



CliniSpace[®] ***Virtual Sim Center***

virtualsimcenter.clinispace.com



CliniSpace Virtual Sim Center

is a 3D, immersive, computer application for practicing patient care and clinical management with interactive devices affecting the health of DynaPatients™.

Practice patient assessment, decision making and interprofessional team communication.



CliniSpace Virtual Sim Center

A Multi-User Virtual Environment replicates real work environments for teams of learners and facilitators who are able to author scenarios for experiential learning in a ward environment.

- ▶ Set up scenarios to replicate or complement your classroom or manikin cases
- ▶ Assemble teams without requiring travel away from work or home
- ▶ Practice inter-professional team communication



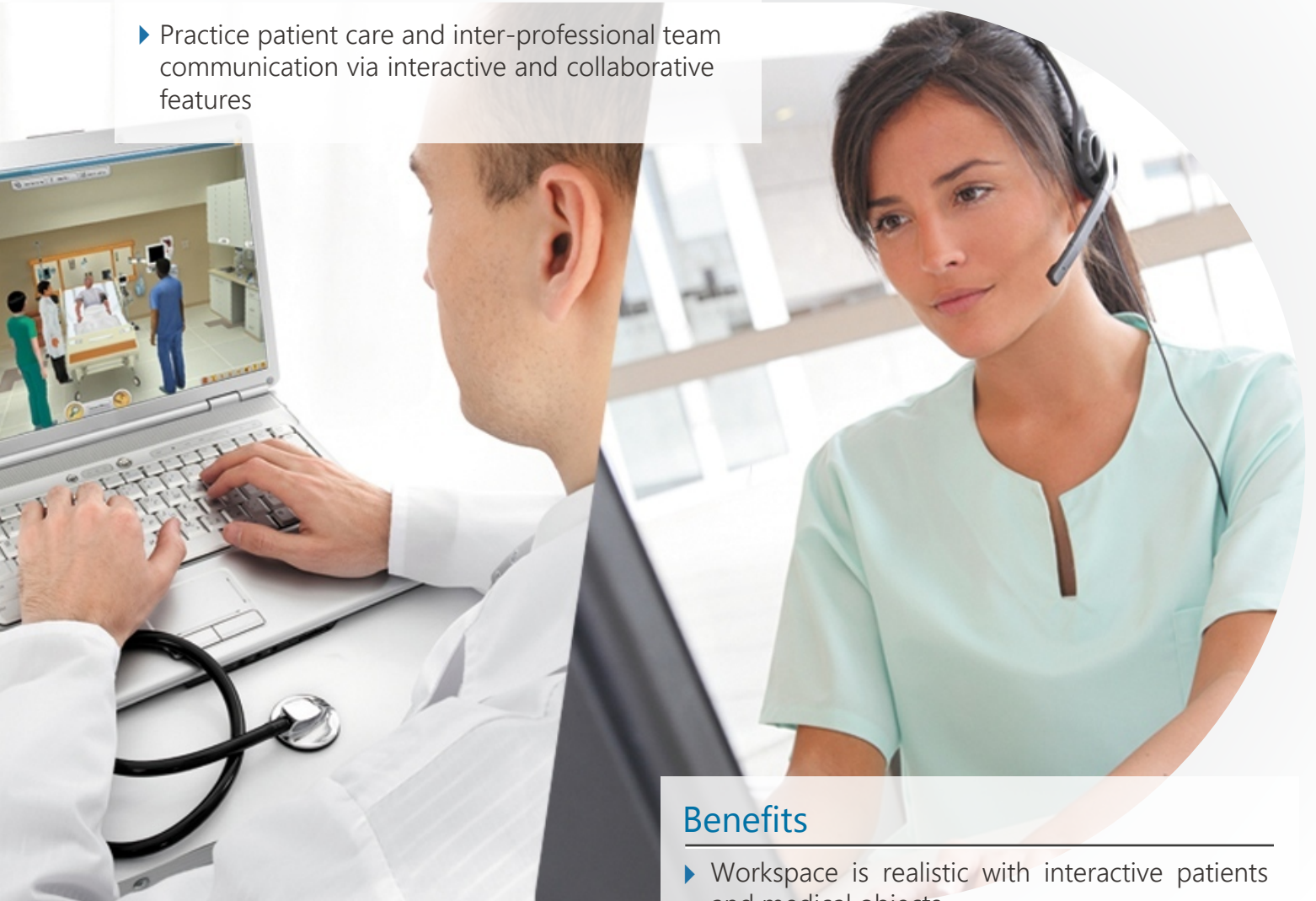
Expand your simulation capability by adding a Virtual Sim Center

- ▶ Collaborate with multiple learners
- ▶ Author your own patient scenarios
- ▶ Interact with dynamic patient & medical objects
- ▶ Practice documentation and use of EMR
- ▶ Track learner performance
- ▶ Be the voice of the patient

Team Work and Inter-Professional Communication

Features

- ▶ Log in, select a character and join the team in your virtual environment.
- ▶ Use your headset to speak with other team members.
- ▶ Practice patient care and inter-professional team communication via interactive and collaborative features

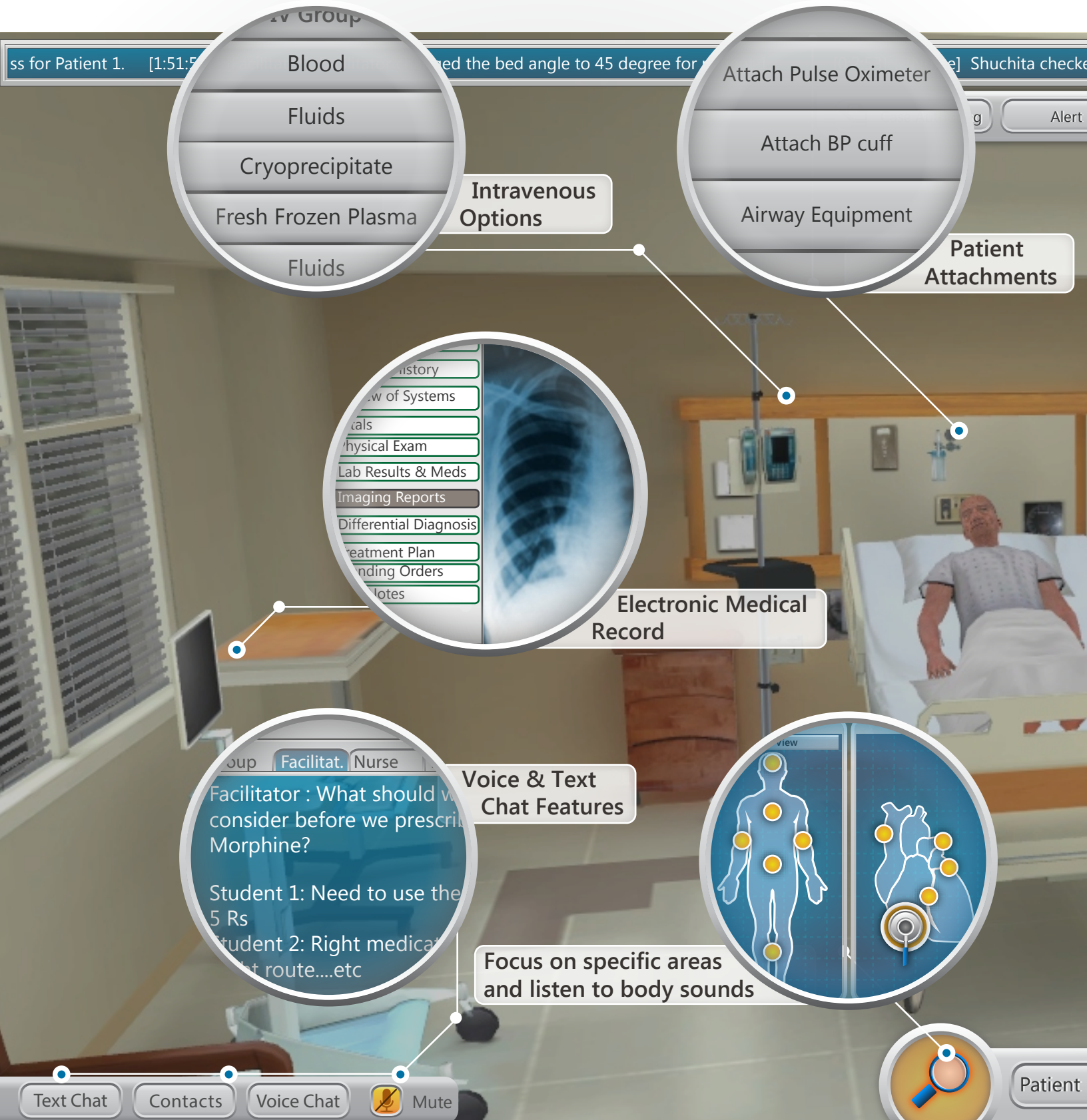


Benefits

- ▶ Workspace is realistic with interactive patients and medical objects
- ▶ Conversing in real time with voice adds significant realism
- ▶ Teams can work together online in real time, from anywhere
- ▶ Facilitator can guide the scenario or remain invisible for observation only

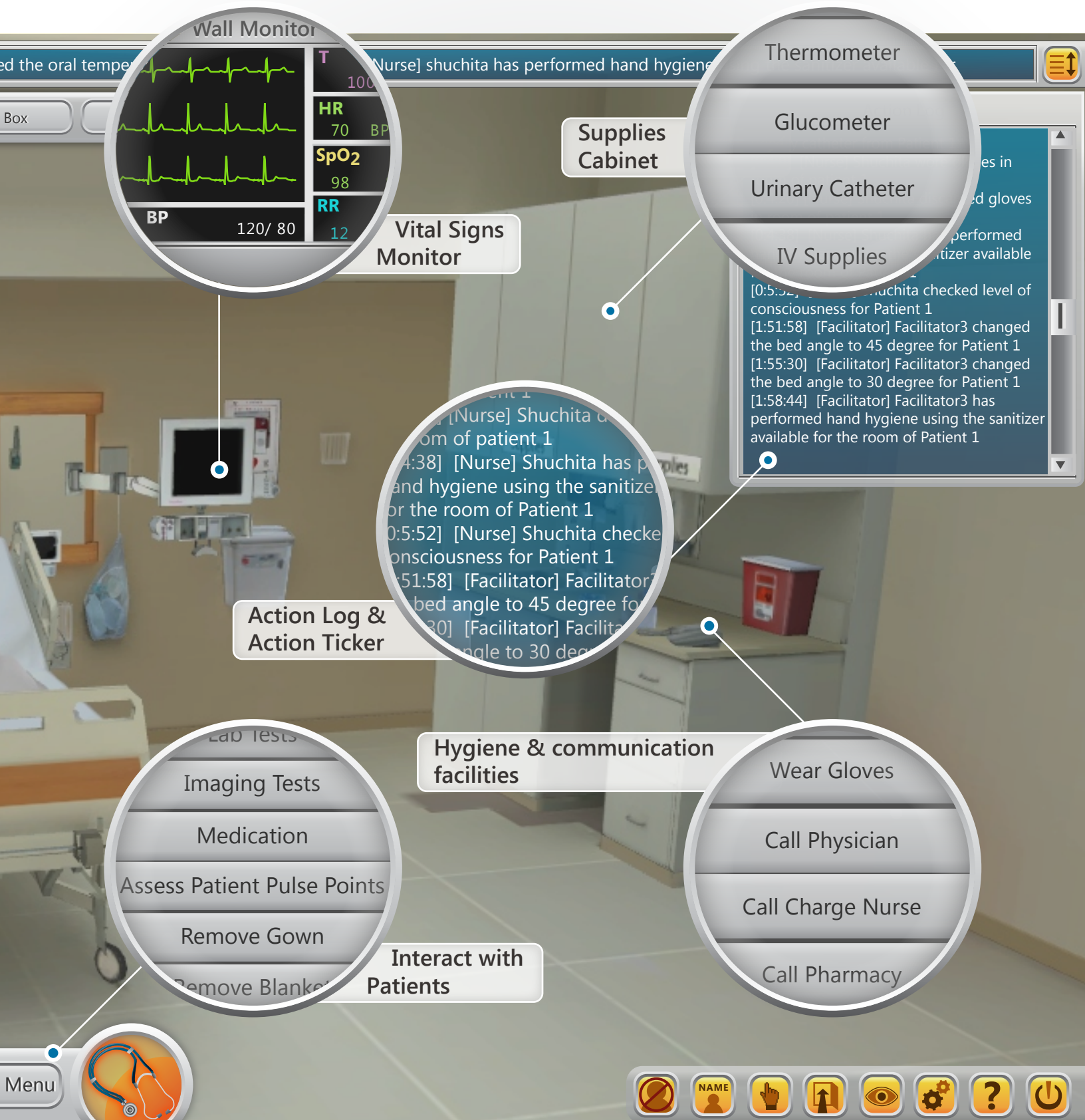
Clinical Interactions

A Rich Interactive Environment replicates a real work environment and helps the learner interact with the patient's history, physical examination, medical and care intervention.



Clinical Interactions

- ▶ Interactive medical objects- equipment, supplies, medication, monitors, furniture
- ▶ Interact with live team members and computer-controlled characters

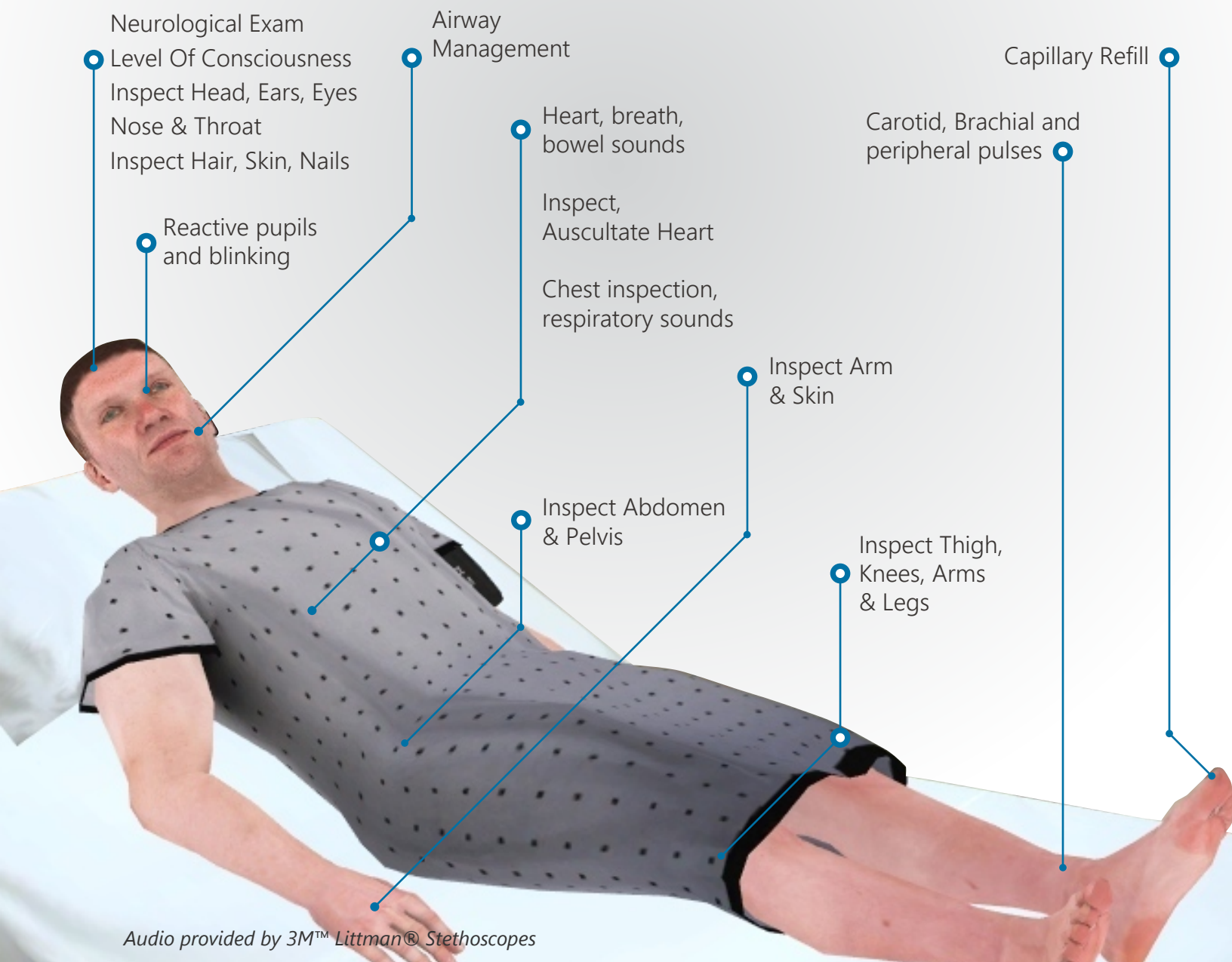


DynaPatients™

Virtual patients of **different ethnicities, gender** and **age** each with evidence-based dynamic physiology that reflects changing clinical status as scripted by the author.



Head-to-toe Patient Assessment



Neurological Exam

- Level Of Consciousness
- Inspect Head, Ears, Eyes
- Nose & Throat
- Inspect Hair, Skin, Nails

- Reactive pupils and blinking

Airway Management

- Heart, breath, bowel sounds
- Inspect, Auscultate Heart
- Chest inspection, respiratory sounds

Capillary Refill

- Carotid, Brachial and peripheral pulses

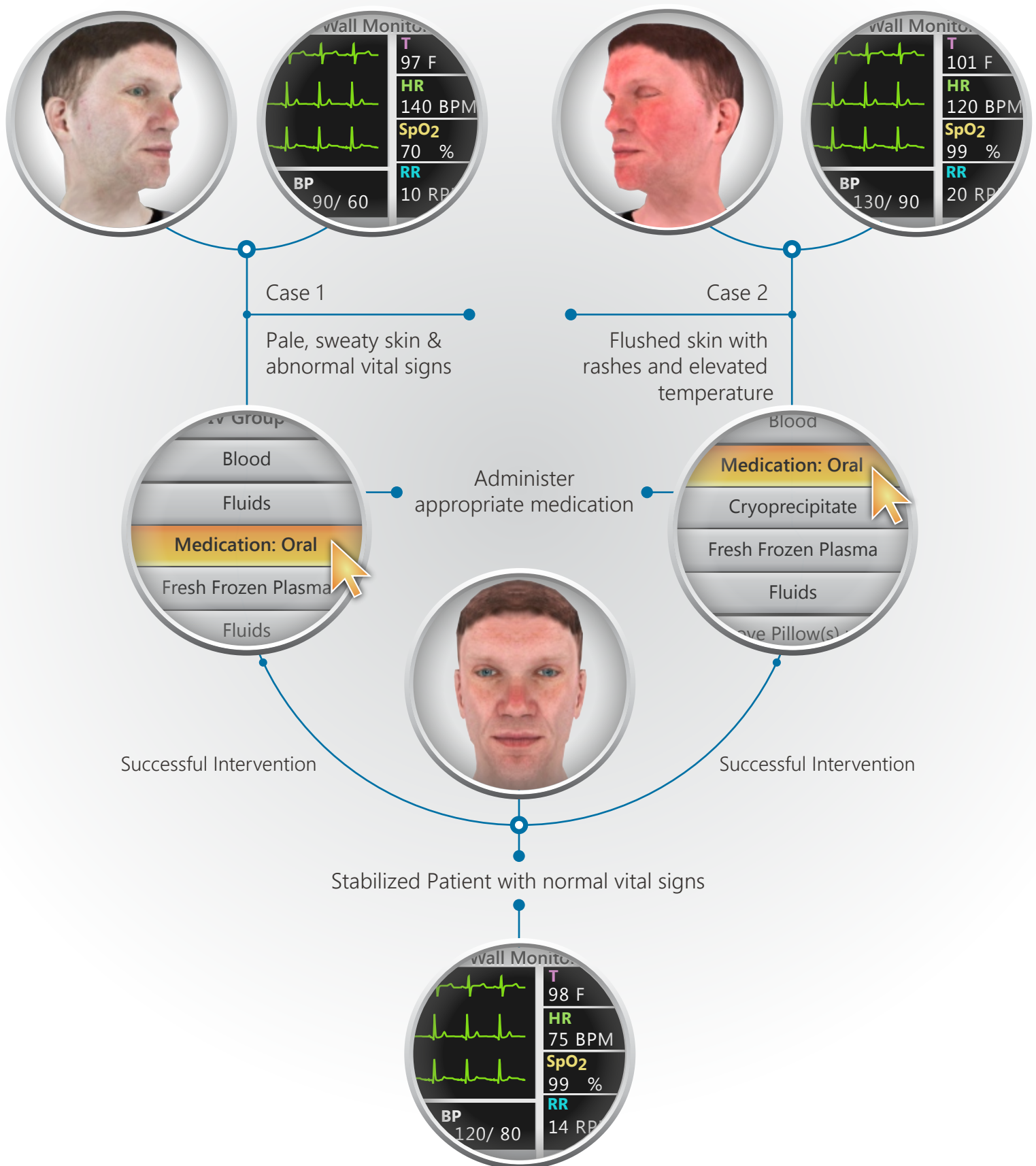
- Inspect Arm & Skin

- Inspect Abdomen & Pelvis

- Inspect Thigh, Knees, Arms & Legs

DynaPatients™

Virtual patients whose **appearance** and **physiologic state** change automatically and can be stabilized or corrected through learner interventions.



Scenario Authoring

Easily **author multiple scenarios** using the feature-rich case authoring tool.

Expected Management	Instructor Information
Approach patient to perform initial A-E assessment	Commencing obs: HR 112 NSR BP 150/60 RR 20 SaO ₂ 93%
AIRWAY: Speak to patient noting clear speech	A – clear Anxious Patient explains sudden onset chest at breakfast. Also nauseated
BREATHING: Look Resp Rate Symmetry Colour Injury Trachea Listen Equal air entry Feel Symmetrical chest movement Attach O2 saturation probe – 93% Attach O2 via hudson mask at 6 lpm	B – Spontaneous RR 20 Symmetrical chest movement Trachea midline Equal air entry SAO ₂ 93% Without O2, sats remain at 93%. With O2, sats improve to 99%
CIRCULATION: Feel Pulse Full, Regular HR from Sats monitor Attach 3-lead ECG BP CRT Check monitor / confirm rhythm IV / IO access Commence N/saline 1000ml TKVO – drug access Morphine, O2, Nitrates, Aspirin Draw bloods FBC, U & E, Hb, BSL, VBGs. Cardiac Enzymes	C HR 112 NSR BP 150/60 CRT 3 secs

- ▶ The CliniSpace Virtual Sim Center includes dynamic patient scenarios.
- ▶ New scenarios can be authored with the supplied authoring tool.
- ▶ The scenarios can be modified locally.

- ▶ Scenarios are stored externally in a standard format and can be shared with other faculty and institutions.
- ▶ An in-world 'dashboard' supports on-the-fly dynamic changes if needed.

Case Authoring Form

Patient 1 ▶ Patient 2

☒ Allow all actions even if not ordered by physician

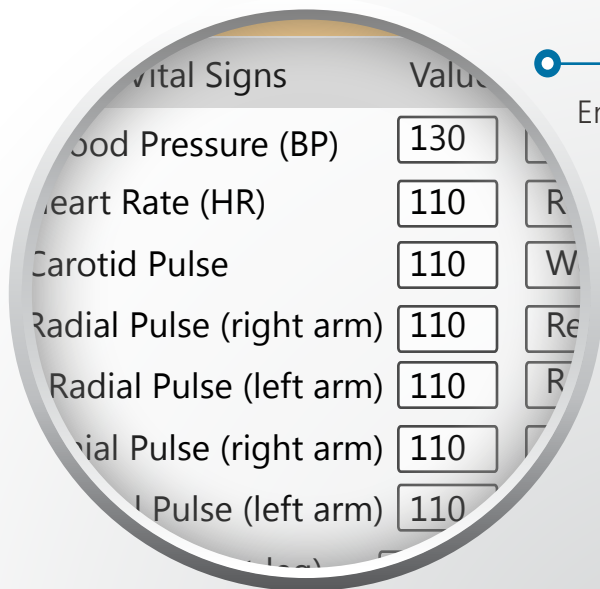
Live 1 2 3 4 5 6 7

Learning Objectives	Patient State	Value	Quality
Patient Set-up	Click on the textbox under value to enter a numerical value. Click on the textbox under Quality to enter text.		
Patient State			
Room Set-up			
Learner-Patient Dialogue Q & A			
Differential Diagnosis			
Recommended Case Protocol			
Imaging			
Labs			
Medications			
Intra Venous options			
Intervention			
Event Authoring			

Ord : Actions ordered by physician | Exec : Actions already executed

Scenario Authoring

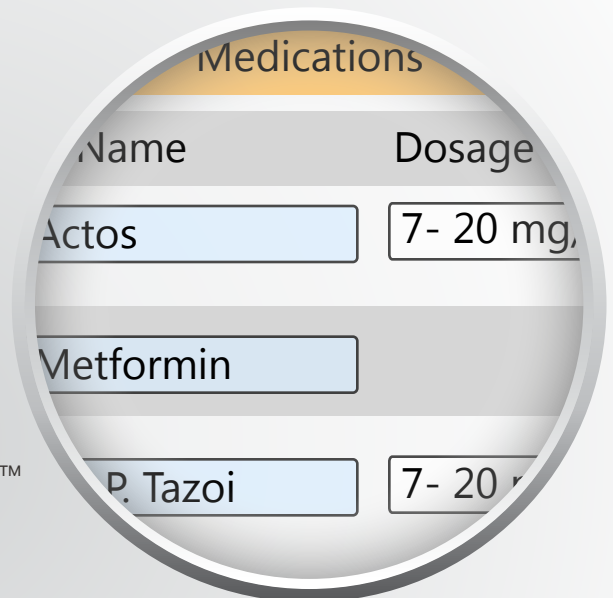
Choose from one of our available 3D patient characters, and proceed to **create** a **rich background** and **clinical scenario**.



Vital Signs

Vital Signs	Value	Unit
Blood Pressure (BP)	130	mmHg
Heart Rate (HR)	110	Beats/min
Carotid Pulse	110	W/min
Radial Pulse (right arm)	110	Re/min
Radial Pulse (left arm)	110	R/min
Radial Pulse (right arm)	110	R/min
Radial Pulse (left arm)	110	R/min

Enter or modify the patient's vital signs, appearance, lab values and imaging results.

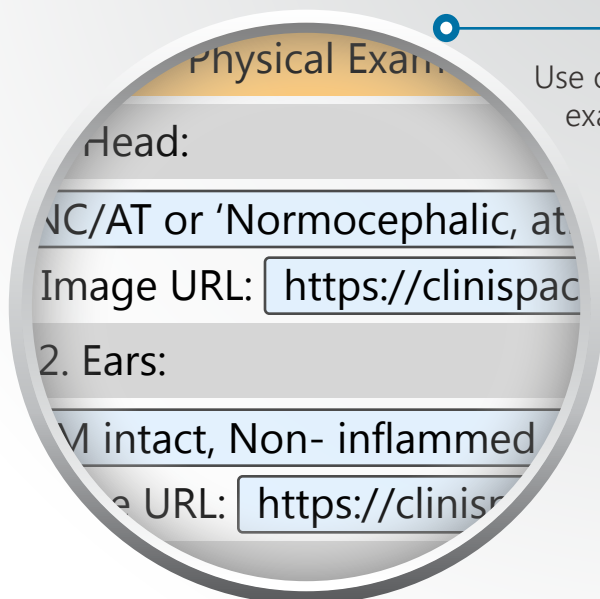


Medications

Name	Dosage
Actos	7- 20 mg,
Metformin	
P. Tazoi	7- 20

Specify desired medications or use our built-in formulary.

Use our library of sound files made available by 3M™ Littmann® Stethoscopes.



Physical Examination

Head:

NC/AT or 'Normocephalic, at

Image URL: <https://clinispac>

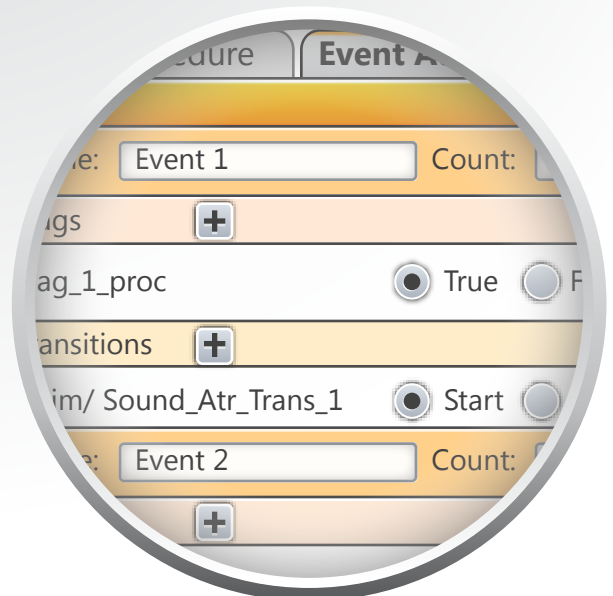
2. Ears:

M intact, Non- inflammed

Image URL: <https://clinispac>

Use our standard text clips for the history and physical examination or modify to fit your case.

Embed imagery from your online library or the web to amplify the case.



Procedure | Event Authoring

Event 1 Count:

Tags +

Tag 1_proc True False

Transitions +

Sound_Atr_Trans_1 Start

Event 2 Count:

Tags +

Create patient dynamics using our powerful event authoring tool.

Electronic Medical Record

Practice **documentation and use** of EMR



- ▶ An Electronic Medical Record is included for each virtual patient.
- ▶ As the learner chooses interventions such as labs, imaging, or medications, the EMR is populated with the actions taken and the results of tests requested.
- ▶ The learner also practices good documentation by using the typing feature to enter their notes into the EMR.
- ▶ For longitudinal cases, the saved notes are available to other students as well.

CliniSpace can provide custom programming services to allow your institution's EMR to be visible and usable within the CliniSpace Virtual Sim Center.

Virtual Patient Electronic Medical Record

Name : Teddy Appleberry		Stats : Male ; 67yrs ; 220 lbs ; 6'1"	
Ethnicity : Caucasian		Marital Status : Married	Religion
Physician : Physician 1			

Patient Profile

Presenting Complaint

HPI (History of Present Illness)

Medical History

Review of Systems

Vitals

Physical Exam

Lab Results & Meds

Imaging Reports

Differential Diagnosis

Treatment Plan

Standing Orders

Notes

Facilitator, Wed, 2 Apr 2014 00:00:04
PE_NEURO_MOTOR: 4, 5

Facilitator, Wed, 2 Apr 2014 00:01:04
PE_NEURO_EYE: 1, EOM Intact

Facilitator, Wed, 2 Apr 2014 00:02:04
PE_NEURO_VERBAL: 2, Oriented

Facilitator, Wed, 2 Apr 2014 00:01:24
PE_NEURO_MOTOR: 3, Obeys Commands

Physical Exam - Neurological (Glasgow Coma Scale)

Eye:	1	EOM Intact
Verbal:	2	Oriented
Motor:	1	Obeys Commands

Physical Exam - Back

Plans and Pricing

Subscription Plans

Starter

Quarterly

Yearly

Price & Term	Free	USD 3000 for 3 Months	USD 10000 for 12 Months
Availability	3 Consecutive days	Available 24x7 for duration of subscription	Available 24x7 for duration of subscription
Scheduling	Contact for scheduling	Available 24x7	Available 24x7
Lead Time for Scheduling	48 Hours <i>Except on Saturday, Sunday</i>	Not Applicable	Not Applicable
Number of Users	Unlimited <i>Up to 4 at the same time</i>	Unlimited <i>Up to 10 at the same time</i>	Unlimited <i>Up to 10 at the same time</i>
Patient Scenarios <i>Starter Package</i>	2	2	2
Authoring Tool <i>Online</i>	Available	Available	Available
Authoring Tool <i>Offline</i>	Not Available	Available	Available
Online Training Included*	2.5 hours	5 hours	5 hours
Support	Email <i>24 - 48 hr response time, except on Saturday, Sunday</i>	Email, Telephone <i>24 - 48 hr response time, except on Saturday, Sunday</i>	Email, Telephone <i>24 - 48 hr response time, except on Saturday, Sunday</i>
* Additional Training available at USD 50/hr.			

Additional Customization costs

Exclusive Case Library Access

Purchase from our extensive library of cases, which are regularly updated. To view cases currently available in our library, please visit www.clinispace.com/caselibrary.html

Component	Cost
Purchase of one of our existing cases	USD 250*
Purchase of a pack of ten cases from our existing library	USD 2000*

** For lifetime use only within the Virtual Sim Center Environment*



Custom Case Creation

For a fee of **USD 500 per case**, we can create a customized case as per your specific requirements. Please note the following:

- ▶ Custom case parameters to be provided by the client for case creation and must comply with existing CliniSpace authoring framework
- ▶ Required authoring form for custom case creation to be provided by CliniSpace

CliniSpace Virtual Sim Center

CliniSpace Virtual Sim Center expands the walls of your physical Simulation Center.

"My students practice the basics of scenarios and communication before spending precious simulation time with the manikin."

"CliniSpace exposes students to more cases than they can complete within our physical simulation center."

"We use the detailed performance tracking capabilities built into CliniSpace to perform research studies."

"CliniSpace brings simulation into the curriculum and even into the classroom."



Call us and tell us how you would like to use our virtual simulation center!

www.clinispace.com
info@clinispace.com

12600 Roble Ladera Road
Los Altos Hills, CA 94022
+1.650.208.8242