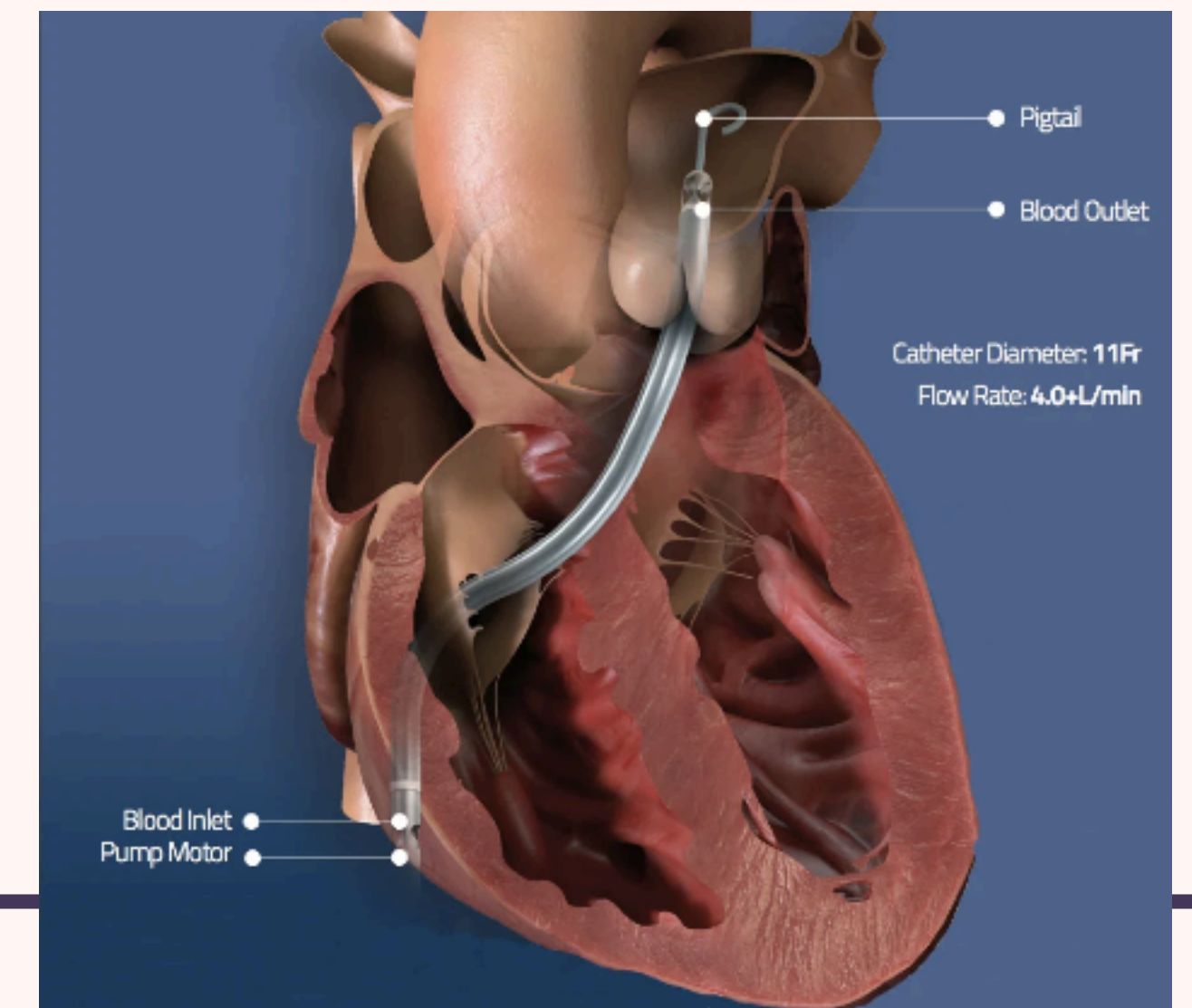# MANAGEMENT

> **treat underlying problem**

> **optimise rate and rhythm**

> **maintain perfusion**

> **optimise preload**

> **reduce afterload**

> **optimise contractility**

> **mechanical support**

> peripheral VA ECMO

> surgically implanted VADs

> 'percutaneously inserted' VAD devices eg. the Impella RP and TandemHeart RVAD

Pigtail
Blood Outlet
Catheter Diameter: **11Fr**
Flow Rate: **4.0+L/min**
Blood Inlet
Pump Motor

IN SUMMARY

SUSPECT

pulmonary hypertension
left ventricular failure
COPD
Obesity/OSA
cardiac surgery
ARDS
PE
congenital heart disease
LVAD/heart transplant

ASSESS

clinical
blood
ECG
imaging
CVP/PAC

MANAGEMENT

treat underlying?
preload: diurese/small fluid
bolus
rate a little faster
PVR - anaes, surg, drugs
consider inodilators
mechanical support