



## Nerve conduit

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**Market Needs:** Medical Device/ Peripheral nerve repair

**Our Technology:** Peripheral nerve regeneration, repair, and grafting after nerve damage

**Strength:** Less inflammation/good elastic, better than that of biodegradable polyesters

**Competing Products:** The peripheral nervous system capable of regeneration that of commercial conduits (Neurotube)

**Intellectual Properties:**

- (1) R.O.C. Patent : TW I466908, U.S. Patent Application No.: US 14/145,393.
- (2) Our team has decades of research experience on nerve conduits, the asymmetric porous structure gave rise to high permeability especially for outward direction and evaluation of regenerated nerves [Chang *et al.*, 2008]. Therefore, the permeable conduits have interconnected pores with asymmetric microporous structure that can increase the nutrient exchange between the lumen and the outer environment, and can enhance the growth and repair of nerves.

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