**Valvular Heart Disease\_Team3\_Report.docx**

**Sources Used**

* PubMed: Primary source for biomedical literature, including clinical guidelines and recent research articles.
* EMBASE: Supplemented PubMed with additional biomedical and pharmacological studies.
* Cochrane Library: Provided systematic reviews and meta-analyses on valvular heart disease management.
* Myo clinic
* Cleveland clinic
* NCBI
* WHO Reports: For epidemiological data and global health perspectives on valvular heart disease.

## Methodology

* Conducted keyword searches such as “valvular heart disease,” “aortic stenosis guidelines,” “mitral regurgitation management,” and “valve replacement outcomes.”
* Applied filters for articles published from 2019 onwards to ensure current evidence.
* Focused on clinical guidelines, randomized controlled trials, and meta-analyses.
* Reviewed abstracts and full texts for relevance and quality.
* Cross-referenced guidelines from professional societies (e.g., American Heart Association, European Society of Cardiology).

## Challenges Faced

* Limited high-quality randomized trials for some rare valvular conditions.
* Variability in guideline recommendations between regions and societies.
* Some older studies remain relevant but require careful integration with newer evidence.
* Access restrictions to full texts for some EMBASE articles without institutional subscriptions.

## Date Accessed

* May 2 to May 8, 2025.

## Description of Contents

* Comprehensive overview of valvular heart disease types, pathophysiology, diagnostic criteria, and treatment options.
* Evidence-based recommendations for medical and surgical management.
* Epidemiology and risk factors.
* Prognostic factors and follow-up protocols.

## File Format and Size

* Report submitted as a Word document (.docx)
* File size approximately 2.7MB

## Disease List & Individual Contributions

| Specialty | Diseases/Conditions | Team Member Assigned |
| --- | --- | --- |
| Valvular heart disease | pericarditis  myocarditis  infective endocarditis | Jennifer Imogie |
| Valvular heart disease | Aortic stenosis, mitral valve prolapse, mitral regurgitation, rheumatic heart disease, mitral stenosis/regurgitation, Aortic Regurgitation, Tricuspid Stenosis, Tricuspid Regurgitation, Pulmonary Stenosis, Pulmonary Regurgitation, Endocarditis: Inflammation, Giant Cell Myocarditis, Granulomatous Myocarditis, Autoimmune or Autoinflammatory Pericarditis, Viral Myocarditis, Tuberculous Pericarditis, Fungal Endocarditis, Sarcoidosis of the Heart, Hyper eosinophilic Syndrome, Lupus and Rheumatoid Arthritis-associated Cardiac Inflammation | Leslie El |

## Submission Details

* Deadline: May 8, 2025