

VASCULAR TREATMENTS

Non-Invasive and Minimally Invasive Procedures

- **Angioplasty and Stenting:** A minimally invasive procedure where a small balloon is inflated inside a narrowed or blocked artery to widen it, followed by the placement of a stent to keep the artery open. This is commonly done for coronary artery disease or PAD.
- **Endovenous Laser Therapy (EVLT):** A minimally invasive treatment for varicose veins, where laser energy is used to close off affected veins.
- **Sclerotherapy:** A procedure for treating varicose veins and spider veins, where a solution is injected into the vein, causing it to collapse and eventually disappear.
- **Carotid Artery Stenting (CAS):** A minimally invasive procedure where a stent is placed in the carotid artery to prevent stroke in patients with carotid artery disease.
- **Thrombolytic Therapy:** The administration of clot-dissolving drugs to treat acute blood clots in conditions like pulmonary embolism (PE), DVT, or stroke.
- **Atherectomy:** A minimally invasive procedure where plaque is removed from the artery using a catheter with a cutting device, laser, or rotating blade.
- **Embolization:** A procedure where materials are injected into blood vessels to block abnormal or bleeding vessels, often used to treat aneurysms, arteriovenous malformations (AVMs), or uterine fibroids.

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Surgical Procedures

- **Bypass Surgery:** Involves creating a new route around a blocked or narrowed artery using a graft (either from the patient's vein or a synthetic material) to restore blood flow. This is commonly done for PAD, coronary artery disease, or blocked carotid arteries.
- **Endarterectomy:** Surgical removal of plaque buildup from the inner lining of an artery, commonly performed on the carotid artery to prevent stroke.
- **Aneurysm Repair:**
 - **Open Surgical Repair:** Involves making an incision to access the aneurysm and placing a synthetic graft to reinforce the weakened area.
 - **Endovascular Aneurysm Repair (EVAR):** A minimally invasive technique where a graft is placed inside the aneurysm using a catheter, avoiding the need for an open surgery.
- **Varicose Vein Surgery:** Traditional surgical removal of varicose veins, often called vein stripping, where the affected veins are tied off and removed through small incisions.
- **Vein Ligation and Stripping:** Removal of a large vein in the leg that is not functioning properly, often used to treat severe varicose veins.