ASE – June 10, 2022

What’s to Gain from Strain?

This session discussed the importance of Strain imaging for LV function and diastology.

2D acquisition is the key!

Tips for Acquisition:

* Set Depth to focus on LV view
* Abnormal tracking with wrong placement of points
* Avoid rib shadow
* Use same vendor for each patient
* Clear borders throughout the cycle
* Observe wall motion prior to strain (Be aware of other structures that can be tracked)
* Acquire in sequence to limit heart rate variability
* Optimize frame rate to 40-70 fps
* Optimize Gain and compression
* Keep the apex elongated as much as possible
* Have patient hold breath if possible

The results are reproducible if proper steps are followed

Standardize your image acquisition

Image quality rules the day

Strain imaging can also be useful in:

* RV
* LA
* LVAD and timing of surgical intervention
* Post cardiac surgery
* Infiltrative disease