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## Emerging and Reemerging Viral Diseases

21st Century world has seen a globalization of not only the resources of human-mankind but also a spread of diseases among different countries of this planet. Among the reemerging infectious diseases Dengue, Chikungunya, Nipah, Zika virus infections are a concern for increasing morbidity and mortality. HIV is another example where travel beyond borders has contributed for its increasing spread. Among the emerging diseases, SARS, MERS and Bird-flu have given the world a frightening experience few years back with their high mortality rates. Though these diseases were controlled within a short span of time but it is possible that there may emerge a disease which may spread globally and may contribute to a scenario of Pandemic for which the world will be least prepared. The Flu Pandemic of 1918 was an example where millions of people died and was caused by a new strain of Influenza A virus. A new Virus when it jumps from an animal or Bird can cause a devastating effect on the health of a community, country and like-wise the whole world as because there will be no immunity and also antiviral drugs shall be in ineffective. As such we have to improve our health sector to the extent so that we can cope up with problems as and whenever it appears.

**Prof. Dr. Munir Hassan**  
Executive Editor  
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### **Instruction for Authors:**

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#### **Ethical aspects**

Dealing with human subjects relating to ethical aspects should be in accordance with WMA Declaration of Helsinki-Ethical Principles for Medical Research Involving Human Subjects revised in 2008 ([www.wma.net/en/30publication/10policies/b3/](http://www.wma.net/en/30publication/10policies/b3/)). Evidence for approval by the local ethics committee must be supplied by the authors on demand.

#### **Preparation of manuscript**

**Table**

Tables should be simple, self explanatory and supplement, not duplicate the text.

They should be numbered consecutively with Roman numerical(I, II, III, IV, etc) in order of text.

If abbreviations are to be used, they should be explained in footnotes.

Captions should in bold (Table I: .....)

**Illustrations**

All illustrations must be numbered and cited in the text.

Print photograph of each illustration should be submitted

**Figures and photographs**

Should be used only where data cannot be expressed in any other form.

Original Article

## Morphological Pattern of plaque in duplex study of neck vessels among acute ischemic stroke patients

Nurul Amin Khan<sup>1</sup>, Shaheen Wadud<sup>2</sup>, Torikul Islam<sup>3</sup>, Eshita Biswas<sup>4</sup>, AKM Shoab<sup>5</sup>, Tanzila Naz Ananya<sup>6</sup>

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Hospital. Patients admitted within 48 hours of the onset of stroke with CT scan of the brain showing infarct was included for this study. Patients diagnosed with other diseases like infective meningitis (tuberculous or bacterial), space occupying lesions, psychosis, viral/bacterial encephalitis and multiple sclerosis were excluded. A questionnaire was designed for the purpose of this study. With proper preparation duplex study of neck vessels was done with Toshiba Aplio 400 USG machine. Morphological pattern of duplex study of neck vessels of acute ischemic stroke patients were identified. Before collecting data informed written consent was taken from patient/attendant and ethical clearance was taken from Research Review committee of DNMCH. All data were collected and compiled, and data analysis was carried out by using STATA 10 software.

#### Results:

This observational study was done among acute ischemic stroke patients admitted in Neurology department DNMCH, total 30 patients was enrolled with fulfilling inclusion and exclusion criteria. Among them 68% were male and 32% were female and mean age of male patients was  $65.32 \pm 14.20$  and female

are soft plaques and prone to dislodge into cerebral circulation and cause transient ischemic attack, so that plaque characterization according to echogenicity is very important. In our study total 18 patient had plaques and among them 12(40%) had calcified plaque and 4(13%) had low echogenic plaque, moderate and hyper echogenic plaques were 3% in each, Sehrawat et al., Garg S et al. found most of the plaques were low echogenic 45% and 40% accordingly.<sup>13,14</sup> In our study most of the plaques were calcified may be due to most of present to us late after developing TIA or carotid artery insufficiency.

In our study we found most of the patient had concentric plaque 20(67%), than Eccentric plaque in 9(30%) study population. T. Ohara et al. found in there study most of the patient with eccentric plaque distribution and Cerebrovascular events occurred more frequently ipsilaterally to the artery with eccentric stenosis (13.5%) than to the artery with concentric stenosis (5.5%; P .013)<sup>15</sup>

#### Conclusion:

Among different risk factors of

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Original Article

## Incidence of post dural puncture headache among parturients undergoing caesarean section under spinal anaesthesia using median or paramedian approach: A comparative study

Mritunjoy Goswami<sup>1</sup>, Fatema Johora<sup>2</sup>, Mohammad Ali<sup>3</sup>, Tapas Kumar Das<sup>4</sup>, Sadekur Rahman Bhuiyan<sup>5</sup>, Mritunjoy Goswami<sup>6</sup>

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unremarkable high-quality MRI in patient with eight-and-a-half syndrome highlighted the importance of clinical recognition of the syndrome.<sup>3</sup> On the other hand MRA is recommended as it is not only valuable to demonstrate the vascular pathology but also assisting in therapeutic management. In a case of ischemic stroke, treatment with anti-platelet and rehabilitation has been shown to improve the neurological deficit over a period of 3-6 months. Other etiology that contributes to lesion in the lower pontine tegmentum includes multiple sclerosis, vasculitis and brainstem tuberculoma.<sup>4</sup>

#### **Conclusion**

Diagnosis of eight-and-a-half syndrome mainly by clinical signs. It is a rare presentation and we should be capable to recognize the sign. The imaging modalities like MRI brain can help in localization of the lesion and occasionally give some clues for the etiology of that lesion. The diagnosis of the syndrome made precise anatomical localization and ensure proper treatment being given to the patient.

#### **References**



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