



PERSPECTIVE



Note on Perceptions Regarding Endarterectomy

Fhatima Ilaria*

Department of General Surgery, University of Madras, Tamil Nadu, India

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Description

Endarterectomy is a surgical treatment that removes atheromatous plaque material from the walls of an artery that has become restricted due to deposits. The plaque is separated from the artery wall during the procedure. It was originally performed on a subsartorial artery in 1946 at the University of Lisbon by a Portuguese surgeon, Joo Cid dos Santos. EJ Wylie, an American, conducted the procedure on the abdominal aorta in 1951. Later that year, in Argentina, Carrea, Molins, and Murphy completed the first successful carotid artery reconstruction. When the carotid artery is significantly narrowed, an endarterectomy of the carotid artery in the neck is advised to lower the risk of stroke, especially after a stroke. Coronary endarterectomy involves removing atheroma from the wall of blocked blood vessels (coronary) supplying the heart muscle. Prior to the emergence of coronary artery bypass surgery, Bailey first proposed the concept in the 1950s to aid patients with angina and coronary artery disease. When coronary artery bypass surgery is challenging, it is nevertheless used. The world's largest series was published by Livesay in Texas and Nair in Leeds.

A femoral endarterectomy is routinely utilised in conjunction with a vein bypass graft at surgical anastomosis sites. Pulmonary hypertension induced by chronic thromboembolic disorder might be treated with pulmonary thromboendarterectomy. Jamieson has perfected this practise over the previous two decades, and his method has become the industry standard.

Carotid endarterectomy is a procedure to treat carotid artery disease. This disease occurs when fatty, waxy deposits build up in one of the carotid arteries. The carotid arteries

are blood vessels located on each side of your neck (carotid arteries). Plaque formation (atherosclerosis) can reduce blood flow to the brain. Removing the plaque that is narrowing your carotid artery can increase blood flow and lower your risk of stroke.

A local or general anaesthesia is used during carotid endarterectomy. Your surgeon will create an incision across the front of your neck, open your carotid artery, and remove the plaques that have clogged it. The artery is then repaired with stitches or a patch fashioned from a vein or artificial material. A method known as eversion carotid endarterectomy is sometimes used by surgeons. This procedure entails severing the carotid artery and turning it inside out, followed by plaque removal. The artery is then reattached by your surgeon.

A numbing agent may be used during carotid endarterectomy surgery. You could also be given general anaesthetic, which will put you to sleep. Your surgeon will make a cut down the front of your neck to open your carotid artery and remove the plaque deposits that have clogged it. The artery will then be repaired with stitches or a patch fashioned from a vein or artificial material by your surgeon. Another procedure your surgeon might use is to cut the carotid artery and turn it inside out, and then remove the plaque.

If carotid endarterectomy isn't the best option for you, you could get carotid angioplasty and stenting instead. A long hollow tube (catheter) with a tiny balloon attached is threaded through a blood vessel in your neck to the constricted artery in this treatment. After that, the balloon is inflated to expand the artery. To reduce the chances of the artery narrowing again, a metal mesh tube (stent) is frequently placed.

Contact: Ilaria F, E-mail: Fhatimaria34@gmail.com

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