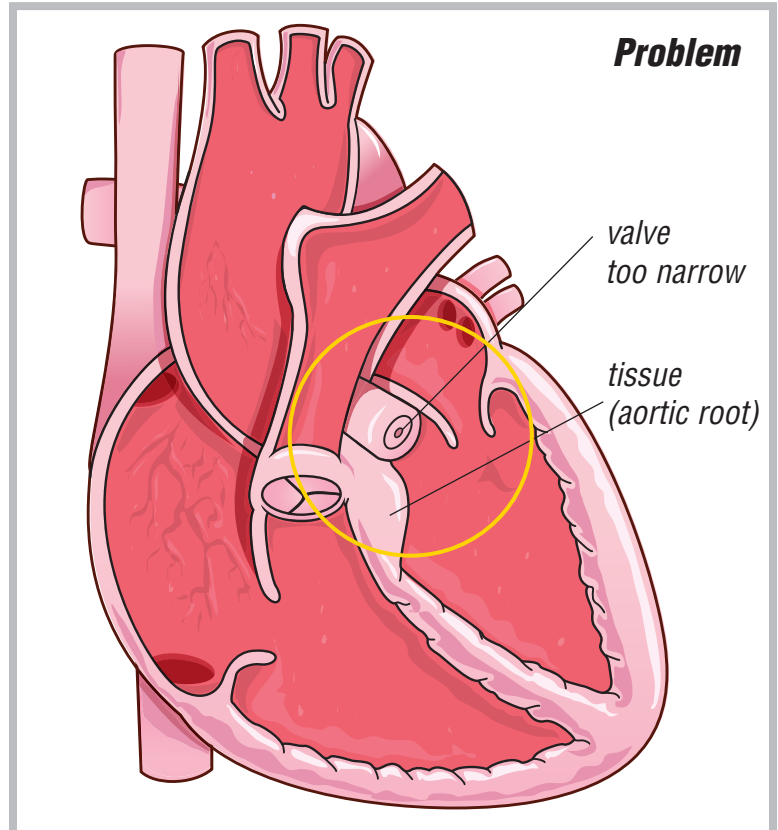


# Aortic Stenosis (AS)

## Valvar with Subaortic Stenosis

A narrowing occurs between the bottom left heart chamber and the main artery that sends blood to the body (aorta). The narrowing is at the aortic valve and includes a long tunnel of narrowed tissue below it (aortic root). The valve ring (annulus) is also too narrow to put in a new valve. The narrowing causes a reduced amount of blood carrying oxygen to the body. Also, the bottom left heart chamber overworks from having to push blood through the narrowing.



The Konno-Rastan procedure is used to repair valve with subaortic stenosis.



The valve ring (annulus) is opened and enlarged with a patch. The valve is replaced, and the tunnel-like narrowing is removed and patched.

The operation to repair aortic stenosis is done with a median sternotomy (chest) incision.

