Transcatheter mitral valve replacement: Preparing for the next revolution
**Prevalence of Valvular Heart Disease**


**Prevalence**
Population-based study of 11,911 adults
- 18-44 years old: 0.7%
- >75 years old: 13.2%

**Diagnosis**
Community-based study of 16,501 adults
- 18-44 years old: 0.3%
- >75 years old: 11.7%

**US Population**
- 15 million adults ≥ 75 years of age
- 600,000 patients with aortic stenosis
Prevalence

• In the United States, patients are often undertreated for both mitral and aortic valve disease.
  
• Only 1 in 40 patients with moderate or severe mitral regurgitation are surgically treated (1-3).

• “Only 59% of the patients who should have had aortic valve replacement according to the practice guidelines were actually offered surgical treatment…” (4)

• Patients are often not being referred or are opting out of surgery for a variety of reasons that may include(5):
  
• Co-morbid disease, risk factors and age
• Perceived fear of traumatic nature of conventional surgery
• Patients concerns of body image/cosmesis, pain, time out of work, etc.
Objectives

- Current evidence and opportunities with TMVR

- Recognise the essential skills and competencies required

- Learn the role of a heart team approach in Screening, Treating, post-operative Management
• Screening and selecting the appropriate patients
• Integrating TMVR in your practice
• Optimising care
• the next mountain to climb?