

Vessel filter

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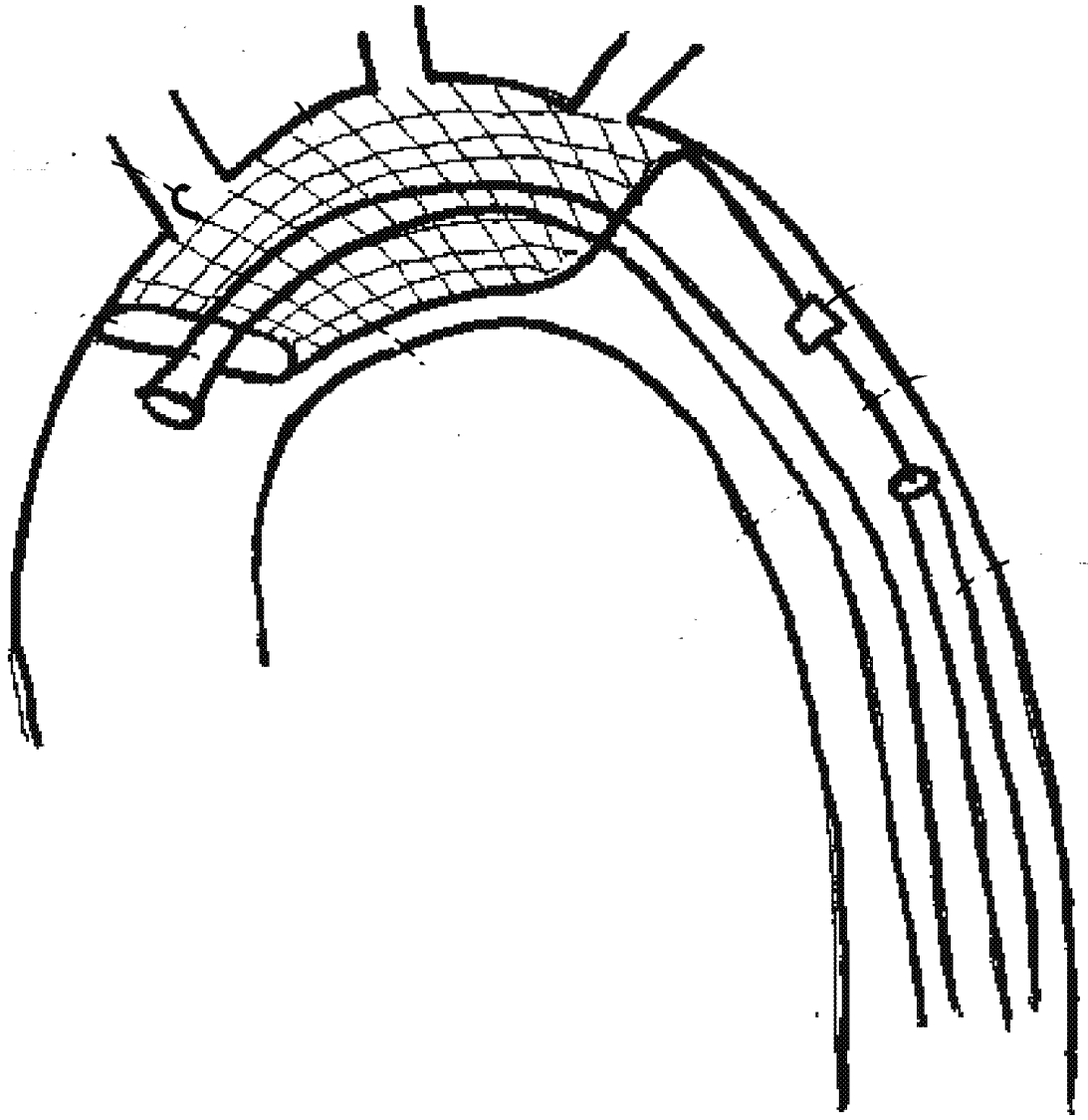
Technology description

Background

Aortic valve repair requires the operator to pass a catheter through the aortic arch in order to deploy the valve. Aortic aneurysm repair is also inching toward the arch with ascending aortic and left subclavian branch grafts entering the market. With the growing market of endovascular repair of valves, ascending and aortic arch disease there is an increasing need for embolic protection.

Technology overview

The technology includes a large vessel filter that can provide embolic protection to the branch vessels (i.e. the left subclavian artery, left common carotid artery, and innominate artery) during endovascular procedures. The filter can be left behind in the aorta throughout and even after the procedure to provide full protection. It also provides a working lumen through which the valve or stent graft can be placed during the procedure.



Advantages

Provides branched vessel protection in regions of treatment.

The filter is left behind thus providing protection through the entire procedure.

This technology can provide embolic protection of the arch and visceral vessels during trans aortic valve repair and branched aortic arch aneurysm repair.

Institution

[Sanford Health](#)

Inventors

[Pat Kelly](#)

联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com