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Carotid stenting without use of distal protection devices: Our experience in 30 cases

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Background and purpose: A major concern during carotid artery stent placement is the potential for cerebral embolism. Diminishing the number of device manipulations across the lesion might reduce procedural stroke risk. For this purpose, we report our initial experience with carotid stent placement without the use of distal protection devices.

Materials and methods: Thirty consecutive patients with carotid stenosis compose this series. Twenty four of the 30 stented carotid arteries were symptomatic ([83%]), 17 %percent of them were asymptomatic and had stenosis between 50% and 70%. Patients underwent neurologic evaluation before the procedure and during follow-up at 1, 3, 6, and 12 months. Carotid sonography and MRI Brain plain films were performed immediately after the procedure.

Results: Primary stent placement was successful in all cases case subjects. . No Neurologic periprocedural complications. The degree of stenosis decreased from a mean of 78.85% before the procedure to a mean of 21.% immediately after.

Conclusions: In this series, carotid stent placement without the use of distal protection devices was safe and effective with no incidence of periprocedural complications

Biography

S Karthikeyan is a 33 years old Gold Medalist in Neurology from Ramachandra University. He has completed his fellowship in Intervention Neurology & Stroke from Max Hospitals and currently he is a Post Consultant Intervention Neurologist in Apollo Hospitals, Chennai.

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