

**ADVANCED TRAINING IN**

**ENDOUROLOGY**

## **General Introduction**

Requirements are two years in clinical training at specialist registrar level in a recognised endourology training programme.

## **Training Programme**

The following advanced knowledge and skills should be acquired

- a. An advanced understanding of metabolic stone disease and upper urinary tract physiology including renal function
- b. The physics of shockwave lithotripsy and the bio-effects of shock-waves
- c. The physics of light transmission, principles of imaging systems
- d. Gross and microscopic pathology related to the upper urinary tract
- e. The ability to interpret radiographic and other imaging procedures
- f. A knowledge of the investigation and assessment of patients referred for endourological management of stone disease, upper urinary tract obstruction and urinary tract cancer.
- g. Clinical competence in the diagnosis and management of upper urinary tract stone disease including:
  - shockwave lithotripsy
  - percutaneous nephrolithotomy
  - ureteroscopy
  - non-mechanical methods of stone disintegration
- h. Clinical competence in the management of upper urinary obstruction
  - methods of antegrade endopyelotomy
  - retrograde endopyelotomy
  - laparoscopic pyeloplasty
- i. Clinical competence in the management of upper urinary tract tumours in collaboration with the specialist uro-oncologist including
  - methods of assessment of upper urinary tract tumours suitable for endoscopic management
  - endoscopic surveillance of the upper urinary tract following endoscopic ablation
  - endoscopic tumour destruction
  - the technique of laparoscopic nephro-ureterectomy and laparoscopically assisted nephro-ureterectomy
  - laparoscopic radical nephrectomy
- j. Clinical competence in the management of upper urinary tract strictures
  - joint management with the uro-radiologist
  - balloon dilatation
  - endoscopic incision

Trainee ..... Year of Training .....

	Completed by Trainee						Completed by Trainer							
	On appointment			At Completion			Competence level at 6 months				Competence level at 12 months			
	Seen	Assisted	Solo	Seen	Assisted	Solo	1	2	3	4	1	2	3	4
<b>Endourology</b>														
Use of guidewires & stents														
Ureterscopy and stone extraction														
Percutaneous nephrostomy														
Antegrade ureteric stenting														
PCNL														
Open stone surgery														
Laparoscopic urology														
Endoscopic treatment of PUJ obstruction														
ESWL														

Date:

Signed Trainee:

Signed Trainer:

LEVELS OF COMPETENCE

- Level 1 Needs training to perform the task
- Level 2 Needs supervision in performing the task
- Level 3 Competent to perform the task unsupervised
- Level 4 Competent to train others to perform the task