

# Trauma & Orthopaedics PBA 10: Application of Limb External Fixator [07 03 06]

APPROVED SURGICAL TEMPLATE Feb 06

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

**Score:** N = Not observed or not appropriate U = Unsatisfactory S = Satisfactory

Competencies and Definitions		Score N / U / S	Comments
<b>I.</b>	<b>Consent</b>		
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 perioperative process to the patient and/or relatives or carers and checks understanding		
C5	Explains likely outcome and time to recovery and checks understanding		
<b>II.</b>	<b>Pre operative planning</b>		
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		
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	Demonstrates awareness of possible frame configurations, potential and limitations		
PL7	Considers the role of supplementary fixation		
PL8	Performs an instrument and implant check and frame rehearsal		
<b>III.</b>	<b>Pre operative preparation</b>		
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 supporting equipment (e.g. image intensifiers) effectively		

Competencies and Definitions		Score N / U / S	Comments
<b>IV.</b>	<b>Exposure and closure</b>		
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	Protects the wound with dressings, splints and drains where appropriate		
	<b>Intra Operative Technique</b>		
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 untoward 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 anaesthetist		
IT12	Demonstrates satisfactory definitive frame completion with appropriate sequencing of components		
IT13	Able to demonstrate indirect provisional reduction techniques with limited frame components		
<b>V.</b>	<b>Post operative management</b>		
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		

## Global summary

Level at which completed elements of the PBA were performed		Tick as appropriate	Comments
Level 0	Insufficient evidence observed to support a judgment		
Level 1	Unable to perform the procedure under supervision		
Level 2	Able to perform the procedure under supervision		
Level 3	Able to perform the procedure with minimum supervision (would need occasional help)		
Level 4	Competent to perform the procedure unsupervised (could deal with complications)		

## Signatures:

<b>Trainee:</b>	<b>Assessor(s):</b>
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