1. To start an eSie PISA exam, select the eSie™PISA volume analysis and eSie LVA™ volume LV analysis applications from the Workflow section of the patient demographics page.

2. Acquire a Continuous Wave Doppler tracing at Mitral Valve showing MR velocities.

3. Use eSie Measure™ workflow acceleration package or measure velocities manually and acquire a VTI calculation.
4. Left click (select) to accept the measurement to the report page.
   Note: ERO will not be calculated in the final eSie PISA™ analysis data unless a VTI is performed.

5. For Left Ventricular Analysis (LVA) using the 4Z1c transducer, obtain a volume from the 4-chamber view.

6. Select the required volume on the review screen and then click LVA on the menu.
   Or...
7. Right-click (next) the volume in the thumbnail panel or on the review screen and left click (select) LVA. Perform analysis and Export to Report Page.

Note: LVA provides stroke volume, required for regurgitant fraction calculation.

8. Obtain the appropriate volume captured with Color Doppler Velocity, showing PISA at the mitral valve.

9. To activate eSie PISA analysis on the review screen, click PISA on the menu.
10. Select Valve.

11. Adjust color baseline using either the hard key or the up / down on the user interface menu.

12. Use Cine control to select appropriate PISA frame. 
   Note: Frame measured should correspond to the ECG timing for the maximum velocity (peak) noted in the VTI trace.
13. Set seed point on ventricular side of valve coaptation with arrow pointing in the direction of regurgitation.

14. Click PISA Analysis on the menu to review the analysis results.

15. Click Export Results to save the analysis results to the worksheets and patient report.