

Longitudinal PVDOMICS (L-PVDOMICS)

Clinical Echocardiography Sonographer Guide of Additional Variables to be captured

This is a request by Dr. _____ the PI from your institution. This patient is enrolled in the L-PVDOMICS research study with a grant from the National Institutes of Health to study pulmonary vascular disease. We are asking your help to collect a few additional variables during your normal clinical echo exam. **Please change your ECG capture to collect a three beat loop.**

Additional PVDOMICS Variables:

1. PLAX:
 - a. 2D RV Inflow view
 - b. With color Doppler across TV valve
 - c. CW Doppler for TR - Please show attempt, even if incomplete signal or insufficient jet
 - d. PW Doppler of TV inflow at leaflet tips, SV 1-2mm
2. PSAX:
 - a. 2D image of RVOT at PV level for linear measure of RVOT
 - b. Further rotation to include image of the PA bifurcation
 - c. Color Doppler across PV
 - d. PW Doppler across RVOT proximal to valve tips, SV3- 4mm
 - e. CW if PI present
3. Apical 4C dedicated RV view: **Adjust frame rates to 60-80 fps, collect(2) 3 beat loops**
 - a. Focused RV view at reduced depth (for strain and area analysis)
 - i. Modified view may be substituted if better quality
 - b. TAPSE, run m-Mode parallel to RV free wall while perpendicular to TV annulus
 - c. TV annular Tissue Doppler (lateral annulus)(SV 5-6)(S')
 - d. PW Doppler of TV inflow at leaflet tips, SV 1-2mm
 - e. CW for peak TRV
4. Apical Views: **Adjust frame rates to 60-80 fps, collect(2) 3 beat loops**
 - a. Collect A4C LV at reduced depth , three beat loop (for strain analysis)
 - b. Collect A2C LV at reduced depth , three beat loop
 - c. Collect A3C LV at reduced depth , three beat loop

We sincerely appreciate your dedication to patient care in collecting these extra parameters. Your PVDOMICS study coordinator will make arrangements to have the study copied to disc. If you have any questions or have information to share about this study please contact:

_____ at _____.

Thank you!