NYU Langone Health

NYU School of Medicine
Emergency Care Electrocardiogram (ECG) Database

FAQ for Educators:

Q. What are the resources available to the students from within the database?

UBC Learning Modules

ECG Introductory Tutorial
ECG Bradyarrhythmia Tutorial
ECG Chamber Enlargement
ECG Ischemia, Infarction and Pericarditis
ECG Tachyarrhythmia Tutorial

ECG Help Links

Life in the Fast Lane (LITFL)
ECGpediaQueensECG

Q. How can I use these ECGs in my teaching?

A. Assemble teaching sets. The main advantage is that these are ecologically valid ECGs taken from the field in a serial fashion. You can narrow the set based on some clinical parameters or based on ECG parameters.
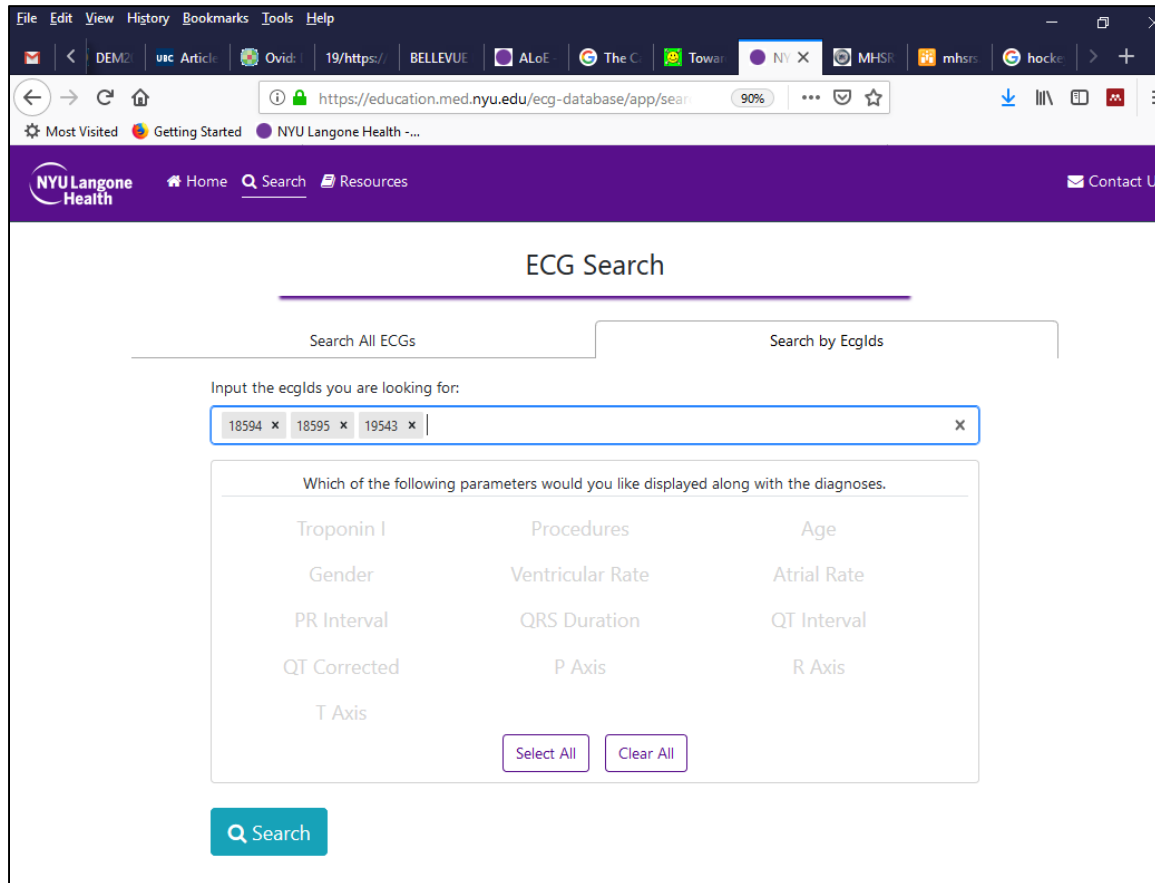
A. Vary the role of the Machine Read. You can specifically download ECGs where the machine read was specifically changed by the attending cardiologist (~18% of the sample). The ECGs can be downloaded with the Machine Read, with the Cardiologist over-read or without either.

A. Create rhythm strips. Each lead of each ECG can be represented in an animation that copies the Zoll lead tracing. The video takes about 4 seconds to download so it can't be done for multiple ECGs but can be used for screen diagnosis. We wish we had more V Fib etc but there is a good representation of Atrial dysrhythmias.

Q. How can I store the sets?

A. Multiple formats:

- PDFs
- PNGs
- An excel sheet with the ECG ID and the ECG parameters
- Just save the ECG ID

Typing any number of ECG ids in the "Search by ECG id" field will bring them all up in a Google style hit list. You can then choose amongst them or download them all. It's a convenient way to assemble sets into one single zip file.