Vascular Patch

Patch for reconstructive interventions in vascular surgery
In the direct closure of endarterectomy reconstruction sites a higher incidence of restenosis is observed. The restoration of the flow pattern by patch angioplasty represents a perfect alternative for direct wound closure. Synthetic patch materials have been widely used in this indication, especially in cases where the autologous vein should be saved for subsequent coronary artery bypass surgery.

Vascular-Patch is produced from polyetherurethane (PUR) that is characterised by:
- excellent elasticity and very high flexibility
- superb biocompatibility
- maximum mechanical long-term stability

During a highly sophisticated production process, which results in a highly textured cross section, PUR is formed into a microporous, microfibrous patch. This patch meets the requirements of:
- perfect healing properties,
- fast formation of a uniform neointima and
- optimal tissue incorporation
- a lack of thrombogenicity

The outstanding performance of Vascular-Patch is based on the following PUR properties:
- superior compliance
- minimal suture hole bleeding
- no tearing of suture lines due to the high tensile strength and elasticity of the patch material
- optimal adaptation properties for anatomically correct closure of the vessel wall
- no tendency of hyperplasia and no signs of chronic inflammatory reactions

Vascular-Patch should be sutured by using round bodied needles with non absorbable suture threats (B. Braun Premilene®). Due to the high elasticity of the material suture hole bleedings do not occur, suture pull-out is safely avoided.
Microporous, microfibrous patch material for applications in vascular surgery

Vascular-Patch can be used for reconstructions of:
- carotid artery
- profunda
- femoral artery
- iliac artery

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