MW28

Lung Sound Auscultation Trainer "LSAT" II

Used by 96% of medical faculties in Japan.

Improve lung assessment skills by combining theory and practice with real lung sound recordings and case information.

Product Supervision

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* A stethoscope is not included.

CASES

Background heart sounds are available in 5 volume levels.

Normal	
A01	standard
A03	mildly strong sounds
A05	mildly rapid
A07	loud heart sounds

Coarse crackles	
C01	right lower area
C03	both lower area
C05	right upper and middle area
C07	left lower area
C09	both upper area
C11	whole area

Wheezes	
E01	upper area 600-700Hz
E03	upper area 350-450Hz
E05	upper area 200-1000Hz

Miscellaneous continuous sounds	
G01	stridors
G03	squawks

| Abnormal	
B01	weak: left lower area
B02	weak: left whole area (adhesion)
B05	weak: left whole area(pneumothorax)
B07	absent: right middle and lower areas
B09	weak: right whole area
B11	absent: right whole area
B13	weak: whole area
B15	bronchial breathing

Fine crackles	
D01	both lower area
D03	both middle lower area
D05	whole area (IPF)
D07	whole area (NSIP)

Rhonchi	
F01	trachea and upper area 150-250Hz
F03	trachea and upper area 150-450Hz (polyphonic)
F05	trachea and upper area 80-120Hz
F07	whole area 80-200Hz

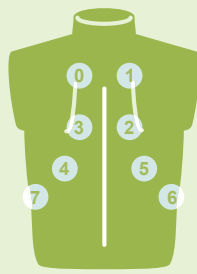| Miscellaneous	
H01	pleural friction rubs: right lower and middle area
H03	pleural friction rubs: left lower area
H07	Hamman's sign
H09	Vocal fremitus

👍 KEY FEATURES

Basic Features
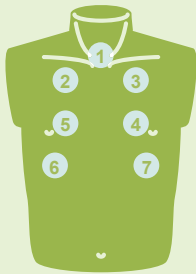
Anterior

1. trachea
2. upper right lung field
3. upper left lung field
4. middle left lung field
5. middle right lung field
6. lower right lung field
7. lower left lung field

Posterior
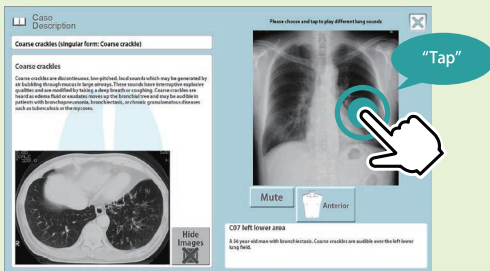
0. upper left lung field
1. upper right lung field
2. middle right lung field
3. middle left lung field
4. lower left lung field
5. lower right lung field
6. right costophrenic angle
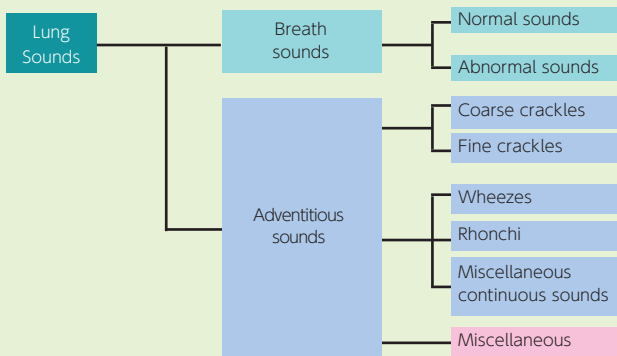7. left costophrenic angle

Case Information

Images of plain X-ray, CT and bronchoscopy are included.

Lung sound of each area can be played by tapping the plain X-ray image

Classification of Lung Sounds

Based on acoustic analysis of recorded lung sounds, each one is classified according to the American Thoracic Society's standards. With this approach, lung sounds are categorized as continuous (wheezes, rhonchi, or stridor) or discontinuous (crackles). Crackles are further identified as fine or coarse.

Lung Sounds	Breath sounds	Normal sounds
		Abnormal sounds
	Adventitious sounds	Coarse crackles
		Fine crackles
		Wheezes
		Rhonchi
		Miscellaneous continuous sounds
		Miscellaneous

NEW Features

📶 Wireless multi-unit operation

Up to five "LSAT" can be controlled by one tablet.

1 2 3 4 5

- Each simulator can be individually programmed
- Cases can be switched at any time with a simple touch

🔊 Simultaneous anterior and posterior auscultation

Two or more trainees can work together at the same time

💡 LED light panel to indicate inspiration and expiration

Attention to respiration rate while auscultating during examination

📋 Create a custom playlist

Playlist mode with 36 different cases enables optimization of training sessions.

DESCRIPTIONS

SPECIFICATIONS

Size: W39 x D49 x H127 cm /
    W15.3 x D19.3 x H50 inch

Power: AC100V-240V 50/60Hz

Power Consumption: 180W

MATERIALS

Soft resin
Latex free

SET INCLUDES

1	LSAT Ⅱ main unit
1	external speaker incl.
1	tablet
1	LSAT T-shirt
1	instruction manual

KYOTO KAGAKU