

Equipment List

Imaging

Transthoracic echocardiography (TTE)

Philips Healthcare, USA

For preoperative assessment and postoperative valve function monitoring

Transesophageal echocardiography (TEE)

Philips Healthcare, USA

Intraoperative valve function monitoring

Computed Tomographic Angiography (CTA)

Siemens Healthineers, Germany

Detailed annular measurements for preoperative planning

Access and Cannulation

Peripheral Cannulation Kit

18–23 French cannulas for femoral artery and vein cannulation (Medtronic, United States)

Jugular Vein Cannula (15 F) (Medtronic, United States)

For additional venous access through the superior vena cava

Valve Implantation

J-Valve System (25 mm)

Jie Cheng Medical Technologies, Suzhou, China

Used for transcatheter mitral valve-in-valve (TMVIV) implantation

Left Atrial Appendage (LAA) Occlusion

Atriotomy Sutures (3-0 Prolene)

Ethicon, USA

Tricuspid Valve Repair

Edwards MC3 tricuspid rigid ring (Edwards Lifesciences, Irvine CA, USA)

For annuloplasty of the tricuspid valve

General Surgical Instruments

Endoscopic Instruments

Karl Storz, Germany

Includes retractors, forceps, and scissors for thoracoscopic access

CO2 Insufflator

Maintains a clear surgical field by reducing air embolism risk