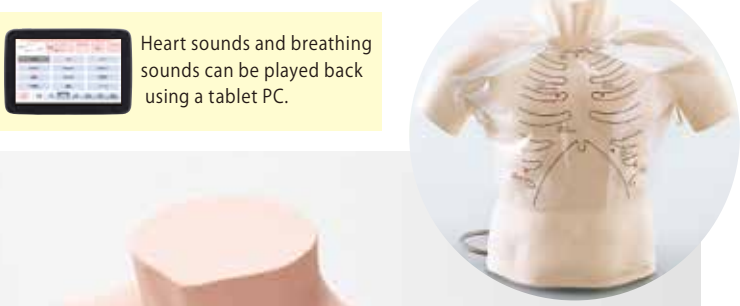
M164-1

Sakamoto Auscultation Simulator Ⅱ

Renewal

● Weight/About 6kg ● Case size/W65×D58×H28cm
● Accessories/ Tablet PC, Wi-Fi router, Stethoscope, Chest cover, Wireless speaker, Storage case

By reproducing various symptoms, supports practice of auscultation with a feeling of being in a clinical situation



Heart sounds and breathing sounds can be played back using a tablet PC.

Chest cover
(Indicate ausculatory site)

Wireless speaker

"Choshin-kun II" uses a computer to realistically reproduce the patient's heart sounds and breathing sounds.
This is an educational model that aims to improve auscultation skills, allowing students to listen for the characteristics of a disease while checking each body part using a stethoscope.
You can practice repeatedly anywhere, including hospitals, schools, training venues, and your home.
It is also useful for improving the auscultation skills of emergency medical technicians during emergencies.

Option

M164 exclusive wagon

Features

1 Learning through practice with a sense of reality

Sternum and soft touch of the skin.

Seven built-in speakers (volume adjustable) provide true-to-life experience of hearing cardiac and breath sounds of actual patients by applying a stethoscope.

2 Realistic auscultatory sounds

Reproduction of complicated cases is possible by combinations o f 20 cases of cardiac sounds and 12 cases of breath sounds.

A tablet PC can be used to realistically check differences in ascultation sounds for each case.

Practical clinical training with areal s ense of p resence which is ideal for learning a scultation techniques.

Heart sounds and breathing sounds can be playedback via a tablet PC as well as directly from the body.

3 Adjustable to details

The heart rate and respiratory rate are adjustable.

The volume of cardiac and breath sounds is adjustable in each region (cardiac and pulmonary regions) or all regions.

Practice

Cardiac sounds

1 Normal (no splitting of the second sound)
2 Normal (split second sound)
3 Abnormal split second sound
4 Increased apical second sound in hypertension
5 Apical fourth sound
6 Innocent murmur
7 Aortic ejection sound
8 Mid-systolic clicks
9 Mitral escape clicks /murmur
10 Tricuspid insufficiency
11 Mitral stenosis
12 Mitral insufficiency
13 Aortic stenosis
14 Aortic insufficiency
15 Subaortic stenosis
16 Atrial septal defect
17 Ventricular septal defect
18 Pulmonary stenosis
19 Acute mitral insufficiency
20 Pulmonary insufficiency

Breath sound

	Major Category	Minor Category	Disease
1	Normal alveolar breath sound		Normal
2	Intermittent rales (moist rales)	Fine crackles	Interstitial pneumonia, pulmonary fibrosis / pulmonary edema
3	Intermittent rales (moist rales)	Coarse crackles	Pulmonary edema, pneumonia, alveolar effusion
4	Continuous rales (dry rales)	Low-pitched continuous rales Low pitched rhonchi (sonorous rhonchi)	Stenosis of middle large bronchi, bronchial secretion
5	Continuous rales (dry rales)	High pitch rhonchi, wheeze 1	Bronchiolar stenosis, brochial asthma
6	Continuous rales (dry rales)	High pitch rhonchi, wheeze 2	Bronchiolar stenosis, brochial asthma
7	Tachypnea	Consonating rales	Nervous dyspnea
8	Intensified bronchovesicular sounds		Resting dyspnea
9	Continuous rales (dry rales)+ intermittent rales (moist rales)	High pitch rhonchi, wheeze+fine crackles	Cardiac asthma
10	Continuous rales (dry rales)	High pitch rhonchi, wheeze+prolonged exhalation	Bronchial asthma
11	Abnormal respiratory pattern	Tachypnea (shallow respiration) 60times / min	Central hyperpnea (midbrain disorder) hyperventilation syndrome
12	Abnormal respiratory pattern	Kussmaul respiration 36times / min	Diabetic ketoacidosis, uremia

Specifications

Size	Main unit W55×D23×H50cm
Heart sounds	20 cases×4 sites
Heart rate	adjustable
Respiratory sounds	12 cases×3 sites
Respiratory rate	adjustable

Volume	adjustable
Power source	AC100V 50/60Hz
Consumption of electricity	15W
Operating temperature range	5～40℃