



## Use of a Shunt to Perform Carotid Arterial Bypass Using Non-Reversed Great Saphenous Vein

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Carotid artery surgery carries a significant risk of perioperative stroke and death. Large multi-center studies for asymptomatic carotid stenosis surgery reported an average 30-day stroke and death rate of 5% to 7% [1,2].

The technique of shunt insertion during standard carotid endarterectomy is well established [3,4]. However, carotid artery replacement with vein bypass using an intraluminal shunt is a rarely employed procedure but often required in emergencies. It is technically challenging and carries significant risks of clotting, intimal damage, or difficult insertion and removal of the shunt.

This report provides some tips and tricks to make it feasible and safe. The use of a shunt provides the surgeon with the advantage of constant perfusion of the brain and ensures that the procedure can be carried out without concern about the interruption of cerebral perfusion.

### References

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Received Date: 17 Jan 2023

Accepted Date: 03 Feb 2023

Published Date: 07 Feb 2023

#### Citation:

Hassanin A, Hurley H, Barry MC. Use of a Shunt to Perform Carotid Arterial Bypass Using Non-Reversed Great Saphenous Vein. *World J Surg Surgical Res*. 2023; 6: 1451.

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