NEUROLOGICAL SURGERY EDUCATION SERIES

April 2, 2025

7 – 8 AM **NEUROLOGICAL SURGERY GRAND ROUNDS**
R5 RESIDENT TALKS

- **Dom Nistal, MD**

Talk Title: The Role of Neutrophil Extracellular Traps (NETs) in Acute Ischemic Stroke Severity and Influence on Treatment Failure

- **Zack Abecassis, MD**

Talk Title: The application of computational fluid dynamics in the Circle of Willis

- **Malia McAvoy, MD**

Talk Title: Biomaterials and How They Will Change Cerebrovascular Neurosurgery

Residents, Department of Neurological Surgery
University of Washington School of Medicine

8 – 9 AM **RESIDENT EDUCATION CONFERENCE**
CANCELLED
No CME Credit

OBJECTIVES:

1. Discuss the methodology for accurately segmenting and depicting flow within the CoW; Discussion of methods to optimize this process (one dimensional versus 3 dimensional modeling); Discuss future applications of this methodology and its potential for clinical application (Abecassis)
2. Define a biomaterial, drug delivery system, and surface modification; Discuss at least 3 different applications of surface modifications to improve outcomes of intracranial aneurysms treated with cerebrovascular stents; Discuss the methodologies in which surface modifications are assessed. (McAvoy)
3. Discuss the role and utility of NETs in neurologic disease (Specifically in ischemic stroke); Discuss the relationship between NETs and severity of stroke (Clinical and radiographic severity); Identify potential targets for treatment (Through understanding the relationship of NET expression and treatment failure) (Nistal)

ACCREDITATION WITH COMMENDATION: The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION: The University of Washington School of Medicine designates this Live Activity for a maximum of *48 AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. (Each session is worth 1 credit)

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To request disability accommodations, contact ADA Office at least 10 days in advance.
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