Challenges in Managing Incidental and Asymptomatic Cerebrovascular Lesions

Program Director  Pierre Fayad, MD, FAAN, FAHA, Omaha, NE

Program Description
Finding asymptomatic cerebrovascular lesions and pathology while evaluating patients is an increasing occurrence with more frequent imaging use and advanced technology. Managing such pathology, however, can be challenging as trials and interventions are mostly focused on symptomatic lesions. Once asymptomatic lesions are identified, patients and treating neurologists have to manage the anxiety that comes with the knowledge of its existence, identify the limited knowledge about its prognosis, and chart the best management path. Advancements in knowledge about natural history of a number of asymptomatic cerebrovascular lesions, randomized clinical trials, and major practice guidelines support the practicing neurologist in dealing with such situations with much more evidence-based information to benefit patients. With the ongoing changes in health care organization, regulation, and financing, this area will take an even more important role as “population health” is expected to drive down the number of interventions in areas where medical or expectant therapy is supported by more evidence. The course is designed to update the attendees with the latest information, evidence, and practice recommendations covering intracranial unruptured aneurysms and vascular malformations, and asymptomatic large vessel intracranial and extracranial atherosclerotic disease.

Learning Objectives
Upon completion, participants should be able to learn the management and recent guidelines on unruptured intracranial aneurysms, learn the management of asymptomatic arteriovenous and cavernous malformations, and learn the management of large vessel intracranial and extracranial atherosclerotic occlusive disease.

Recommended Audience
Trainee; General Neurologist; Specialist Neurologist; Non-neurologist; Advanced Practice Provider

Core Competencies
Medical Knowledge; Patient Care; Systems-based Practice

Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.–8:50 a.m.</td>
<td>Unruptured Intracranial Aneurysms</td>
<td>Robert D. Brown, Jr., MD, FAAN, Rochester, MN</td>
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<td>8:50 a.m.–9:40 a.m.</td>
<td>Asymptomatic Intracranial Vascular Malformations</td>
<td>Natalia S. Rost, MD, FAAN, Boston, MA</td>
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<td>9:40 a.m.–10:00 a.m.</td>
<td>Break</td>
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<td>10:00 a.m.–10:50 a.m.</td>
<td>Asymptomatic Extracranial and Intracranial Large-vessel Atherosclerotic Disease</td>
<td>Pierre Fayad, MD, FAAN, FAHA, Omaha, NE</td>
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<td>10:50 a.m.–11:00 a.m.</td>
<td>Panel Discussion</td>
<td>Faculty</td>
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Asymptomatic Cerebrovascular Lesions: Emerging Insights Guiding Understanding and Management
Asymptomatic Cerebrovascular Lesions: Emerging Insights Guiding Understanding and Management

Program Director  
Paul M. George, MD, PhD, MSE, Stanford, CA

Program Description
As imaging modalities and diagnostics advance, an increasing number of patients present with asymptomatic lesions including carotid stenosis, white matter disease, and vascular abnormalities such as arteriovenous malformations. Recent clinical and translational studies have advanced our understanding of these lesions. Faculty will discuss uncertainties about current management and future directions to improve patient care. This program is modeled after the Integrated Neuroscience Session presented at the AAN Annual Meeting that was a partnership with the American Heart Association/American Stroke Association and the AAN Stroke and Vascular Neurology Section.

Learning Objectives
Upon completion, participants should be able to understand different types of asymptomatic cerebrovascular lesions; gain knowledge about the clinical and translational trials that guide current management of these lesions; and discuss the areas of controversy guiding ongoing and future research.

Recommended Audience
Trainee; General Neurologist; Specialist Neurologist

Core Competencies
Medical Knowledge; Patient Care; Practice-based Learning and Improvement

Schedule

1:15 p.m.–1:25 p.m. 
Introduction  
Paul M. George, MD, PhD, MSE, Stanford, CA

1:25 p.m.–2:10 p.m. 
White Matter Disease: Advances in Understanding and Treatments  
Natalia S. Rost, MD, FAAN, Boston, MA

2:10 p.m.–2:15 p.m. 
Questions and Answers  
Natalia S. Rost, MD, FAAN, Boston, MA

2:15 p.m.–3:00 p.m. 
Intracranial Vascular Lesions: Advances, Uncertainties, and Future Directions  
Paul M. George, MD, PhD, MSE, Stanford, CA

3:00 p.m.–3:05 p.m. 
Questions and Answers  
Paul M. George, MD, PhD, MSE, Stanford, CA

3:05 p.m.–3:20 p.m. 
Break

3:20 p.m.–4:05 p.m. 
Asymptomatic Carotid Stenosis: Diagnostic Advances and Future Directions  
Randolph S. Marshall, MD, FAAN, New York, NY

4:05 p.m.–4:15 p.m. 
Questions and Answers  
Randolph S. Marshall, MD, FAAN, New York, NY

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Challenges in Managing Incidental and Asymptomatic Cerebrovascular Lesions