2021 guideline for the prevention of stroke in patients with stroke and transient ischemic attack: a guideline from the American Heart Association/American Stroke Association.

Guideline ID: 2246 Published: 2021 Jul

American Heart Association (AHA) | American Stroke Association (ASA)

Kleindorfer DO, Towfighi A, Chaturvedi S, et al. 2021 guideline for the prevention of stroke in patients with stroke and transient ischemic attack: a guideline from the American Heart Association/American Stroke Association. Stroke. 2021 Jul;52(7):e364-e467. [880 references] PubMed

View Original Guideline

Overview

Guideline Objective

To provide clinicians with evidence-based recommendations for the prevention of future stroke among survivors of ischemic stroke or transient ischemic attack (TIA)

Patient Population

Survivors of ischemic stroke or TIA

Recommendations

Recommendation Statements

Major interventions covered in this guideline include:

- Diagnostic evaluation techniques
- Vascular risk factor management, including lifestyle (e.g., nutrition, physical activity, smoking), hypertension, hyperlipidemia, glucose, obesity, and obstructive sleep apnea
- Management by etiology, including large artery atherosclerosis, moyamoya disease, small vessel disease, cardioembolism, congenital heart disease, cardiac tumors, dissection, hypercoagulable states, hyperhomocysteinemia, malignancy, sickle cell disease, vasculitis, carotid web, fibromuscular dysplasia, and dolichoectasia
- Systems of care, including interventions aimed at health systems, changing patient behavior, and health equity

Note: Full recommendation statements have not been provided because this guideline does not meet EGT's systematic review of the evidence criteria. Refer to the original guideline for more information.

Evidence Rating Scheme

Refer to the original guideline documentation for more information.

Recommendation Rating Scheme

Refer to the original guideline documentation for more information.

Related Content

Supporting Documents

- Correction; 2021 Jun 28.
- Data Supplements.
- Benefits and Risks of Dual Versus Single Antiplatelet Therapy for Secondary Stroke Prevention: A Systematic Review for the 2021 Guideline for the Prevention of Stroke

in Patients With Stroke and Transient Ischemic Attack; 2021 May 24.

- Supplemental Material.

Implementation Tools

- Top Things to Know: 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack; 2021 May 24.
- Customizable Clinical Update Slide Set.
- Webinar: Secondary Stroke Prevention: Evidence-based Recommendations; 2021 Jul 29.
- AHA/ASA Stroke Secondary Prevention Guideline: Key Points; 2021 Jun 2.
- AHA Guidelines On-the-Go available for Android and iOS.

Patient Education

- Resources for Preventing Another Stroke.

Note: This patient information is intended to help patients better understand their health and their diagnosed disorders. Patients and their representatives should still consult with a licensed health care professional for evaluation of treatment options as well as answers to their personal medical questions.

Disclaimer

If you desire to use content from the original clinical practice guideline cited herein, you must contact the guideline developer directly to obtain permission rights.

ECRI's Guideline Profiles are designed to provide information and assist decision-making. Variations in practice will inevitably, and appropriately, occur when clinicians take into account the needs and preferences of individual patients, available resources, and limitations unique to an institution or type of practice. Every healthcare professional using these Guideline Profiles is responsible for evaluating the appropriateness of applying them in a clinical setting.

Copyright © 2025 ECRI