HANDS-ON TRAINING COURSE

EnucLEAD 2026

Laser and bipolar enucleation of the prostate: Holmium · Thulium Fiber · Bipolar · VR simulation · Morcellation

DATE	TIME	VENUE	PARTICIPANTS
Wednesday 16 December 2026	**09:00 – 16:00** Registration from 08:30	**KARL STORZ UK HQ** & Training Centre, Slough	**10 trainees** 3 faculty

Programme · Wednesday 16 December 2026

Time	Session	Who	Where
08:30 – 09:00	Registration	All	Reception
09:00 – 09:05	Welcome & introduction	All	Lecture room
09:05 – 09:25	Lecture 1 – Lasers and other energy sources for enucleation	Laurian Dragos	Lecture room
09:25 – 09:45	Lecture 2 – Instruments: scopes, bipolar loops, morcellators and disposables	Vinnie During	Lecture room
09:45 – 10:05	Lecture 3 – Technique: en-bloc vs incisional (two/three-lobe), early apical release, continence, safe morcellation	Stephen Gordon	Lecture room
10:05 – 10:20	Coffee break	All	Catering area
10:20 – 10:30	Laser safety briefing · eyewear issued · move to lab	All	Training lab
10:30 – 11:20	**HANDS-ON ROTATION 1**	Pairs 1–5	Training lab
11:20 – 12:10	**HANDS-ON ROTATION 2**	Pairs 1–5	Training lab
12:10 – 13:00	**HANDS-ON ROTATION 3**	Pairs 1–5	Training lab
13:00 – 13:30	Lunch	All	Catering area
13:30 – 14:20	**HANDS-ON ROTATION 4**	Pairs 1–5	Training lab
14:20 – 15:10	**HANDS-ON ROTATION 5**	Pairs 1–5	Training lab
15:10 – 15:20	Coffee break	All	Catering area
15:20 – 15:50	Case discussion and complication management: subtrigonal undermining, ureteric orifice injury, capsular perforation, bleeding, bladder injury during morcellation	All faculty	Lecture room
15:50 – 16:00	Feedback, take-home messages, certificates and close	All faculty	Lecture room

Lectures & discussion · Hands-on · Breaks · Registration & close

Hands-on time totals 4 hours 10 minutes: five 50-minute rotations. Within each pair, trainees swap operator and assistant roles at 25 minutes.

About the course

EnucLEAD is a one-day, hands-on course in enucleation of the prostate. Every trainee operates with the high-power Holmium:YAG laser and the Thulium Fiber Laser (TFL), performs bipolar enucleation, trains on a virtual-reality enucleation simulator and practises morcellation.

Learning objectives

- Understand the physics and practical settings of lasers and bipolar energy for enucleation
- Perform anatomical enucleation steps (mucosal incision, apical release, lobe dissection, haemostasis) on tissue models with both lasers and bipolar energy
- Complete a structured enucleation module on the VR simulator
- Morcellate safely, with bladder distension, visualisation and blade orientation under control
- Recognise and manage common intraoperative complications

Hands-on stations

Five stations run in parallel, so all five pairs are hands-on at once and every pair visits every station.

Station	Activity	Equipment	Supervised by
S1 · Holmium	Laser enucleation in a prostate model	High-power Ho:YAG laser, enucleation scope, prostate model	**Laurian Dragos (Faculty 1)**
S2 · Thulium Fiber	Laser enucleation in a prostate model	Thulium Fiber Laser, enucleation scope, prostate model	**Vinnie During (Faculty 2)**
S3 · Bipolar	Bipolar enucleation	Bipolar generator, resectoscope with enucleation electrode, prostate model	**Stephen Gordon (Faculty 3)**
S4 · VR simulator	Full virtual enucleation: landmarks, apical release, lobe dissection, bleeding and complication scenarios	VR enucleation simulator	**Industry specialist (TBC); Vinnie During (Faculty 2) oversees**
S5 · Morcellation	Morcellation in a bladder model: distension, blade orientation, safe working zone	Morcellator, nephroscope, bladder model	**Industry specialist (TBC); Stephen Gordon (Faculty 3) oversees**

Note Place S2 Thulium Fiber next to S4 VR simulator (Vinnie During), and S3 Bipolar next to S5 Morcellation (Stephen Gordon), so each faculty member can oversee both stations.

Rotation rota

Station view (for faculty)

Rotation	S1 · Holmium	S2 · Thulium Fiber	S3 · Bipolar	S4 · VR simulator	S5 · Morcellation
R1 10:30 – 11:20	Pair 1	Pair 2	Pair 3	Pair 4	Pair 5
R2 11:20 – 12:10	Pair 5	Pair 1	Pair 2	Pair 3	Pair 4
R3 12:10 – 13:00	Pair 4	Pair 5	Pair 1	Pair 2	Pair 3
R4 13:30 – 14:20	Pair 3	Pair 4	Pair 5	Pair 1	Pair 2
R5 14:20 – 15:10	Pair 2	Pair 3	Pair 4	Pair 5	Pair 1

Trainee view (for name badges)

Pair	R1 10:30	R2 11:20	R3 12:10	R4 13:30	R5 14:20
Pair 1 T1 & T2	Holmium	Thulium Fiber	Bipolar	VR simulator	Morcellation
Pair 2 T3 & T4	Thulium Fiber	Bipolar	VR simulator	Morcellation	Holmium
Pair 3 T5 & T6	Bipolar	VR simulator	Morcellation	Holmium	Thulium Fiber
Pair 4 T7 & T8	VR simulator	Morcellation	Holmium	Thulium Fiber	Bipolar
Pair 5 T9 & T10	Morcellation	Holmium	Thulium Fiber	Bipolar	VR simulator

Every trainee uses the Holmium laser, Thulium Fiber Laser, bipolar, VR simulator and morcellator once each.

Faculty

Faculty	Lecture	Hands-on station (all rotations)	Afternoon
Laurian Dragos (Faculty 1)	Lecture 1 – Lasers and other energy sources	**Supervises S1 Holmium**	Case discussion; close
Vinnie During (Faculty 2)	Lecture 2 – Instruments	**Supervises S2 Thulium Fiber; oversees S4 VR simulator**	Case discussion; close
Stephen Gordon (Faculty 3)	Lecture 3 – Technique	**Supervises S3 Bipolar; oversees S5 Morcellation**	Case discussion; close

Equipment checklist

- ☐ S1 · 1 × high-power Ho:YAG laser with enucleation fibres, scope stack with irrigation
- ☐ S2 · 1 × Thulium Fiber Laser with enucleation fibres, scope stack with irrigation
- ☐ S3 · 1 × bipolar generator with resectoscope, enucleation electrodes and irrigation
- ☐ S4 · 1 × VR enucleation simulator with trainee log-ins
- ☐ S5 · 1 × morcellator with nephroscope, scope stack and bladder model
- ☐ Prostate models: at least 15 (one per pair at S1, S2 and S3), plus spares
- ☐ Industry specialists for S4 VR simulator and S5 Morcellation
- ☐ Laser safety eyewear matched to each wavelength; warning signs; named Laser Protection Supervisor
- ☐ Name badges showing pair number and rotation order