

FIRST ANNUAL

Anatomic Enucleation Course 2026

Master Enucleation. Build Your Program. Elevate Your Practice.

August 21–22, 2026 · For Attending Urologists & Urology Fellows



DATES
Aug 21–22, 2026



FORMAT
High-Fidelity
Hydrogel Training
+ Didactics



FACULTY
13 Expert
Surgeons



AUDIENCE
Attendings &
Fellows



WHY THIS COURSE. WHY NOW.

The Definitive Training Experience for Enucleation Surgery

Enucleation is the future of BPH surgery, and the surgeons who master it now will define the standard of care for the next generation. The First Annual Anatomic Enucleation Course is a landmark two-day intensive designed for attending urologists and urology fellows who are ready to go beyond the basics. Led by 13 of the most experienced enucleation surgeons in the country, this program delivers the skills, confidence, and institutional know-how to make enucleation a cornerstone of your practice.

Over two immersive days, you will get hands-on time in high-fidelity hydrogel simulation stations, hear directly from surgeons running the highest-volume enucleation programs in the US, and walk away with a clear roadmap — whether you are a fellow preparing for independent practice or an attending ready to launch or elevate your enucleation program.

2

Intensive Training Days

6+

Hydrogel Simulation Stations

13

Expert Faculty & Proctors

8

Core Curriculum Topics

Course Mission

To equip attending urologists and urology fellows with the hands-on skills, evidence-based knowledge, and programmatic tools needed to confidently perform anatomic enucleation of the prostate, through immersive high-fidelity hydrogel simulation, expert faculty mentorship, and a platform-agnostic curriculum spanning HoLEP, ThuLEP, DiLEP, and emerging robotic techniques.

WHAT YOU WILL LEAVE WITH

- ✓ Hands-on simulation proficiency in HoLEP, ThuLEP & TFL
- ✓ A clear playbook for launching or growing your program
- ✓ Strategies for managing complications with confidence
- ✓ Evidence to counsel patients and drive referrals
- ✓ Proctor access for credentialing at your institution
- ✓ A network of the top enucleation surgeons in the US

A Curriculum Built Around What You Actually Need

Every topic was chosen because it directly impacts your ability to perform enucleation safely, build a sustainable program, and counsel patients with confidence. No filler. No fluff. Just the curriculum that matters.

<p> 01</p> <h2>Holmium Laser Enucleation (HoLEP)</h2> <p>Master the three-lobe and two-lobe techniques with emphasis on anatomical plane identification, efficient hemostasis, and morcellation strategy. Review of setup, instrumentation, and laser settings.</p>	<p> 02</p> <h2>Emerging Energy Platforms</h2> <p>Comparative analysis of ThuLEP, DiLEP, and GreenLEP. Understand energy-tissue interactions, coagulation profiles, and patient selection criteria for each modality.</p>
<p> 03</p> <h2>Anatomical Dissection Planes</h2> <p>High-fidelity hydrogel simulation of the prostatic capsule and adenoma interface. Deep dive into the surgical anatomy that informs safe, complete enucleation across all platforms.</p>	<p> 04</p> <h2>Robotic-Assisted Approaches</h2> <p>The emerging role of robotic platforms in enucleation surgery — technique nuances, current evidence, and the future trajectory of robot-assisted endoscopic enucleation (RAEE).</p>
<p> 05</p> <h2>Outcomes & Evidence Review</h2> <p>Critical appraisal of randomized data comparing enucleation versus resection versus ablation. Incorporate evidence-based selection criteria into your practice model.</p>	<p> 06</p> <h2>Complication Recognition & Management</h2> <p>Intraoperative and postoperative complication scenarios: capsular perforation, bleeding control, TUR syndrome avoidance, and capsular approach modification strategies.</p>
<p> 07</p> <h2>Building an Enucleation Program</h2> <p>Credentialing pathways, OR setup, team training, proctorship frameworks, and financial modeling for implementing or expanding an enucleation program at your institution.</p>	<p> 08</p> <h2>Patient Selection & Counseling</h2> <p>Identifying ideal candidates, managing expectations, retrograde ejaculation counseling, long-term outcomes data, and how to present enucleation versus other BPH treatment options.</p>

PROGRAM SCHEDULE

Two Days That Will Transform Your Practice

DAY 1 · SIMULATION & FACULTY DINNER

Friday · August 21, 2026

12:00 – 12:45	Lunch / Introductions	BREAK
1:00 – 5:00	Hands-On Simulation Supervised high-fidelity hydrogel simulation training. Rotating small-group stations with direct faculty feedback.	LAB
6:00 – 9:00	Faculty Dinner Faculty and participant networking dinner.	SOCIAL

DAY 2 · DIDACTICS, PANELS & LIVE SURGERY

Saturday · August 22, 2026

6:30 – 7:00	Registration / Breakfast	WELCOME
7:00 – 7:10	Welcome & Introduction Course directors' opening remarks and faculty introductions.	WELCOME
7:10 – 7:30	En-Bloc Technique Overview of en-bloc enucleation: anatomical principles, capsular identification, and operative efficiency.	LECTURE
7:30 – 7:50	TFL Technique Thulium fiber laser technique: setup, energy settings, tissue interaction, and comparison with holmium.	LECTURE
7:50 – 8:00	Ejaculatory Sparing Options Current evidence and surgical strategies for preserving ejaculatory function during enucleation.	LECTURE
8:00 – 8:20	Managing Complications Recognition and intraoperative management of bleeding, capsular perforation, and other adverse events.	LECTURE
8:20 – 8:40	Learning Curve Optimization Data-driven strategies to shorten the learning curve: proctorship models, simulation, and metrics.	LECTURE
8:40 – 9:00	Questions & Discussion	PANEL
9:00 – 9:15	Coffee Break	BREAK
9:15 – 10:15	Panel: Management of Complications Expert panel discussion and case-based review of complication recognition, prevention, and management.	PANEL
10:15 – 11:00	Panel: Obstacles to Starting a Practice	PANEL

11:00 – 12:30

Live Surgery / Lunch

Practical guidance on credentialing, OR setup, team training, financial considerations, and proctorship frameworks.

Live operative demonstration with concurrent lunch. Real-time commentary from faculty.

LAB

AEEP · ANATOMIC ENUCLEATION EXPERIENTIAL PROGRAM

Saturday · August 22, 2026 · Rotating Hands-On Stations

STN	Station	Description
1	HoLEP	Holmium laser enucleation hands-on station
2	HoLEP	Holmium laser enucleation hands-on station
3	Thulio	Thulium laser enucleation — Thulio platform
4	TFL	Thulium fiber laser technique station
5	TFL	Thulium fiber laser technique station
6	Thulio	Thulium laser enucleation — Thulio platform
7	OR Setup, Troubleshooting & Ergonomics / Morcellation	Equipment setup, scope ergonomics, and morcellation technique
8	Health Economics / Billing / Ask the Expert	Reimbursement, coding, and financial modeling with expert Q&A
9	Break / Visit Industry	Rest and industry exhibit hall access

 Lecture

 Hydrogel Simulation

 Panel

 Workshop

 Break/Social

Faculty, Protocols & Proctors

Our course faculty includes protocols actively performing enucleation surgery at their home institutions, as well as proctors who provide credentialing oversight and mentorship support. Together they represent some of the highest-volume enucleation programs in the United States, spanning Northwestern Medicine, Mayo Clinic, Ohio State, and leading community and academic centers.



Amy Krambeck

Course Director / Protocol

Northwestern Medicine - Chicago, IL

Dr. Krambeck is one of the most experienced HoLEP surgeons in the United States, with over 2,000 enucleation procedures performed. She leads the endourology program at Northwestern Medicine Chicago and has trained the next generation of enucleation surgeons across the country. Her research focuses on laser physics, surgical outcomes, and advancing same-day discharge pathways.

Areas of Focus

- › HoLEP Technique & Learning Curve
- › Program Development
- › Surgical Outcomes Research



Ahmed Ghazi

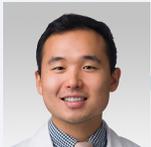
Proctor

Johns Hopkins Medical School - Baltimore, MD

Dr. Ghazi is a urologist and simulation expert at Johns Hopkins Medical School with a nationally recognized focus on high-fidelity surgical training and hydrogel simulation models. He brings unique expertise in simulation-based procedural education to the course.

Areas of Focus

- › High-Fidelity Simulation
- › Surgical Training Technology
- › Hydrogel Models



Perry Xu

Protocol

Northwestern Medicine - Chicago, IL

Dr. Xu practices at Northwestern Medicine Chicago with a focus on minimally invasive urologic surgery and enucleation-based BPH treatment. He is an active participant in the Northwestern HoLEP program and training initiatives.

Areas of Focus

- › Minimally Invasive Urology
- › HoLEP
- › BPH Treatment



Amanda Vo

Protocol

Northwestern Medicine - Chicago, IL

Dr. Vo is a urologist at Northwestern Medicine Chicago with expertise in enucleation techniques and endoscopic surgery. She contributes to the Northwestern program training and quality improvement initiatives.

Areas of Focus

- › Enucleation Techniques
- › Quality Improvement
- › Patient Outcomes



Jeremy Lai

Protocol

Northwestern Medicine - Winfield, IL

Dr. Lai is a urologist at Northwestern Medicine Winfield with a focus on enucleation-based BPH surgery and high-fidelity simulation training. He has been instrumental in expanding the Northwestern enucleation program to the Winfield campus.

Areas of Focus

- › HoLEP
- › Community Program Expansion
- › Simulation Training



Matthew Sloan

Protocol

Northwestern Medicine - Winfield, IL

Dr. Sloan practices at Northwestern Medicine Winfield and specializes in enucleation techniques and endoscopic urology. He collaborates closely with the Chicago campus on program development and outcomes tracking.

Areas of Focus

- › Endoscopic Urology
- › BPH Surgery
- › Program Development



Henry Wright

Protocol

Northwestern Medicine - Huntley, IL

Dr. Wright is a urologist at Northwestern Medicine Huntley with expertise in enucleation surgery. He represents the expanding reach of the Northwestern enucleation program across the greater Chicago region.

Areas of Focus

- › Enucleation Surgery
- › Community Urology
- › Northwestern Program



Chandler Dora

Protocol

Mayo Clinic - Jacksonville, FL

Dr. Dora is a urologist at Mayo Clinic Jacksonville with expertise in enucleation-based BPH surgery. He brings the Mayo Clinic perspective on standardized outcomes and evidence-based surgical practice.

Areas of Focus

- › HoLEP
- › Evidence-Based BPH Surgery
- › Mayo Clinic Outcomes



Matthew Lee

Protocol

Ohio State University - Columbus, OH

Dr. Lee is a urologist at Ohio State University with a focus on enucleation techniques and minimally invasive BPH surgery. He contributes expertise in same-day discharge pathways and cost-efficiency research.

Areas of Focus

- › HoLEP
- › Same-Day Discharge
- › Cost-Efficiency Research



Charles Nottingham

Proctor

Mercy Clinic Urology - St. Louis, MO

Dr. Nottingham trained in the Division of Urology at Washington University in St. Louis before joining Mercy, where he has built an active HoLEP and Endourology program. He is one of the most research-active enucleation surgeons in the country.

Areas of Focus

- › HoLEP in Complex Patients
- › Same-Day Discharge & Outcomes Research
- › MOSES Technology & Laser Optimization



Austin Slade

Proctor

Capital Surgical Associates - Boise, ID

Dr. Slade is a urologist at Capital Surgical Associates in Boise, Idaho, where he leads an active enucleation program in a high-volume community setting. He serves as a proctor, supporting surgeons in establishing and refining their enucleation practices.

Areas of Focus

- › Community Enucleation Program
- › Proctor Mentorship
- › High-Volume Practice



Deepak Agarwal

Proctor

University of Minnesota - Minneapolis, MN

Dr. Agarwal is a urologist at the University of Minnesota with a focus on endoscopic BPH surgery and enucleation training. He contributes academic expertise and serves as a proctor to support credentialing and program-building for course participants.

Areas of Focus

- › Academic Urology
- › Enucleation Training
- › Proctor Support



Nir Tomer

Protocol

Northwestern Medicine - Chicago, IL

Dr. Tomer is a urologist at Northwestern Medicine Chicago with expertise in endoscopic BPH surgery and enucleation techniques. He contributes to the Northwestern enucleation program and participates in outcomes research and surgical education.

Areas of Focus

- › Endoscopic BPH Surgery
- › HoLEP
- › Surgical Education

Faculty, Protocols & Proctors by Institution

The following surgeons and institutions are participating in the First Annual Anatomic Enucleation Course as faculty protocols or proctors. Protocols are actively performing enucleation surgery at their institutions; proctors provide credentialing oversight and mentorship support for surgeons building new programs.

NAME	INSTITUTION	ROLE
Amy Krambeck	Northwestern Chicago	PROTOCOL
Nir Tomer	Northwestern Chicago	PROTOCOL
Perry Xu	Northwestern Chicago	PROTOCOL
Amanda Vo	Northwestern Chicago	PROTOCOL
Jeremy Lai	Northwestern Winfield	PROTOCOL
Matthew Sloan	Northwestern Winfield	PROTOCOL
Henry Wright	Northwestern Huntley	PROTOCOL
Chandler Dora	Mayo Clinic — Jacksonville, FL	PROTOCOL
Matthew Lee	Ohio State	PROTOCOL
Charles Nottingham	St. Louis, MO	PROCTOR
Austin Slade	Capital Surgical Associates — Boise, ID	PROCTOR
Deepak Agarwal	University of Minnesota	PROCTOR
Ahmed Ghazi	Johns Hopkins Medical School	PROCTOR

WHO SHOULD ATTEND

Designed for Attendings & Fellows Ready to Lead

This course is purpose-built for two audiences: attending urologists looking to add or advance enucleation in their practice, and urology fellows preparing to enter independent practice with a competitive, in-demand skill set. Seats are strictly limited to ensure every participant gets meaningful time at the simulation stations with direct faculty feedback.



Urology Fellows

Enter independent practice with enucleation already in your skillset. Leave with the technical foundation, evidence literacy, and faculty connections to launch a program from day one.



Early-Career Attendings

Build your enucleation program the right way from the start. Get the technical foundation, credentialing roadmap, OR setup guidance, and proctor connections you need to hit the ground running.



Experienced Attending Urologists

Already doing HoLEP? Level up. Explore ThuLEP, TFL, emerging robotic platforms, and advanced anatomy scenarios. Get faculty-level feedback on your technique from the most experienced enucleators in the country.



Program Directors & Chiefs

Looking to build enucleation into your department or training program? Get the outcomes data, operational frameworks, and faculty relationships to make it a reality at your institution.

Six Reasons Attendings & Fellows Choose AEC 2026

01 Hands-On Simulation That Actually Replicates the OR

Our high-fidelity hydrogel models replicate the feel of real prostatic tissue. Low participant-to-faculty ratios mean you get real, personalized feedback — not just observation.

02 Learn Every Platform, Not Just One

HoLEP. ThuLEP. TFL. Thulio. Robotic enucleation. We cover the full landscape so you can choose the right platform for your practice — and stay ahead as technology evolves.

03 Direct Access to the Country's Top Enucleators

You will learn directly from 13 surgeons running the highest-volume enucleation programs in the US — not a slide deck, not a video. Real conversation, real feedback, real mentorship.

04 Evidence That Actually Changes Practice

Every session is built around the data that matters — RCTs, registry outcomes, and real-world series. No fluff. Walk away knowing exactly how to counsel patients and justify your program.

05 A Roadmap to Launch Your Program Monday Morning

Credentialing, OR setup, billing, proctorship, team training — we cover all of it. Fellows and attendings alike leave with a step-by-step plan to build or grow their enucleation program immediately.

06 Stay Ahead of the Curve

Robotic enucleation, AI-guided dissection, new energy platforms — the field is moving fast. This course puts you at the front of that wave, not chasing it.

REGISTRATION

Limited Seats. Unlimited Impact.

Space is strictly limited to protect the quality of the hands-on simulation experience. This is the first — and most accessible, iteration of this course. The course is offered at an accessible registration fee of \$1,000 for attending physicians and \$500 for fellows, reflecting our commitment to delivering premier educational value to the Endourology community. Please note that this training is highly selective, and registration alone does not guarantee a spot.

How to Register

1. Visit our registration page
2. Complete the participant information form.
3. If selected, you'll receive a follow-up email with a payment link to secure your place in the course.
4. Receive confirmation and per-course reading materials.

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Advancing Proficiency in Enucleation-Based BPH Surgery