Improved Fib With The FOI	eroptic Based I RS Lumiguide S	maging System:
Fiberoptic Senso Hub Allow Imagin Does It Work And	rs Within A Guidewing Guidance With A Bergerience	ire & A Special 3D ny Catheter: How
Carlos H. Timaran, Chief, Endovascula Sam H. Phillips Jr N Professor of Surger	MD r Surgery ID Distinguished Chai y	r in Surgery
Division of Vascular and Endovascular Surgery	Department of Surgery	UT Southwestern Medical Center

### **Disclosures**

- Honoraria / Consultant / Research
- Cook Medical Inc W. L. Gore & Assoc Philips Healthcare

- Some devices presented here are investigational and have not been approved by the FDA

UTSouthweste



• FORS: enables real-time 3D visualization of the full shape of devices inside the body, without the need for radiation























# LumiGuide using UE access

84-year-old male Chief Complaint: Symptomatic 62 mm Juxtarenal aneurysm Comorbidities: HTN, HLD and vertigo Past medical history: No family history of aneurysm







#### **Treatment Plan**

 Branched endovascular aortic aneurysm repair with the Gore®
Excluder® Thoracoabdominal Branch Endoprosthesis (TAMBE)





















## Early experience with LumiGuide

Variable	Procedure with FORS (n=39)
FORS cannulation technical success	81.7%
Total procedure duration, min	440
Fluoroscopy time, min	82.36
Total DAP, Gycm <sup>2</sup>	215.98
Total RAK, mGy	1661.02
ent of Surgery	UTSouth

#### Conclusion

- FORS allows 3D multiplanar navigation with AI semiautomatic registration, which enhances target vessel catheterization with acceptable technical success and potentially reduced radiation
- LumiGuide allows the use of any catheter through both upper extremity and transfemoral access
- The 160-cm LumiGuide wire provides improved torqueability and navigation
- FORS is becoming a gamechanger for endovascular procedures due to the multiple benefits and applications

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