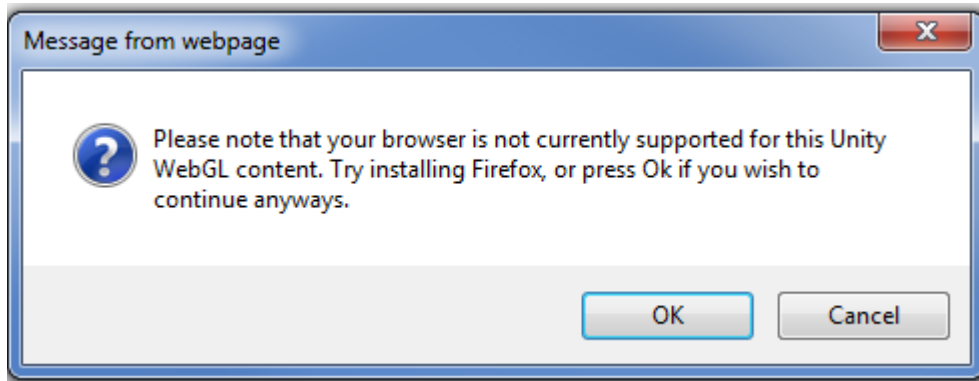
Resolution: Clear your cache, close your browser, and try accessing the simulation again.

Sherpath Simulations User Guide
Troubleshooting (cont)

Issue: IE 11 – Simulations do not run well within IE 11, and will likely cause the following error messages.

If you are unable to get into the simulation using IE 11, the performance will be slow and the audio will not work.

Resolution: Try using Firefox, Chrome, or Safari instead.