How to read an Echocardiography report
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Echocardiography report is one of the tools used to evaluate cardiovascular status of patients undergoing cardiac surgery or cardiac patients undergoing non-cardiac surgery.

Benefits from the echocardiography report are derived from the physiological information provided. Echocardiography report usually done by cardiologists and contains a lot of information that can be used later, for calculations and as a data base for research, as Anesthesiologists these reports are very important, unfortunately for those who have not experience echo rotation during the Anesthesia residency, may miss a lot of useful information, this lecture will go over the information provided in the echo report and what is their clinical importance during the anesthesia planning.

Most of the anesthesia providers pay attention to ejection fraction only, due to the lack of experience with all the numbers provided in the report, although the rest of the information carry a very important physiological and pathological character

However artifacts and subjective measurements depend on the echocardiographer interpretation, and may lead to clinical decision mistakes, confirmation of the clinical picture should always involve clinical assessment (i.e history and physical assessment)

Finally by the end of this lecture the goal is to achieve, how to evaluate LV function and major valvular disorders as minimal information needed from the report to start the case safely.