



BioMed Research International

Special Issue on
Ischemic Stroke in Children and Young Adults

CALL FOR PAPERS

Estimates from the Global Burden of Diseases, Injuries, and Risk Factors Study (GBD 2010) ranked stroke as the second most common cause of death and the third most common cause of disability-adjusted life-years (DALYs) worldwide in 2010. Although stroke is most common in the elderly, a significant number of young adults suffer from stroke each year. In particular, approximately 15% of all ischemic strokes (IS) occur in young adults and adolescents. Early diagnosis remains challenging because of the lack of awareness and the relative infrequency of stroke compared with stroke mimics. Moreover, the causes of IS in the young are heterogeneous and relatively uncommon, resulting in uncertainties about diagnostic evaluation and cause-specific management. Compared with stroke in older adults, stroke in the young has a disproportionately large economic impact by leaving victims disabled before their most productive years. Finally, emerging data have raised public health concerns about the worrisome trend toward an increased incidence of ischemic stroke in the young over the last decade, which counterbalanced the declining stroke incidence rates observed in the oldest age groups over time. The reasons for this incidence trends are not clear. To date, only limited prior public health and research efforts have specifically addressed stroke in the young. Given the increasing physical, emotional, and financial burden young stroke causes, there will need to be greater research into reducing this burden.

We invite investigators to submit original research articles and reviews that will contribute to the field of ischemic stroke at young age. We are particularly interested in articles dealing with the recognition, evaluation, and management of the disease in young adults and adolescents, the characterization of its phenotypes, and the less frequent causes of the disease in this age group. On the other hand, we are equally interested in articles that describe long-term prognosis, functional outcome, and psychosocial consequences of juvenile ischemic stroke.

Potential topics include, but are not limited to:

- ▶ Epidemiology of ischemic stroke at young age
- ▶ Identification and characterization of age-specific predisposing conditions (with emphasis on the emerging risk factors)
- ▶ Genetics of juvenile stroke
- ▶ Uncommon causes of ischemic stroke at young age
- ▶ Acute phase treatment and complications
- ▶ Secondary stroke prevention strategies according to the specific etiologies of brain ischemia
- ▶ Long-term prognosis (including mortality, functional outcome, and psychosocial consequences)

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/vascular.medicine/isya/>.

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First Round of Reviews

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