

Level 1 (Observed competencies) Core logbook if opportunity available; ST1/ST2 = **Second assistant**

Level 2 - Able to undertake a skill under supervision (these will be main skills required for bed side first assistant surgical skills) : ST3/ST4/ST5 = **First assistant**

Level 3 – Indirect supervision, competent to perform certain skills including console skills for medically or surgically appropriate cases. **Robotic ATSM**

Level 4- Unsupervised, independently competent to perform certain skills including console skills for medically or surgically appropriate cases. **Robotic ATSM)**

Trainees / Advanced surgical practitioner should have assisted with a laparoscopic cases before assisting with robotic cases.

Date:

Name: (Trainee)

Trainer:

Orientation & Preparation	Competence Level							
	Level 1		Level 2		Level 3		Level 4	
	Date	Signature	Date	Signature	Date	Signature	Date	Signature
	ST1/ST2			ST3/ST4/ST5		ST6/ST7	ST6/ST7	
	SECOND ASSISTANT (Bottom end)			FIRST ASSISTANT		ATSM	ATSM	
Orientation of robotic theatre								
Demonstrate effective team working								
Demonstrate effective communication skills within theatre team								
Demonstrate situational awareness								
Demonstrate importance of Human factor								
Sterile preparation of robot								

Bedside assistant (level 2)							
Reflective practice							
Knowledge							
Completion of the online theoretical training package							
Understands mechanics of the Robotic assisted surgery							
Awareness of the ergonomics of robotic assistance							
Familiar with robotic components and instrumentation							
Awareness of other modalities, benefits and potential complications with robotic surgery							
Trainee is able to adjust the surgical robot's settings							
Awareness of the capital cost of the robotic system and life of robotic assisted instruments							
Knowledge of different docking positions and the indications							
Understanding of the use of electrodiathermy in robotic surgery							
Understands reasons for arm clashing and methods of correction							
Knowledge of the potential complications of electrodiathermy							
knowledge of principles of laproscopy and robotic surgery							
Situational awareness							
Communication skills							
General knowledge /Surgical competence	Competence Level						
	Level 1		Level 2		Level 3		Level 4
	Date	Signature	Date	Signature	Date	Signature	Date
Knowledge of abdominal and pelvic anatomy							
Aware principles of managing a critically ill surgical patient							

Online modules								
- Consoles								
- Docking								
- Instrument insertion								
- Instrument removal								
- Undocking								
Simulator training	Introduction		2 hours		30 hours			
Have completed robotic simulation training								
	Observation		Introduction		Advanced			
Satisfactory completion of wet lab training								
Robotic Assistant competence	Competence Level							
	Level 1		Level 2		Level 3		Level 4	
	Date	Signature	Date	Signature	Date	Signature	Date	Signature
Knowledge of the operative room setup of the robotic system								
Aware of principles of the robotic system								
Be able to drape the Robot								
Be able to respond to system errors								
Able to drive the robot								
Knowledge of how to position patient for robotic surgery								
Undertake vaginal preparation for a robotic procedure								
Able to insert McCartney tube in vagina and uterine manipulator if required								
Be able to undertake vaginal preparation & insert a rectal probe if required								

Understand and demonstrate use of different methods of maintaining pneumoperitoneum							
Demonstrate understanding port placement							
Able to undertake port placement							
Be able to dock the robotic system							
Understand different docking positions and able to dock the robot							
Be able to maintain a clear image by cleaning/changing the camera							
Be able to insert, change and remove robotic instruments							
Be able to understand reason for clashing and adjust the arm positions							
Have understanding of the appropriate use of assistant port							
Demonstrates use of suction and maintaining clear operative field							
Able to introduce and present loaded needle							
Able to cut the suture with laparoscopic scissors							
Safe retrieval of needle							
Demonstrate understanding of communication with scrub team and needle/swab count							
Demonstrate introduction and retrieval of surgical swabs from assistant port							
Demonstrate introduction and retrieval of retraction swab (endoretractor)							
Demonstrate introduction and retrieval of specimen bag							
Be able to perform clip application as directed by console surgeon							
Be able to perform laparoscopic adhesiolysis (3 cases- level 3)							
Undocking and port closure (3 cases – level 3)							
Be able to close incisions and port sites closure							
Be able to perform an emergency undocking procedure							
Demonstrate understanding of specimen handling and histology/cytology requests							
Demonstrate skills of communication with recovery and ward staff							
Online modules							
- Vessel sealer							
- Diathermy							
- Needle driver							
Robot console simulation							

Demonstrate camera control and set up visual field								
Demonstrate multi-arm control of the robotic instruments								
Demonstrate hand-eye instrument coordination								
Demonstrate wrist articulation								
Demonstrate clutching of the robotic instruments								
Demonstrate atraumatic tissue handling								
safe tissue cutting with the robotic system								
Maintain safety of operative field								
Demonstrate blunt dissection with the robotic system								
Demonstrate micro dissection with the robotic system								
Use of diathermy and colpotomy								
Demonstrate plan for surgical specimen retrieval methods								
Demonstrate use of needle driving with the robotic system								
Demonstrate knot tying with the robotic system								
Demonstrate suture handling with the robotic system								
Demonstrate continuous and interrupted suturing with the robotic system								
Understand the potential risks and ability to make appropriate operative decisions								
Be able to manage surgical complications (bowel/urinary/vascular injuries)								
Demonstrate effective communication with anesthetic , theatre team and consule surgeon								
Procedural tasks	Competence Level							
	Level 1		Level 2		Level 3		Level 4	
	Date	Signatu re	Date	Signature	Date	Signatu re	Date	Signature
Sealing and dividing round ligaments								
Identifying ureters and sealing and dividing ovarian vessels								
Incising vesicouterine peritoneum and developing vesicovaginal space								
Sealing and dividing uterine vessles								
Performing colpotomy								
Suturing vaginal cuff								

Robot assisted hysterectomy (3 cases level 3)								
Robot assisted BSO (3 cases level 3)								
Training Modules								
Basic local training								
Simulator training								
Online module								
Wet lab								
Competence based training (Level 1 to 4)								
1st assistance sign off								
ST6/7/ATSM								
Audit of cases								
OSATS								
DOPS								
CBD								
NOTSS								
Reflective practice								
Annual update								

Name: Trainee:
 Name: Trainer :
 Institute:
 Level of training:
 Date: