

# Aortic Regurgitation

## Introduction

Welcome to the cardiac surgery urgency assessment tool for Aortic Regurgitation (9074).

This implementation is a temporary work around replacing the old CPS tool which 'died' sooner and more completely than expected.

It is planned that a more comprehensive, user friendly, environment will be created to improve the utility and look and feel. The goal is to ensure all patients undergoing elective or urgent cardiac surgery, and soon cardiological intervention, will be scored consistently.

## Prioritisation

# Aortic Regurgitation

## Valve severity

- Moderate (VC width < 6mm or regionally accepted equivalent)
- Severe (VC width 6-10mm or regionally accepted equivalent)
- Very severe (VC width > 10mm or regionally accepted equivalent)

## Symptoms related to the valve disease

- None
- Definite, not limiting or on provocative testing (NYHA IIa, angina CCS I or presyncope)
- Moderate, limiting (NYHA IIb or NYHA III, angina CCS II-III or syncope or recurrent presyncope, or requiring diuretic treatment for heart failure)
- Severe (On maximal R for heart failure, unstable angina despite maximal R, recurrent syncope)

## Cardiac dysfunction

- None – normal cardiac function (SD < 45 and DD < 60mm and EF > 55%)
- Early cardiac dysfunction but AHA criteria not met (e.g. Early LV dysfunction but EF>50%, severe LVH, Nt-BNP>300pg/ml or BNP>100pg/ml or >1.5X increase/year, abnormal TDI [SD45-50mm or DD60-70mm and EF 50-55%])
- AHA criteria dysfunction (LVEF 40-50% or Definite heart failure level BNP [SD 50-60 or DD 70-80mm or EF < 50%])
- AHA criteria exceeded by > 30% (LVEF < 40%, doubling of a definite heart failure level BNP [SD ≥ 60 or DD ≥ 80mm or EF < 40%])

## Disease progression

- Stable (No additional information)
- Progressive ((> 15% deterioration in 2 measures over ≤ 1 year) (<sup>a</sup>SD > 5-10mm within 12 months))

## Additional AHA/ACC/ESC class 1 indication for surgery

- No
- Yes

## Euroscore

Calculate Euroscore (<http://www.euroscore.org/calc.html>)

(opens in new tab)

Euroscore