**MESA Exam 6 Ancillary Data Set Variable Guide**

AS349: Atrial Hemodynamics Volume Function

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| **Data Set name :** | MESAe6as349\_AtrHemoVF\_20250115 |
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| **Order** | **Variable name** | **Variable description** |
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| 1 | idno | MESA participant ID |
| 2 | la\_stasis6 | LA stasis from 4D-flow, in % (4D-flow parameters) |
| 3 | la\_peakvelo6 | LA peak velocity from 4D-flow, in m/s (4D-flow parameters) |
| 4 | laa\_stasis6 | LAA stasis from 4D-flow, in % (4D-flow parameters) |
| 5 | laa\_peakvelo6 | LAA peak velocity from 4D-flow, in m/s (4D-flow parameters) |
| 6 | laef\_total6 | LA EF total from 3D-based analysis (CINE parameters, 3D-based) |
| 7 | laef\_active6 | LA EF active from 3D-based analysis (CINE parameters, 3D-based) |
| 8 | laef\_passive6 | LA EF passive from 3D-based analysis (CINE parameters, 3D-based) |
| 9 | lavi\_max6 | Maximum LAV from 3D-based CINE, indexed by BSA (CINE parameters, 3D-based) |
| 10 | lavi\_min6 | Minimum LAV from 3D-based CINE, indexed by BSA (CINE parameters, 3D-based) |
| 11 | lavi\_prea6 | LAV before atrial contraction from 3D-based CINE, indexed by BSA (CINE parameters, 3D-based) |
| 12 | lv\_edvi6 | LV end-diastolic volume, indexed by BSA (LV parameters from SAX CINE analysis) |
| 13 | lv\_esvi6 | LV end-systolic volume, indexed by BSA (LV parameters from SAX CINE analysis) |
| 14 | lv\_svi6 | LV stroke volume, indexed by BSA (LV parameters from SAX CINE analysis) |
| 15 | lvef6 | LV ejection fraction, indexed by BSA (LV parameters from SAX CINE analysis) |
| 16 | lav\_max6 | LAV maximum from biplane analysis (CINE parameters, biplane method) |
| 17 | lav\_min6 | LAV minimum from biplane analysis (CINE parameters, biplane method) |
| 18 | lav\_prea6 | LAV before atrial contraction from biplane analysis (CINE parameters, biplane method) |
| 19 | la\_volume\_4dflow6 | LA volume from 4D-flow, in mL (4D-flow parameters) |
| 20 | la\_meanvelo6 | LA mean velocity from 4D-flow, in m/s (4D-flow parameters) |
| 21 | laa\_volume\_4dflow6 | LAA volume from 4D-flow, in mL (4D-flow parameters) |
| 22 | laa\_meanvelo6 | LAA mean velocity from 4D-flow, in m/s (4D-flow parameters) |