



ISFAHAN UNIVERSITY OF MEDICAL SCIENCES

SCHOOL OF MEDICINE

PEDIATRIC DEPARTMENT

Thesis for obtaining the speciality degree in Pediatric

Title:

**Neurological outcome after arterial ischemic stroke in
children**

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Abstract:

background: stroke is an Important cause of disability in children. Pediatric stroke may Cause significant permanent cognitive and motor handicap in children.

In this study we evaluated long-term outcome of stroke in pediatric patients who have been discharged with definite diagnosis of stroke in Tehran Mofid children,s Hospital and Isfahan Imam Hossein children,s Hospital from 2005-2012.

Material and methods:

In this study ,a total of 53 children with stroke were included. Stroke outcome as motor disability, seizure and cognitive dysfunctions were assessed in these patients.

Result: After a median fallow up of 4 years, 15patient(24%) had full recovery. 38 patients(71%) had some degree of neurological handicap

Conclusion:approximately 70%of patients with arterial ischemic stroke in children suffer longterm neurological disabilities including motor deficits ,cognitive impairment and late seizures.stroke recurrence is the most important ris factor for severe adverse neurological outcome in pediatric stroke

Key words: arterial-ischemic,stroke,outcome

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