

# MATT&Pediatric MATT


## Maverick Auscultation Task Trainers



**MAVERICK**  
Technology Transformation Partners





A close-up photograph of a healthcare professional, likely a nurse or doctor, wearing blue scrubs, a blue surgical mask, and blue gloves. They are holding a silver stethoscope in their right hand, with the chest piece facing the camera. The background is softly blurred, showing what appears to be an indoor setting with some greenery.

Maverick Auscultation  
Task Trainers



## MATT & Pediatric MATT

Our portable auscultation skills trainers are highly effective for learning cardiac, lung and abdomen auscultation points and sounds.

A rich library of sounds with amplified details for trainees to develop their patient assessment skills will allow for both cost and time efficiencies in your training programs, while ensuring the highest standards in learning outcomes.





The sounds library conforms to American Thoracic Society guidelines.





## Easy to teach... Easy to learn!

- Adult and Pediatric manikins available
- 39 Heart, 9 Lung and 14 Abdomen sounds
- Anterior and Posterior auscultation points
- All auscultation points light up
- Transmit sounds to external speakers
- Compatible with a real stethoscope



Challenge assessment skills from clear clinical findings to detecting faint murmurs. The flexible operating tablet allows you to:

- Activate or deactivate auscultation points and backlighting individually
- Adjust volume and intensity of sounds
- Change HR and RR for a sound that is currently being reproduced
- Compare sound recordings
- Sound matches ECG diagrams and other vital parameters



Available in several skin tones

# Intuitive operating tablet to support gradient levels of skills development

The screenshot shows the Maverick simulator interface with several callout boxes pointing to specific features:

- Adjustment Heart Rate and RR:** Points to the Heart Rate (60) and Respiration Rate (18) displays.
- 2 operating modes: external speakers / stethoscope:** Points to the Stethoscope icon in the top right.
- Auscultation point selection:** Points to the anatomical diagrams of the human torso showing various auscultation points like Aortic valve, Pulmonary valve, Erb's point, Mitral valve, Tricuspid valve, and Mitrals.
- Auscultation area selection:** Points to the icons for Heart, Large anterior, Large posterior, and Small.
- Auscultation point selection, highlighting and volume control:** Points to the volume sliders for Mitral valve, Aortic valve, Pulmonary valve, Tricuspid valve, and Erb's point.
- Soundwaves, ECG and RR graphs:** Points to the waveform displays at the bottom of the screen.
- ECG and RR graphs:** Points to the ECG and RR buttons at the bottom.
- Activating the two-sound compare mode:** Points to the Compare button at the bottom.
- Simultaneous volume control at all points:** Points to the Mute All, Default, and Max Volume buttons at the bottom.

Maverick simulator software allows for analyzing sounds in four critical areas: cardiac, lungs (anterior & posterior) and abdominal quadrants. Two different sounds can be compared within the same auscultation area. ECG and Respiratory Rate (RR) graphs are also shown.



# Features

## Cardiac auscultation

- Normal heart sound
- Split first heart sound
- Split second heart sound
- Third heart sound (gallop)
- Fourth heart sound (gallop)
- Functional murmur
- Diastolic murmur
- Opening snap
- Holosystolic murmur
- Early systolic murmur
- Mid-systolic murmur
- Continuous murmur
- Austin Flint murmur
- Pericardial rub
- Graham Steell murmur
- Aortic valve regurgitation
- Aortic valve stenosis
- Aortic stenosis and regurgitation
- Mitral valve regurgitation
- Mitral valve stenosis
- Mitral valve prolapse
- Mitral valve stenosis and regurgitation
- Mitral valve stenosis and tricuspid valve regurgitation
- Pulmonary valve stenosis
- Pulmonary valve regurgitation
- Tricuspid valve regurgitation
- Coarctation of the aorta
- Hypertrophic cardiomyopathy
- Patent ductus arteriosus
- Atrial septal defect
- Ventricular septal defect
- Acute myocardial infarction
- Congestive heart failure
- Systemic hypertension
- Acute pericarditis
- Dilated cardiomyopathy
- Pulmonary hypertension
- Tetralogy of Fallot
- Ventricular aneurysm

## Auscultation of lungs (anterior & posterior)

- Bronchial respiration
- Vesicular respiration
- Diminished vesicular respiration
- Coarse crackles
- Fine crackles
- Wheezes
- Rhonchi
- Stridor
- Pleural friction rub

## Abdomen auscultation

- Normal bowel sound
- Hyperactive sounds
- Hypoactive sounds
- Borborygmus
- Capotement
- Peritoneal friction rub
- Normal bowel sound with bruits
- Irritable bowel syndrome
- Diarrhea
- Bruits due to renal arteries stenosis
- Constipation
- Ulcerative colitis
- Crohn's disease
- Paralytic ileus

## Highlights

- 39 heart sounds
- 9 lung sounds
- 14 abdomen sounds
- All the auscultation positions light up
- Sounds can be transmitted to an external speaker
- Realistic manikin skin
- Anterior and posterior auscultation points
- Rotatable platform
- Compatible with a real stethoscope

# Contact us

For Sales or Technical Information  
Please Contact [info@mavericsolution.com](mailto:info@mavericsolution.com)



**Maverick** is a company committed to the advancement of quality education in healthcare through simulation. Innovative design and cutting-edge technologies define its range of adult, pediatric, neonatal and surgical simulators.

For further information about any of our products, please contact your local regional representative.

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## Sales Enquiries:



### MAVERIC SOLUTION INC

367-368, Vardhman Crown Mall, Sector-19

Dwarka, New Delhi-110075(INDIA)

Tel.: 011-45012872, +919810209042, +919013681282

Email: [info@mavericsolution.com](mailto:info@mavericsolution.com)

Web: [www.mavericsolution.com](http://www.mavericsolution.com)

[www.mavericsolution.com](http://www.mavericsolution.com)