

## Entrustable Professional Activities (EPAs)

### List of EPAs for Urology

EPA Title	EPA Entrustment Level to be Attained by Exit
<a href="#">EPA 1: Managing Urology Patients in the Ward</a>	Level 4
<a href="#">EPA 2: Performing Urology Surgical Procedures</a>	Level 2/3/4 depending on procedures (See individual procedures in <a href="#">Table</a> within the EPA for more details)
<a href="#">EPA 3: Managing Urology Patients in an Outpatient Setting</a>	Level 4
<a href="#">EPA 4: Managing Acute Emergency Admissions When on Call</a>	Level 4

### Entrustment Scale

Entrustment Level	Description
Level 1	Be present and observe, but no permission to enact EPA
Level 2	Practise EPA with direct supervision
Level 3	Practise EPA with indirect supervision
Level 4	Unsupervised practice allowed
Level 5	May provide supervision to junior learners

## UROLOGY EPA 1

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Title	<b>Managing Urology Patients in the Ward</b>
Specifications and limitations	<p>This EPA contains the following elements:</p> <ul style="list-style-type: none"><li>• Lead the morning and exit ward rounds</li><li>• Make a full assessment of patients by taking a structured history and by performing a focused clinical examination</li><li>• Request, interpret and discuss appropriate investigations to synthesise findings into an overall impression, management plan and diagnosis</li><li>• Identify when the clinical course is progressing as expected and when medical or surgical complications are developing, and recognise when operative intervention or re-intervention is required and ensure this is carried out</li><li>• Manage complications safely, requesting help from colleagues where required</li><li>• Identify and initially manage co-morbidity and medical complications, referring on to other specialties as appropriate</li><li>• Identify when further therapeutic manoeuvres are not in the patient's best interests, initiate palliative care, and discuss plans with the patient and their family</li><li>• Summarise important points at the end of the ward rounds and ensure all members of the team understand the management plans and their roles within them</li><li>• Give appropriate advice for discharge documentation and follow-up</li><li>• Ensure that all documentation (including results of investigations) will be available when required and interpret them appropriately</li><li>• Give and receive appropriate handover</li><li>• Perform ward-based procedures</li></ul> <p><b>Limitations:</b> This EPA excludes paediatric patients</p>
EPA Entrustment Level to be Attained by Exit	Level 4

**UROLOGY SURGERY EPA 2**  
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Title	<b>Performing Urology Surgical Procedures</b>
Specifications and limitations	<p>This EPA contains the following elements:</p> <ul style="list-style-type: none"> <li>• Assess patients' medical and pre-morbid conditions.</li> <li>• Review the elective operating list, accounting for case mix, skill mix, operating time, clinical priorities, and patient comorbidities.</li> <li>• For emergency cases that require operative treatment plans, explain these plans to the patient, and carry them out.</li> <li>• Identify and prepare a patient for emergency/elective urological operative procedures.</li> <li>• Take consent for elective and emergency cases</li> <li>• Consider urgency and potential for deterioration, in advocating for the timely execution of a procedure or therapy.</li> <li>• Organise, prioritise and coordinate a list of emergency operative procedures.</li> <li>• Ensure the "Time-Out"/safety checklist (or equivalent) is completed for each patient.</li> <li>• Prescribe prophylactic antibiotics, when required, and follow local protocol.</li> <li>• Synthesise the patient's surgical condition, the technical details of the operation, comorbidities and medications into an appropriate operative plan for the patient.</li> <li>• Carry out the operative procedures in a technically safe manner, using time efficiently.</li> <li>• Adapt the operative strategy, considering of pathological findings and any changes in clinical condition during the operation.</li> <li>• Write a full operation note for each patient, ensuring inclusion of all post-operative instructions.</li> <li>• Make appropriate peri- and post-operative management plans in conjunction with anaesthetic colleagues.</li> <li>• Review all patients post-operatively.</li> <li>• Deliver ongoing post-operative surgical care in ward and critical care settings, recognising and appropriately managing medical and surgical complications.</li> </ul> <p><b>Limitations:</b>  This EPA excludes paediatric patients.</p>
EPA Entrustment Level to be Attained by Exit	See <a href="#">Table</a> below

**Table to EPA 2: List of procedures**

**Procedures to be Performed Unsupervised (Entrustment Level 4) at Exit**

<b>Sub-Specialty</b>	<b>Procedure</b>	<b>EPA Entrustment Level to be Attained by Exit</b>
Benign Prostatic Hyperplasia and Prostate Biopsy	1. Transabdominal ultrasound for residual urine, prostatic size & intravesical prostatic protrusion (IPP)	Level 4
	2. Prostate Biopsy, Transrectal Ultrasound (TRUS) and/or Transperineal (under Local Anaesthesia (LA)) and/or Magnetic Resonance Imaging (MRI) Fusion-guided Biopsy	Level 4
	3. Resection of the Prostate (TURP)/Bladder Neck Incision/Endoscopic enucleation of prostate (EEP)	Level 4
General Urology	1. Circumcision	Level 4
	2. Hydrocoelelectomy	Level 4
	3. Vasectomy (see under Andrology)	Level 4
Emergency Urology	1. Suprapubic cystostomy / Cystoscopic guided urinary catheter insertion	Level 4
	2. Scrotal exploration for Torsion or rupture	Level 4
Endourology	1. Cystoscopy (Rigid/Flexible)	Level 4
	2. Optical urethrotomy	Level 4
	3. Litholapaxy of bladder stone	Level 4
	4. Stenting of ureter	Level 4
	5. Extracorporeal Shock Wave Lithotripsy (ESWL)	Level 4
	6. Semi-rigid ureteroscopy & lithotripsy (URS)	Level 4
	7. Retrograde Intra-renal surgery/Flexible ureteroscopy (R.I.R.S)	Level 4
Laparoscopy	1. Open Hasson cannula insertion / Port insertion / Veress needle insertion	Level 4
Urologic oncology	1. Transurethral Resection of Bladder Tumor (TURBT)	Level 4
	2. Radical orchidectomy	Level 4
Female Urology and Neuro-urology	1. Urodynamic studies	Level 4
	2. Video-urodynamic studies	Level 4

**Procedures to be Performed with Direct Supervision (Entrustment Level 2) / Indirect Supervision (Entrustment Level 3) at Exit**

<b>Sub-Specialty</b>	<b>Procedure</b>	<b>EPA Entrustment Level to be Attained by Exit</b>
Endourology	1. Percutaneous Nephrolithotomy (PCNL)	Level 3
Laparoscopy	1. Lap/Robotic Pyeloplasty	Level 3
Urologic Oncology	1. Radical nephrectomy / Nephroureterectomy (Open/Laparoscopic/Robotic)	Level 3
	2. Partial nephrectomy (Open/Laparoscopic/Robotic)	Level 3
	3. Radical prostatectomy (Open/Laparoscopic/Robotic)	Level 3
	4. Radical cystoprostatectomy / Anterior Pelvic Exenteration	Level 3

	5. Penectomy (partial / total)	Level 3
	6. Inguinal lymph node dissection	Level 3
	7. Retroperitoneal lymph node dissection (RPLND)	Level 2
	8. Adrenalectomy (Open/Laparoscopic/Robotic)	Level 3
Female Urology and Neuro-urology	1. Surgery for stress urinary incontinence (SUI) includes Tension-free Vaginal Tape (TVT), TVT-obturator (TVT-O), bulking agent injection, Pubo-vaginal slings and Colposuspension	Level 3
	2. Surgery for genito-urinary fistulae <ul style="list-style-type: none"> <li>includes urethrovaginal fistula (UVF) repair</li> </ul>	Level 3
Reconstructive Urology	1. Uretero-neocystostomy (reimplantation) <ul style="list-style-type: none"> <li>with or without Psoas hitch, boari flap</li> </ul>	Level 3
	2. Ileal conduit diversion	Level 3
	3. Urethroplasty – includes: <ul style="list-style-type: none"> <li>Anterior or posterior</li> <li>With / without buccal mucosa graft</li> </ul>	Level 2
Andrology	1. Testicular Exploration and sperm Extraction (TESE)	Level 3
	2. Correction of penile curvature	Level 3
	3. Insertion of penile prosthesis	Level 3
Renal Transplantation	1. Donor procurement Living-related or cadaveric	Level 2
	2. Implant operation	Level 2

**UROLOGY SURGERY EPA 3**  
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Title	<b>Managing Urology Patients in an Outpatient Setting</b>
Specifications and limitations	<p>[1] Urology outpatient clinics refer to the following:</p> <ul style="list-style-type: none"> <li>• Benign Prostatic Hyperplasia</li> <li>• General Urology</li> <li>• Endourology/Stone</li> <li>• Urologic oncology</li> <li>• Functional Urology</li> <li>• Andrology</li> <li>• Renal Transplantation</li> </ul> <p>[2] This EPA contains the following elements:</p> <ul style="list-style-type: none"> <li>• Gather information: take history, perform physical examination</li> <li>• Generate diagnosis</li> <li>• Prioritise and order relevant investigations, and interpret investigations</li> <li>• Formulate management plan, adjust management plan as needed</li> <li>• Counsel patient, obtain informed consent for procedure</li> <li>• Escalate to a senior surgeon appropriately</li> <li>• Make appropriate referrals to other specialties and/or allied health</li> <li>• Book operative cases with appropriate urgency, duration, and equipment and patient preparation</li> </ul> <p><b>Limitations:</b>  This EPA excludes paediatric patients</p>
EPA Entrustment Level to be Attained by Exit	Level 4

## UROLOGY SURGERY EPA 4

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Title	<b>Managing Acute Emergency Admissions When on Call</b>
Specifications and limitations	<p>This EPA contains the following elements:</p> <ul style="list-style-type: none"><li>• Identify and manage acutely unwell patients who require immediate attention</li><li>• Deliver resuscitative treatment and initial management</li><li>• Ensure sepsis is recognised and treated in compliance with protocol</li><li>• Make a full assessment of patients by taking a structured history and by performing a focused clinical examination</li><li>• Request, interpret and discuss appropriate investigations to synthesise findings into an overall impression, management plan and diagnosis</li><li>• Identify when the clinical course is progressing as expected and when medical or surgical complications are developing</li><li>• Recognise when operative intervention or re-intervention is required and ensure this is carried out</li><li>• Manage complications safely, requesting help from colleagues where required</li><li>• Identify and initially manage co-morbidity and medical complications, referring on to other specialties as appropriate</li><li>• Ensure that all documentation (including results of investigations) will be available when required and interpret them appropriately</li><li>• Give and receive appropriate handover</li><li>• Perform ward-based procedures</li><li>• Reply blue aka referral letters</li></ul>
	<p><b>Limitations:</b> This EPA excludes paediatric patients</p>
EPA Entrustment Level to be Attained by Exit	Level 4