



Intuitive smartphone application lets the SP or facilitator select a simulated clinical presentation. Then it **automatically** delivers auscultatory findings as required.

Optional computer program allows for customization of simulated clinical presentations and addition of **your own sounds**.



Stealth Simulation® by Boorpus LLC focuses on technology-driven innovative solutions aimed to improve medical simulation while maintaining the highest degree of realism of virtual patient encounters. With extensive background knowledge and experience in medicine, engineering, and software development, we strive to become a leading innovator of cost-effective, user-friendly, and didactic training tools intended to produce better healthcare professionals. All while providing the highest-level customer service and top-quality products made in the USA.

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## DxBAT® Auscultation trainer



Unfortunately, there is a limited scope to what a standardized professional patient (SP) can portray on physical examination besides her/his real findings. This problem is particularly evident when posing pathologies requiring important auscultatory findings, such as heart murmurs or abnormal lung sounds.

## DxBAT®

Our solution, the **DxBAT®**, dramatically increases the fidelity of your SP encounters by **automatically** providing case-tailored auscultatory findings correlating to your simulated clinical presentation.

### Characteristics:

Our patented technology pinpoints placement of a real stethoscope **anywhere** over torso and neck, while also tracking the SP's body position. This enables the trainee to hear the right sound at the right place at the right time **without any intervention** from a facilitator.



Simulated sounds are synchronized in real-time to the **SP's real respiratory and cardiac cycles**, allowing for proper characterization of heart and lung pathologies.



Minimal external components preserve the **realism** of the clinical encounter and do not hinder physical examination procedures, such as inspection, on-skin auscultation, palpation, percussion, etc.



### Specs:

**System includes:** DxBAT® stethoscope-attachment unit, smartphone with belt clips, charger, calibration cradle, necklace, carrying case, Android application license and updates, 1-year limited warranty.



**Sound types:** cardiac, respiratory, abdominal, bruits.

**Placement detection zones:** thoracic anterior, posterior, lateral right & left, abdominal anterior, cervical anterior.

**Detected body positions:** seated, seated leaning forward, supine, supine 30°, left lateral decubitus.

**Battery life:** over 10 hours of continuous auscultation.