

## Urgent Assessment of Patients Presenting with TIA

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### First talk:

Presented by Emma Waldegrave, Senior Clinical Vascular Scientist at Oxford University Hospitals NHS Trust

- Carotid Ultrasound in assessment of patients presenting with TIA via the rapid access clinic.
- Carotid Stenosis - Grading, Morphological assessment, and Reporting
- Urgent carotid duplex ultrasound as part of the Rapid Access TIA Clinic has been one service that has continued throughout the COVID19 pandemic. Transient Ischaemic Attack is a medical emergency and if left un-investigated and untreated can lead to subsequent stroke.

This webinar will cover the ultrasound technique for assessment of the Carotid and Vertebral arteries, specifically diagnosing significant carotid stenosis and highlighting the other important features of carotid plaque that require urgent concise reporting and relay to the stroke physician and vascular surgeon as this will significantly influence treatment. Findings such as critical stenosis, near or sub-occlusion, occlusion and plaque rupture and ulceration that lead to TIA and CVA and require urgent attention.

Technical aspects of conducting the scan, grading criteria for carotid stenosis (clarifying ESCT and NASCET grading criteria), discussion of qualitative aspects of the scan regarding describing plaque morphology. How to report these findings and escalate to the relevant teams.

### Second Talk:

Presented by Becky Sandford, a Consultant Vascular Surgeon working in Guys and St Thomas's Hospital, the hub site of the South East London Vascular Network.

Becky has a special interest in Carotid disease and will present on the pathophysiology, assessment and management of TIA;

- Describing the pathophysiology of transient ischaemic attacks, looking at the process that leads to carotid plaques becoming symptomatic.
- The evaluation of patients with TIA covering the diagnostic imaging work up including Ultrasound CT MRI.
- Summarise how the diagnostic and clinical information is assessed in the context of a multidisciplinary team to arrive at the best treatment options for the patients.

Outline the importance of enhancing care coordination among the multi professional team to ensure proper evaluation and management of patient presenting with TIA

