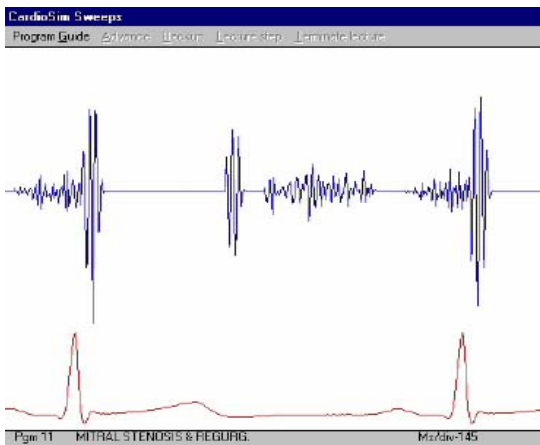


Teaching Auscultation?

The CardioSim following:



(Mitral Stenosis demonstrated by the CardioSim)

The CardioSim may be the answer you are looking for in an auscultation teaching system.

Consider using the CardioSim and learn why hundreds of your teaching colleagues have embraced this System to teach this important and fundamental skill.

Listening to an accenuated S1 and opening snap of mitral stenosis never sounded so clear - because by themselves they finally make sense. Then add back in the middiastolic murmur & presystolic accentuation and they harmonize with recognizable characteristics that set them apart from each other. When the sounds are seperated from each other and heard individually, the students begin to recognize and remember the characteristics of each sound.

The CardioSim can compare clicks with snaps, snaps with an S3, an S3 with a split S2, and the various timings of an S4. Systolic and diastolic murmurs of any shape, quality and timing - are all available.

Can your students tell the difference between an innocent systolic murmur and the murmur of mitral regurgitation? How about the difference between normal and paradoxical splitting of S2? Well if the answer is a definite *yes* then you deserve a promotion, but if there was any slight hesitation in your response, use the CardioSim to be sure that your students leave your class with the best auscultation skills possible.

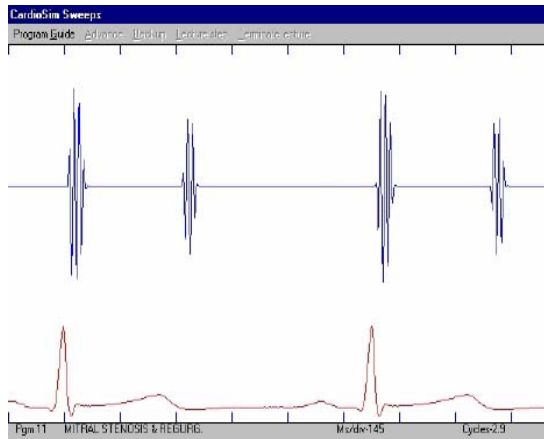
The Complete System

- The CardioSim Digital Heart Sound Simulator
- The PneumoSim Digital Breath Sound Simulator
- The VetSim Veterinary Simulator
- The Library of Simulated Sounds
- The Library of Real Sounds
- Patient Auscultation w/ Digital Recording
- SAM The Student Auscultation Manikin
- The Infrared Sound System



- Stanford Univ
- Harvard Univ
- Mayo Clinic
- Emory Univ
- Mt. Sinai - NYC
- Univ of California San Diego
- Univ of Colorado
- Univ of Florida
- Univ of Illinois
- Univ of Nebraska
- Univ of New Mexico
- Univ of Pennsylvania
- Univ of Texas (Houston, San Antonio, Dallas)
- New York Univ
- Brown Univ
- Kansas Univ
- Loma Linda Univ
- St. Louis Univ
- Walter Reed
- Brooke Army
- Uniformed Serv Univ
- Medical University of SC
- University of Munich
- (...many more)

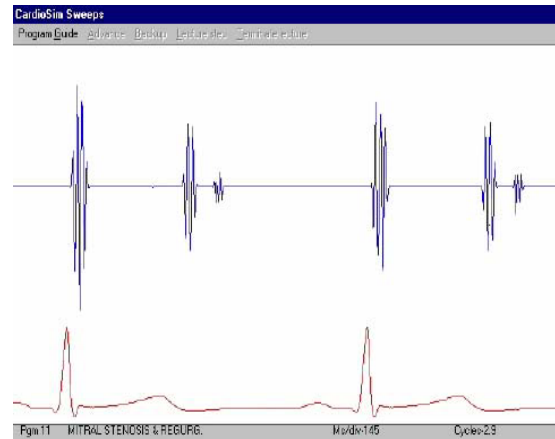
Here's how it works...



Mitral Stenosis (S1 & S2 only)

#1.

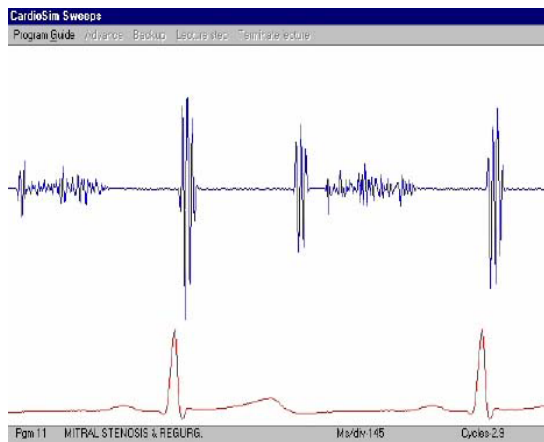
Start the CardioSim with a simple S1 & S2. Your students hear the sound and see the Phonocardiogram with the ECG trace.



Mitral Stenosis (S1, S2 & Opening snap)

#2.

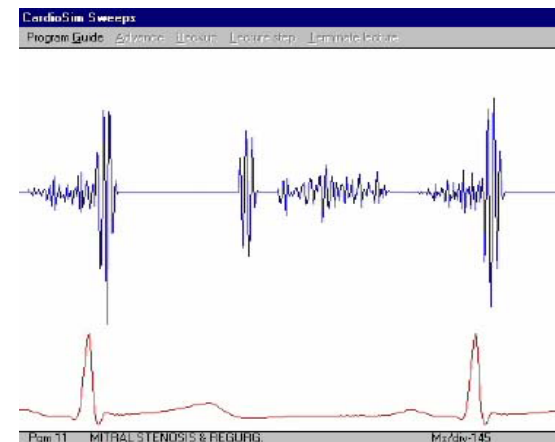
Now it gets interesting. Add an opening snap and your students see and hear it occurring after S2. If they need further help, simply remove S1 and S2 leaving only the snap. Then slowly re-build the sound until they really get the hang of it.



Mitral Stenosis (S1, S2, OS & Middiastolic murmur)

#3.

The sound continues to get more complex when you add a mid-diastolic murmur and your students see and hear it occurring after S2. Increase the intensity from a grade 1 to grade 6 (or anything in-between) and feel free to remove any component of the sound until they see the big picture.



Mitral Stenosis (S1, S2, OS, MDM, + Presystolic accent.)

#4.

To complete the sound, add a presystolic accentuation just before S1. Now add or remove any murmur or the opening snap. Try this again in a month to see how much your students have retained. We know you'll be pleasantly surprised!

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