

## HEADS-UP 2027 Categories and Definitions

You **MUST** select at least one category; this is mandatory. You **MAY** also select a “Secondary Category”; **the additional category is optional**. Do **NOT** select an additional, secondary category if it does not fit your submission.

*Note: There may be some overlap of definitions/terms among categories. Please aim for topic specificity as much as possible.*

### **Acute Ischemic Stroke Management**

Focuses on emergency medical management, including neuroprotection, thrombolysis, adjunct therapies and advanced revascularization techniques.

### **Arteriosclerosis, Thrombosis, and Vascular Biology**

Focuses on vascular processes and risk factors—such as atherosclerosis and thrombotic events—that contribute to stroke.

### **Brain Health and Cognitive Impairment**

Covers basic, clinical, experimental, and population-based investigations into relationships between stroke, cerebrovascular disease, and cognitive outcomes. Explores neuroimaging correlates and predictors of cognitive impairment, with a particular (but not exclusive) focus on small vessel disease and vascular dementia.

### **Cerebrovascular Systems and Multidisciplinary Models of Care**

Reviews integrated care models designed to optimize stroke treatment across various healthcare settings.

### **Epidemiology, Risk Factors, and Prevention**

Examines population studies, disease patterns, established and emerging risk factors, and preventive strategies, emphasizing public health approaches.

### **Global Stroke Disparities**

Examines worldwide social determinants of cerebrovascular health, strategies for improving access to evidence-based care in culturally relevant ways, and efforts toward achieving greater equity in stroke outcomes.

### **Health Services, Quality Improvement, and Patient-Centered Outcomes**

Explores strategies to enhance healthcare delivery and research design and ensure treatments align with patient needs and experiences.

### **Hemorrhagic Stroke Treatment**

Dedicated to the latest approaches for managing intracerebral and subarachnoid hemorrhages.

### **Imaging in Stroke**

Explores advances in neuroimaging techniques for stroke diagnosis, management, and prognosis.

### **Molecular and Cellular Brain Science**

Explores the cellular and molecular foundations of stroke, deepening our understanding of neurobiology and pathophysiology.

### **Neurocritical Care and Complex Brain Physiology**

Addresses the intensive care of stroke patients, including advanced monitoring, interventions, and long-term outcomes.

### **Neuroimmunology and Inflammation in Stroke**

Investigates how immune and inflammatory processes influence stroke onset, acute pathological evolution, and recovery, opening doors for new therapeutic targets.

**Neurointervention**

Focuses on endovascular and surgical neurointerventional strategies in stroke and neurovascular conditions.

**Omics, Big Data, Precision Medicine, Bioengineering, and Artificial Intelligence**

Highlights genomic, proteomic, and computational strategies shaping personalized stroke care. Showcases how technology and data-driven tools are transforming stroke diagnosis, treatment, and research, as well as how digital solutions and telehealth are reshaping both acute and long-term stroke care.

**Pediatric Stroke**

Dedicated to the unique pathophysiology, challenges, and treatment protocols for stroke in children.

**Post-Stroke Care**

Covers best practices for stroke units, secondary prevention, and long-term management strategies.

**Practical Updates and Clinical Conundrums**

Features case-based discussions and expert panels addressing real-world challenges in stroke management.

**Psychosocial and Behavioral Aspects of Stroke**

Examines mental and behavioral health in relation to stroke phenomenology, behavioral challenges, and social support systems crucial for stroke recovery.

**Regenerative Medicine and Novel Therapeutic Strategies**

Explores emerging treatments such as stem cell therapy, human-machine interfaces/devices, and novel drug delivery methods aimed at repair, functional recovery, and regeneration.

**Rehabilitation and Recovery**

Highlights innovative rehabilitation methods and long-term support strategies for stroke survivors.

**Translational Research, Therapeutic Development, and Biomarkers**

Bridges basic science with clinical practice by highlighting innovative therapies and the discovery of new biomarkers.

**Vascular Malformations, Aneurysms, Moyamoya, and Other Vascular Conditions**

Addresses congenital and acquired vascular anomalies, their impact on stroke risk, approaches to care, and outcomes.