



Stage III™ Anesthesia Simulation

Version 3.3.0.1 Release 1.1.2.0

Comparison of Features

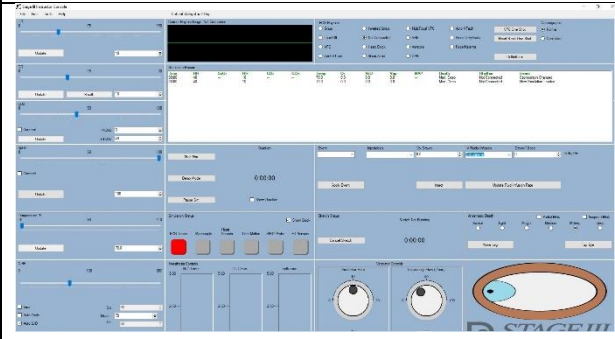


Academic and Technician Educator Editions

Stage III™ is available in several different editions each having a different set of features. This document details the primary differences between the Academic and Technician Educator editions. All editions of *Stage III™* require a Windows® 10 PC having a video display card with outputs for two monitors. The Academic and Corporate editions of *Stage III™* are both full feature versions while the Technician Educator version has fewer features and options aligning with its lower price point. The main differences between the Academic and Technician Educator Editions are summarized in the following table.

Stage III™ Feature	Academic	Technician	Remarks
# ECG Rhythms	14 Rhythms	8 Rhythms	A sinus arrhythmia rhythm will be soon added to academic/corporate versions
Defibrillator	Present	Absent	Defibrillator can be used to convert shockable rhythms. Post defib rhythm and heart rate can be preset
Ventilator	Present	Absent	Anesthesia ventilator will be added to academic/corporate versions 1.1.2.2
Sketches	Multiple rhythms and depths within a sketch. Delay and duration adjustable.	Beginning and ending rhythms and depths. Delay and duration fixed.	More rhythms, depths and the ability to add delays and change durations make sketches more realistic
Single Breath	Present	Present	Single Breath used when student manually ventilates patient

ECG Rhythms

The Academic Edition contains many more rhythms and the ability to finely control the frequency and character of rhythms such as VPC's, Heart Block and Sinus Arrest. In addition, the Academic Edition adds a defibrillator that can be used in CPR patients displaying ventricular fibrillation with the ability to automatically switch to a post defibrillation rhythm and hear rate.

ECG Rhythms	
Academic Controls	Technician Educator Controls
	
<p>ECG Rhythms</p> <ul style="list-style-type: none"> <input type="radio"/> Sinus <input type="radio"/> Lead Off <input type="radio"/> VPC <input type="radio"/> Core V-Tach <input type="radio"/> Inverted Sinus <input type="radio"/> Not Connected <input type="radio"/> Heart Block <input type="radio"/> Sinus Arrest <input type="radio"/> Multifocal VPC <input type="radio"/> Atrial V-Tach <input type="radio"/> Sinus Arrhythmia <input type="radio"/> Atrial Fibrillation <input type="radio"/> Hyperkalemia <input type="radio"/> VPC One Shot <input type="radio"/> Heart Block One Shot <input type="radio"/> Defibrillator <input type="radio"/> Normal <input type="radio"/> Camptocorps <input type="radio"/> Occlusion 	<p>ECG Rhythms</p> <ul style="list-style-type: none"> <input type="radio"/> Sinus <input type="radio"/> Lead Off <input type="radio"/> Core V-Tach <input type="radio"/> Inverted Sinus <input type="radio"/> Not Connected <input type="radio"/> VFB <input type="radio"/> Atrial Fibrillation <input type="radio"/> Atrial Tachycardia <input type="radio"/> VPC One Shot <input type="radio"/> Heart Block One Shot <input type="radio"/> Normal <input type="radio"/> Camptocorps <input type="radio"/> Occlusion
Academic Rhythms	Technician Educator Rhythms
	<p style="text-align: center;">Defibrillator Not Available</p>

Mechanical Ventilator

The upcoming release version 1.0.2.0 of the Academic Edition contains a mechanical ventilator allowing the student to adjust RR and Inspiratory Flow to effect changes in patient Minute Ventilation.



Sketches

Sketches are preprogrammed pathways through a simulation and are useful in many simulation scenarios particularly when multiple parameters need to change quickly. The Academic Edition allows much greater control of the design of sketches permitting flexibility over how ECG rhythms and depth of anesthesia changes as well as providing the ability to change the sketch's delay and duration.

Single Breath

The Academic Edition allows the instructor to insert single breaths into the simulation when a student manually ventilates the patient or gives a sigh breath. Students are able to visualize a change in the capnograph waveform as well as a change in the displayed RR in response to their ventilation efforts.