1. Patients with chronic severe organic MR and a left atrial indexed volume of _________ have increased mortality and cardiac events when managed medically.
   a. <40ml/m²
   b. >40ml/m²
   c. < 60ml/m²
   d. > 60ml/m²

2. Which of the following statements about the mitral regurgitation vena contracta if correct?
   a. Mild < 0.4cm
   b. Moderate 0.4 – 0.75cm
   c. Severe >0.7cm
   d. Severe > 0.75cm

3. Which of the following statements about PISA in mitral insufficiency is correct?
   a. Cannot be used with mitral stenosis
   b. Can be used with concomitant aortic regurgitation
   c. Is equally accurate with eccentric or central jets
   d. Is best used in TEE

4. Which of the following statements about severe mitral insufficiency is correct?
   a. MV:AV VTI Ratio > 1.4
   b. Parabolic CW MR jet
   c. ERO > 0.35
   d. Regurgitant volume > 50ml

5. Which of the following is not a true statement about severe aortic insufficiency?
   a. Regurgitant volume > 60cc
   b. Regurgitant orifice area > 30 mm²
   c. Holodiastolic flow reversal in the aorta
   d. Deceleration slope < 3m/sec

6. Which of the following statements about severe aortic stenosis is true?
   a. DVI < 0.25
   b. Mean gradient > 30mmHg
   c. Peak velocity > 3m/sec
   d. Indexed AVA < 1.0cm²/m²

7. In mitral stenosis, which of the following techniques is not affected by simultaneous mitral insufficiency?
   a. Gradient
   b. PHT
   c. Continuity equation
   d. PISA

8. Pressure half-time assessment of Mitral Valve Area may be inaccurate in which of the following?
   a. Aortic Insufficiency
   b. Non-compliant ventricle
   c. ASD
   d. Chronic Atrial Fibrillation
   e. All the above
9. All of the following suggest significant prosthetic aortic valve stenosis except:
   a. Acceleration time < 100ms
   b. EOA < 0.8 cm²
   c. DVI < 0.25
   d. Mean gradient > 35mmHg

10. Which of the following statements about patient prosthesis mismatch (PPM) is incorrect?
    a. For AVR, a normal iEOA is >0.85 cm²/m²
    b. For AVR, an iEOA <0.65 cm²/m² suggests severe PPM
    c. For MVR, a normal iEOA is > 1.4 cm²/m²
    d. For MVR, an iEOA < 0.9 cm²/m² suggests severe PPM