

Cardiothoracic Surgery PBA: Mitral Valve Replacement

APPROVED SURGICAL TEMPLATE Jun 06

Trainee:	Assessor:	Date:
Start time:	End time:	Duration:
Operation more difficult than usual? Yes / No (If yes, state reason)		

The Trainee should explain what he/she intends to do throughout the procedure
The Assessor should provide verbal prompts, if required, and intervene if patient safety is at risk.

Rating: **N = Not observed or not appropriate** **D = Development required**
S = Satisfactory standard for CCT (no prompting or intervention required)

Competencies and Definitions		Rating N/D/S	Comments
I.	Consent		
C1	Demonstrates sound knowledge of indications and contraindications including alternatives to surgery		
C2	Demonstrates awareness of sequelae of operative or non operative management		
C3	Demonstrates sound knowledge of complications of surgery		
C4	Explains the procedure to the patient / relatives / carers and checks understanding		
C5	Explains likely outcome and time to recovery and checks understanding		
II.	Pre operative planning		
PL1	Demonstrates recognition of anatomical and pathological abnormalities (and relevant co-morbidities) and selects appropriate operative strategies / techniques to deal with these		
PL2	Demonstrates ability to make reasoned choice of appropriate equipment, materials or devices (if any) taking into account appropriate investigations e.g. x-rays		
PL3	Checks materials, equipment and device requirements with operating room staff		
PL4	Ensures the operation site is marked where applicable		
PL5	Checks patient records, personally reviews investigations		
PL6	Ensures adequate post operative care is available		
PL7	Ensures a full range of size of desired prosthesis		
PL8	Clearly outlines the method of myocardial protection including core temperature		
III.	Pre operative preparation		
PR1	Checks in theatre that consent has been obtained		
PR2	Gives effective briefing to theatre team		
PR3	Ensures proper and safe positioning of the patient on the operating table		
PR4	Demonstrates careful skin preparation		
PR5	Demonstrates careful draping of the patient's operative field		
PR6	Ensures general equipment and materials are deployed safely (e.g. catheter, diathermy)		
PR7	Ensures appropriate drugs administered		
PR8	Arranges for and deploys specialist equipment (e.g. echo) effectively		

Competencies and Definitions		Rating N/D/S	Comments
IV.	Exposure and closure		
E1	Demonstrates knowledge of optimum skin incision / portal / access		
E2	Achieves an adequate exposure through purposeful dissection in correct tissue planes and identifies all structures correctly		
E3	Completes a sound wound repair where appropriate		
E4	Not applicable to the procedure		
E5	Correctly places the drains		
E6	Assesses cannulation site		
E7	Checks that Heparin is given prior to cannulation		
E8	Demonstrates safe cannulation technique		
E9	Institutes cardiopulmonary bypass		
E10	Performs myocardial protection effectively		
E11	Weans from cardiopulmonary bypass effectively		
E12	Ensures effective protamine administration		
E13	Demonstrates effective haemostasis		
E14	Ensures pharmacological and/or mechanical support where appropriate		
E14	Uses appropriate method of sternal fixation		
I.	Intra operative technique: global (G) and task- specific items (T)		
IT1(G)	Follows an agreed, logical sequence or protocol for the procedure		
IT2(G)	Consistently handles tissue well with minimal damage		
IT3(G)	Controls bleeding promptly by an appropriate method		
IT4(G)	Demonstrates a sound technique of knots and sutures/staples		
IT5(G)	Uses instruments appropriately and safely		
IT6(G)	Proceeds at appropriate pace with economy of movement		
IT7(G)	Anticipates and responds appropriately to variation e.g. anatomy		
IT8(G)	Deals calmly and effectively with unexpected events/complications		
IT9(G)	Uses assistant(s) to the best advantage at all times		
IT10(G)	Communicates clearly and consistently with the scrub team		
IT11(G)	Communicates clearly and consistently with the anaesthetist		
IT12 (T)	Performs appropriately atriotomy		
IT13 (T)	Excises valve appropriately		
IT14 (T)	Preserves or reconstructs subvalvular apparatus appropriately		
IT15 (T)	Sizes mitral annulus correctly		
IT16 (T)	Demonstrates appropriate implantation technique		
IT17 (T)	Demonstrates haemostatic closure of atriotomy		
IT18 (T)	Demonstrates knowledge of optimum de-airing		
IT19 (T)	Demonstrates correct use of internal DC cardioversion (if necessary)		
IT20 (T)	Demonstrates appropriate use of epicardial pacing wires		

Competencies and Definitions		Rating N/D/S	Comments
V.	Post operative management		
PM1	Ensures the patient is transferred safely from the operating table to bed		
PM2	Constructs a clear operation note		
PM3	Records clear and appropriate post operative instructions		
PM4	Not applicable to the procedure		
PM5	Completes database accurately		
PM6	Gives effective briefing to intensive care team		
PM7	Ensures supporting equipment and materials etc are deployed safely and appropriate drugs administered		
PM8	Explains operative and post operative process to relatives and checks understanding		

Global summary

Level at which completed elements of the PBA were performed on this occasion		Tick as appropriate
Level 0	Insufficient evidence observed to support a summary judgement	
Level 1	Unable to perform the procedure, or part observed, under supervision	
Level 2	Able to perform the procedure, or part observed, under supervision	
Level 3	Able to perform the procedure with minimum supervision (needed occasional help)	
Level 4	Competent to perform the procedure unsupervised (could deal with complications that arose)	

Comments by Assessor (including strengths and areas for development):

Comments by Trainee:

Trainee Signature:

Assessor Signature: