

| Preprocedural Imaging                                                                                                                                                                 | Procedural Imaging                                              | Postprocedural Imaging                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------|
| Rule out LAA thrombus                                                                                                                                                                 | Final rule out of thrombus                                      | Access residual leak (LAA patency)               |
| Detailed LAA anatomy <ul style="list-style-type: none"> <li>• Bends (location, angulation)</li> <li>• Lobes, bifurcation</li> <li>• Pectinate muscle, ridge, trabeculation</li> </ul> | Final sizing measurements after adequate LA pressure (>12 mmHg) | Assess device position (migration, embolization) |
| Envisioning LAA device fit                                                                                                                                                            | Guide transseptal puncture                                      | Assess device-associated thrombus                |
| Assess surrounding structures (septum, LA, PV, PA, etc.)                                                                                                                              | Guide placement of catheters                                    | Assess pericardial effusion                      |
| Measure LAA dimensions                                                                                                                                                                | Guide device placement and release                              | Assess surrounding structures                    |
| Select fluoroscopic angles                                                                                                                                                            | Assess for pericardial effusion                                 |                                                  |
| Determine sheath selection                                                                                                                                                            | Assess surrounding structures                                   |                                                  |
| Determine transseptal location                                                                                                                                                        |                                                                 |                                                  |
| ±3D printing                                                                                                                                                                          |                                                                 |                                                  |

*Table 7.6 Imaging for LAA closure.*

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LA = left atrium; LAA = left atrial appendage; PA = pulmonary artery; PV = pulmonary vein.