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Cardiology Patient Simulator K Version II

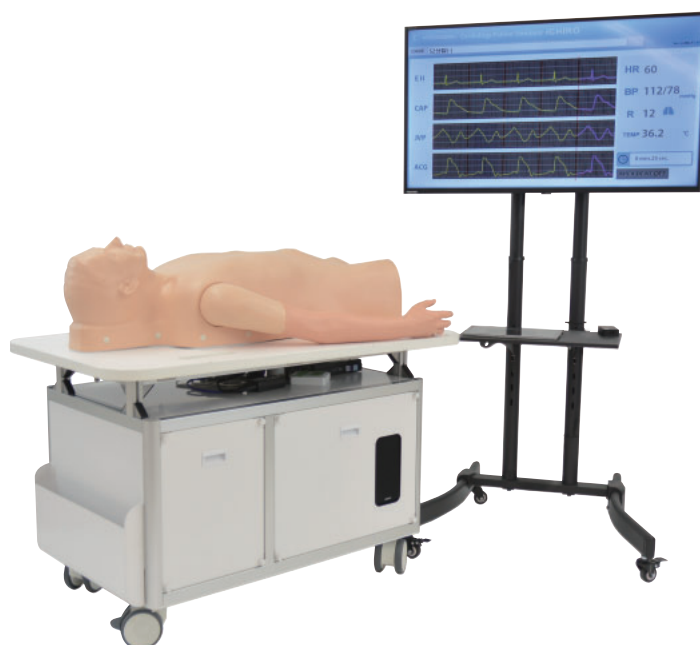
Hone your senses and skills for bedside cardiology

See, listen, and feel

The cardiology patient simulator K II provides comprehensive hands-on training in cardiology and its complications

Product Supervision:

Japanese Educational Clinical Cardiology Society,
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CASES

(MODE 1) Comprehensive patient simulation with sounds, pulses, apex beats and ECG

No.	Normal heart simulation (12 cases)	No.	Heart disease simulation (14 cases)	No.	Arrhythmia (10 cases)
A-01	S2 split (-) HR: 60	B-01	aortic stenosis	C-01	sinus arrhythmia
A-02	S1 split (+)	B-02	mitral regurgitation	C-02	sinus tachycardia
A-03	S2 split (+)	B-03	mitral stenosis	C-03	sinus bradycardia
A-04	S2 wide split	B-04	aortic regurgitation	C-04	ventricular premature contraction (1)
A-05	S3 gallop	B-05	hypertrophic cardiomyopathy	C-05	ventricular premature contraction (2)
A-06	S4 gallop	B-06	mitral steno-regurgitation	C-06	ventricular premature contraction (3)
A-07	pulmonic ejection sound	B-07	pulmonic valvular stenosis	C-07	sino-atrial block
A-08	S3 and S4 gallop	B-08	atrial septal defect	C-08	atrio-ventricular block
A-09	innocent murmur	B-09	ventricular septal defect	C-09	atrial fibrillation
A-10	midsystolic click sound	B-10	tricuspid regurgitation	C-10	atrial flutter
A-11	S2 split (-) HR: 72	B-11	acute mitral regurgitation		
A-12	S2 split (-) HR: 84	B-12	patent ductus arteriosus		
		B-13	mitral valvular prolapse		
		B-14	dilated cardiomyopathy		

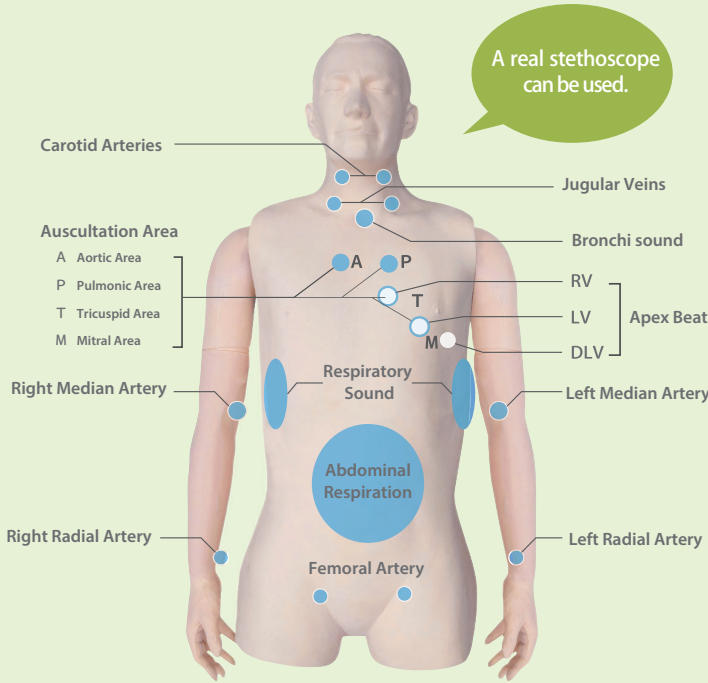
(MODE 2) Arrhythmia simulation, auscultation training with ECG

A	B	C	D
A-01	normal sinus R	C-01	VVI pacemaker
A-02	sinus tachycardia	C-02	atrial pacemaker
A-03	sinus arrhythmia	C-03	vent pacemaker
A-04	apc solitary	C-04	av seq pacemaker
A-05	apc bigeminy	C-05	icrbbb
A-06	ectopic pacemaker	C-06	crbbb
A-07	wondering pacemaker	C-07	clbbb
A-08	coronary sinus R	C-08	clbbb
A-09	sinus bradycardia	C-09	clbbb (by ami)
A-10	ss syndrome	C-10	wpw syndrome
A-11	atrial fibrillation	C-11	wpw syndrome
A-12	atrial flutter	C-12	wpw syndrome
A-13	atrial flutter fib	C-13	vpc (solitary)
	B-01		D-01
	B-02		D-02
	B-03		D-03
	B-04		D-04
	B-05		D-05
	B-06		D-06
	B-07		D-07
	B-08		D-08
	B-09		D-09
	B-10		D-10
	B-11		D-11
	B-12		D-12
	B-13		D-13

Basic Skill Training

Physical findings of Simulator K Version II

Comprehensive Clinical Examination Training



Heart Sounds and Murmurs

Auscultation synchronized with electrocardiograms and findings

- differentiation of S1, S2, S3 and S4
- distinction between systolic and diastolic murmurs

Pulse examination

Slight variations of the arterial pulse waves under different cardiac conditions or arrhythmias can be detected by pulse examination

Observation of Jugular Veins

The strength and timing of "α" and "V" waves vary with cases

Palpation of Apex Beat

Simulated RV, LV and DLV can be palpated

Monitoring Screen

Real time dynamic charts on the screen:

- phonocardiogram
- sphygmogram (CAP/JVP/AC)
- electrocardiogram (ECG)

Respiratory Sounds and Abdominal Movement

Respiratory cycles are represented to understand respiratory conditions

For Effective Training Sessions

Up to 5 Simulators at One Time

OSCE, group session, and scenario-based simulation



Up to five cardiology simulated cases can be controlled by one wireless tablet. Different conditions can be set in each simulator

The system allows for:

- scenario-based training involving more than one patient
- skills assessment sessions with different cardiovascular stations

Playlist System

Simulator "K" is not just for individual task training

The incorporated "Play List Maker" facilitates creation of scenario-based training sessions with conditions that vary over time

Playlist Maker facilitates:

- sessions with temporal change in physical findings
- standardization of training contents among different instructors
- saving time for preparation

Ready-to-use

Simple connection and all-in-one unit structure

Error Indicator

The error indicator performs check-up of the system to keep Simulator K in its best condition

DESCRIPTIONS

SPECIFICATIONS

Size: W145 x D75 x H170 cm / W57 x D30 x H70 in.

Weight: 145kg/320lbs

Power: AC100V-240V 50/60Hz

Power Consumption: 400W

MATERIALS

Soft resin, hard resin
Latex free

SET INCLUDES

- 1 main unit with the model body
- 1 external speaker (built-in)
- 1 PC / keyboard / mouse (built-in)
- 1 air compressor unit (built-in)
- 1 main monitor

- 1 tablet
- 1 rib sheet
- 4 textbooks
- 2 instruction manuals

* A stethoscope is not included.