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HANDS-ON VASCULAR SURGERY: EXPLORING MODERN ENDOVASCULAR THERAPIES

Dr. William Rothstein

Assistant Professor – Vascular Surgery

Connecting the Heart of Kentucky

FACULTY DISCLOSURE

- I have no relevant financial relationships with ineligible companies to disclose.

EXPECTED OUTCOME, EDUCATIONAL NEED PRACTICE GAP

- **Expected Outcome:** Participants will use procedural knowledge to inform endovascular care and demonstrate foundational EVAR device deployment and catheter navigation skills in simulation.

- **Educational Need:** Clinicians need applied instruction in carotid stenting indications and TCAR flow reversal, EVAR with proximal fixation using endo-anchors, and catheter manipulation for thrombectomy.

- **Practice Gap:** The curriculum suggests a gap between knowledge of endovascular therapies and the ability to apply procedural steps and device skills. Optimal practice requires appropriate clinical decisions supported by technical competence.

OBJECTIVES

- Describe the indications, devices, and procedural steps involved in carotid artery stenting, including the principles of transcarotid artery revascularization (TCAR) and flow reversal.
- Demonstrate the fundamentals of endovascular aneurysm repair (EVAR) with proximal fixation using endo-anchors on an abdominal aortic aneurysm (AAA) simulator.
- Apply basic catheter navigation and thrombectomy techniques through hands-on use of a vascular angiography simulator.

SESSION FACILITATORS



William Rothstein, MD

Assistant Professor of Surgery

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Whitney Jamison, DNP, AGACNP-BC, APRN

Advanced Practice Provider Supervisor

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SESSION STATIONS

01 Carotid stenting

Explore carotid stent devices with a dry demonstration kit, then watch a short video showing how TCAR uses flow reversal.

02 EVAR with endo-anchor fixation

Practice key procedural steps, real-time decision-making, and endo-anchor proximal fixation on a full-scale EVAR simulator.

03 Thrombectomy

Practice catheter manipulation with hands-on use of a vascular angiogram simulator.

HANDS-ON SESSION

Let’s Get Started!

Join your group at your first station.

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THANK YOU FOR ATTENDING THIS SESSION!

Questions/Discussion

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