

Hypoplastic Left Heart Syndrome (HLHS)

Stage 1 - Norwood Operation using Sano Modification

Stage 1

Norwood Procedure using Sano Modification

The large main pulmonary artery and small aorta are fashioned together to make a new, larger aorta.

The wall that separates the top two heart chambers is removed (atrial septectomy). The PDA is removed.

A connection is made between the bottom right heart chamber and the branch pulmonary arteries going to the lungs. The connection is made with a tube (conduit). The conduit is sewn into the pulmonary artery branches at one end. The other end is sewn into the right ventricle (lower right chamber). This conduit allows blood to be pumped from the right ventricle to the lungs. Blood will also be pumped from the right ventricle into the aorta and out to the body.

All three stages are done through a median sternotomy (chest) incision.

