

PBA 2 : Ventriculo-peritoneal Shunt

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

Competencies and Definitions		Score N / U / S	Comments
I.	Consent		
C1	Demonstrates sound knowledge of indications and contraindications		
C2	Demonstrates awareness of sequelae of operative or non-operative management		
C3	Demonstrates sound knowledge of complications of surgery (eg. shunt block, track hematoma, infection, malposition etc.)		
C4	Explains the perioperative process to the patient and/or relatives or 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 e.g. nutritional status, ventricles size		
PL2	Demonstrates ability to make reasoned choice of appropriate equipment, materials or devices (if any) taking into account appropriate investigations e.g. X-rays, USG, stereotaxy		
PL3	Checks materials, equipment and device requirements with operating room staff (specific shunt system, ventricular and peritoneal catheter)		
PL4	Ensures the operative site is marked where applicable		
PL5	Checks patient records, personally reviews investigations (CT brain)		
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	Ensures proper and safe positioning of the patient's head		
PR5	Ensures proper and safe positioning of headpins in cases where Mayfield head clamp is being used		
PR6	Checks the positioning of all the body parts of the patient		
PR7	Demonstrates careful skin preparation		
PR8	Demonstrates careful draping of the patient's operative field		
PR9	Ensures supporting equipment and materials are deployed safely and appropriate drugs administered (e.g. catheter, diathermy)		
PR10	Ensures appropriate drugs administered (antibiotics)		
PR11	Arranges for and deploys specialist supporting equipment (e.g. Image intensifier, USG) effectively		
IV.	Exposure and closure		
E1	Demonstrates knowledge of optimum skin incision / portal / access		
E2	Plans the appropriate craniotomy / burr hole(s)		

PBA 2: Procedure Based Assessment - Ventriculo-peritoneal Shunt

Competencies and Definitions		Score N / U / S	Comments
E3	Achieves an adequate exposure through purposeful dissection. Identifies and protects all surrounding structures		
E3	Completes a sound wound repair where appropriate		
E4	Protects the wound with dressings, splints and drains where appropriate		

Competencies and Definitions		Score N / U / S	Comments
V.	Intra Operative Technique		
IT1	Follows an agreed, logical sequence or protocol for the procedure		
IT2	Consistently handles tissue well with minimal damage		
IT3	Controls bleeding promptly by an appropriate method		
IT4	Demonstrates a sound technique of knots and sutures / staples		
IT5	Uses instruments appropriately and safely		
IT6	Proceeds at appropriate pace with economy of movement		
IT7	Anticipates and responds appropriately to variation e.g. anatomy		
IT8	Deals calmly and effectively with unexpected events/complications		
IT9	Uses assistant(s) to the best advantage at all times		
IT10	Communicates clearly and consistently with the scrub team		
IT11	Communicates clearly and consistently with the anesthetist		
IT12	Opening of peritoneum		
IT13	Creation of subcutaneous tunnel for the peritoneal catheter		
IT14	Insertion of ventricular catheter		
IT15	Connection of various components of the shunt system		
VI.	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	Deals with specimens. Labels and orientates specimens appropriately		

N = Not observed or not appropriate

U = Unsatisfactory

S = Satisfactory

Global Summary (based on the observed/relevant parts of this procedure only)

		Tick as appropriate	Comments
Level 0	Insufficient evidence observed to support a judgment		
Level 1	Unable to perform the entire procedure under supervision		
Level 2	Able to perform the procedure under supervision		
Level 3	Does not usually require supervision but may need help occasionally		
Level 4	Competent to perform the procedure unsupervised (can deal with complications)		

Signatures:

Trainee:	Consultant:	Other:
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