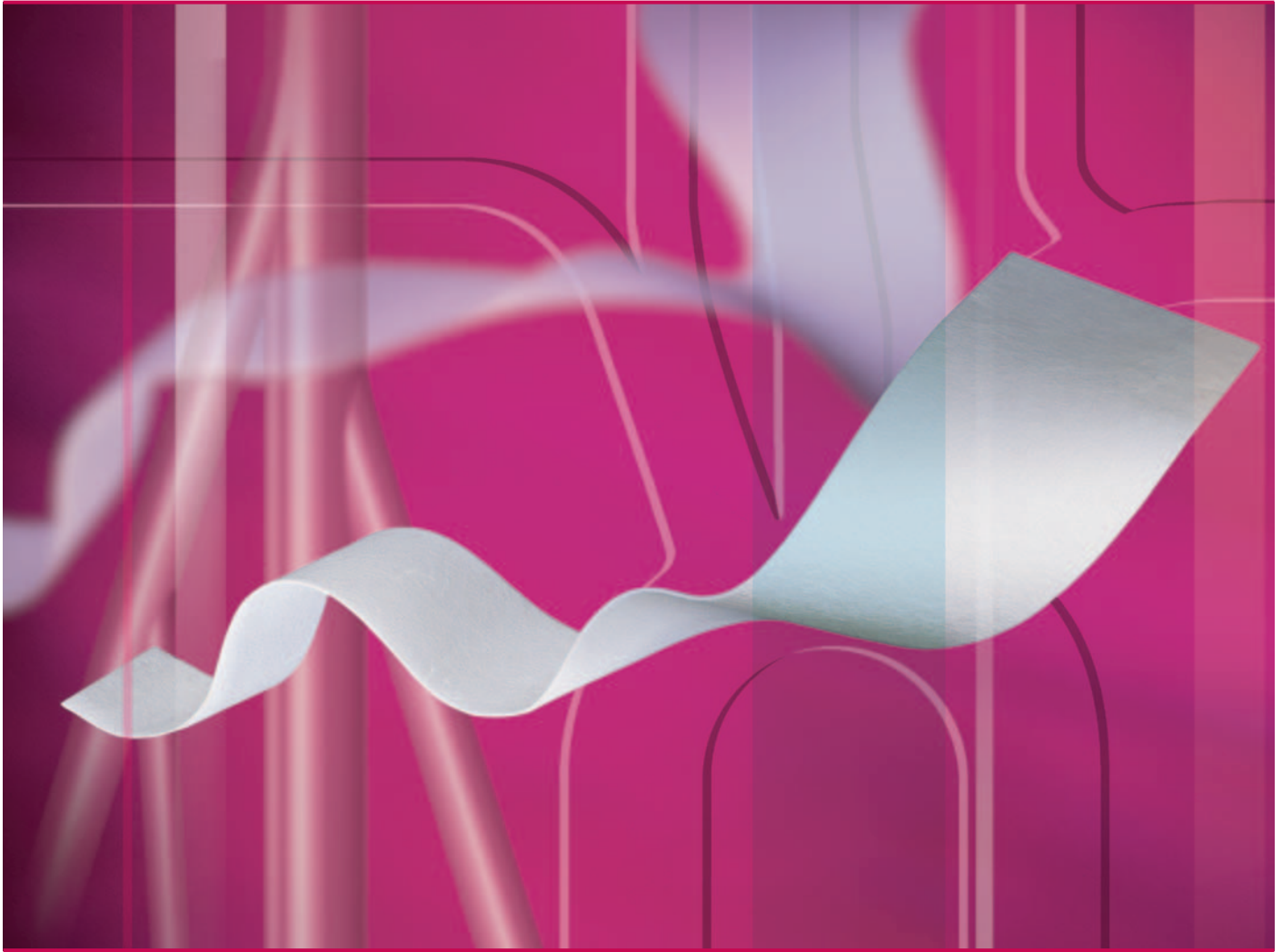


# B. Braun Vascular Systems

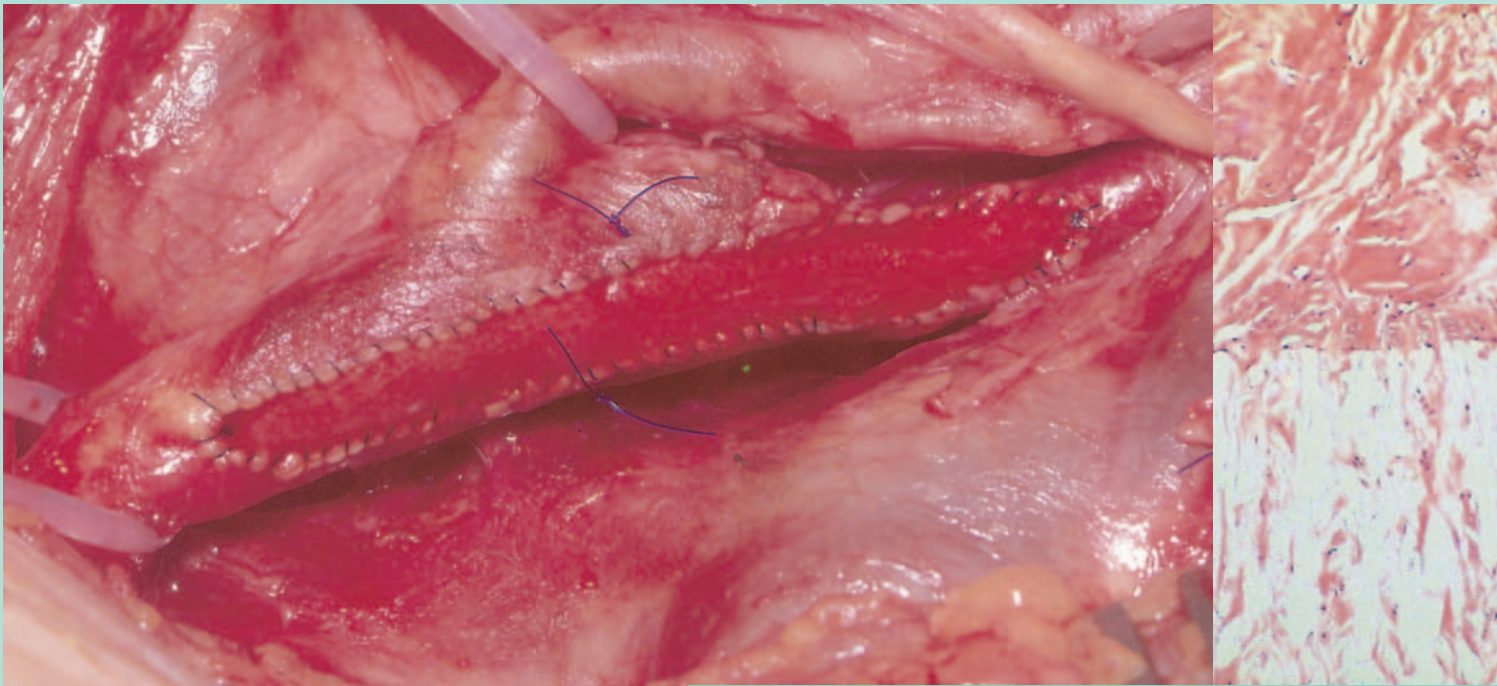
## Vascular-Patch

Patch for reconstructive interventions  
in vascular surgery



# Vascular-Patch

**Microporous, microfibrinous patch material  
for applications in vascular surgery**



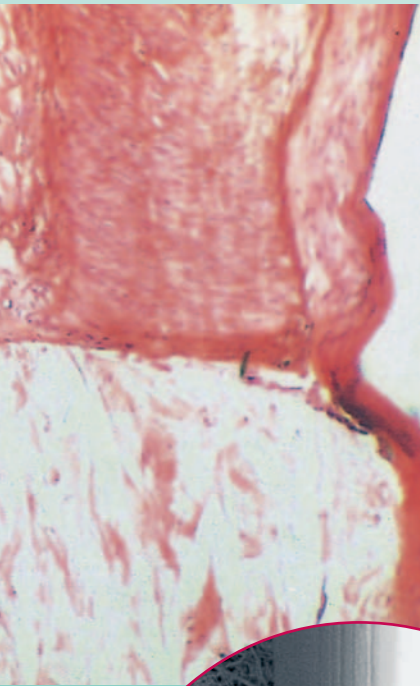
Direct closure of endarterectomised arteries show a higher incidence of restenosis. The restoration of the flow pattern by patch angioplasty represents a perfect alternative for direct wound closure. Synthetic patch materials have been widely used in this indication, especially in cases where the autologous 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

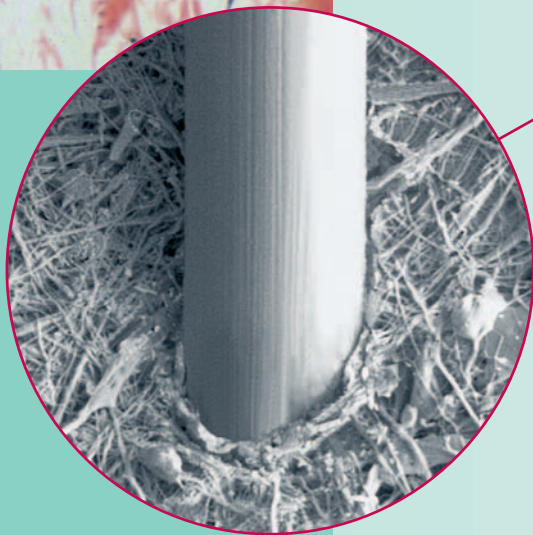
During a highly sophisticated production process, which results in a highly textured cross section, PUR is formed into a microporous, microfibrinous patch. This patch meets the requirements of

- perfect healing properties,
- fast formation of a uniform neointima and
- optimal tissue incorporation
- a lack of thrombogenicity



◀◀ Patch-reconstruction after carotid endarterectomy with Vascular-Patch

◀ Dog carotid artery (H.E., x150) 39 months post implantation. Formation of a thin neointima on the Vascular-Patch (upper part of the picture). Ingrowth of fibroblast in the microporous patch structure.



▲ A polypropylene suture (Premilene® 3/0) passed through a Vascular-Patch. The elastic polyesterurethane material tightly encloses the suture, preventing needle hole bleeding.

The outstanding performance of Vascular-Patch is based on the following PUR properties<sup>1)</sup>:

- 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

# Patch for reconstructive interventions

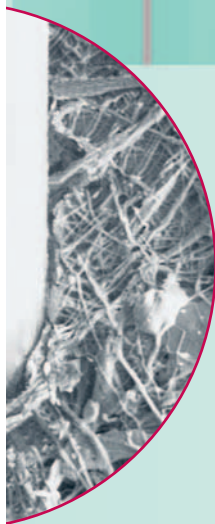
Dimensions	Contents	Cat.-No.
2 x 9 cm	1 piece	1107330
	2 pieces	1107267
	5 pieces	1107275
1 x 7 cm	1 piece	1107348
	2 pieces	1107283
	5 pieces	1107291
3 x 4 cm	1 piece	1107356
	2 pieces	1107321
	5 pieces	1107305

Vascular-Patch can be used for reconstructions of

- carotid artery
- profunda
- femoral artery
- iliac artery

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

# Innovations for Vascular Surgery



- excellent handling properties
- high tensile strength
- superb long-term stability
- optimal tissue incorporation

B. Braun Vascular Systems offers you competent services and high quality products for interventional procedures and vascular surgery:

- ▶ Uni-Graft®
- ▶ VascuGraft PTFE/SOFT
- ▶ Protegraft®
- ▶ Patches
- ▶ Tunneler
- ▶ ProVena
- ▶ Silver Graft
- ▶ VascuFlex® SE/SEC





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