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## **List of Abbreviations**

- **AMI** : Acute Myocardial Infarction
- **AV** : Atrio-ventricular
- **CAD** : Coronary artery disease
- **CHF** : Congestive Heart Failure
- **CMRI** : Cardiac magnetic resonance imaging
- **CPB** : Cardiopulmonary bypass
- **CPR** : Cardio-pulmonary bypass
- **ECG** : Electrocardiograph
- **IABP** : Intra-aortic balloon pump
- **LAD** : Left anterior descending artery
- **LV** : Left Ventricle
- **LVAD** : Left ventricle assistant device
- **MI** : Myocardial infarction
- **NYHA** : New York Heart Association
- **PCI** : Percutaneous coronary intervention
- **PIVSD** : Post infarction ventricular septal defect
- **RCA** : Right Coronary Artery
- **RV** : Right Ventricle
- **TEE** : Transesophageal echocardiography
- **VAD** : Ventricle assistant device
- **VSD** : Ventricular septal defect
- **VSR** : Ventricular septal rupture

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# Introduction

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# **Anatomy**

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# **Pathogenesis & Pathophysiology**

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# Diagnosis

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# **Preoperative Management & Natural History**

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# **Timing of the Operation**

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# **The Operative**

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# **Transcatheter Closure of PIVSD**

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# **Risk Factors of Poor Outcomes**

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