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(54) Title (EN): IMPLANTABLE VASCULAR GRAFTS

(54) Title (FR): GREFFES VASCULAIRES IMPLANTABLES

(57) Abstract:

(EN): Described are methods of making vascular grafts from man-made tubular scaffolds, tubular scaffolds, and methods implanting vascular grafts comprising tubular scaffolds into subjects. The tubular scaffolds of the present invention are made of hydrogel nanofibers that have internally aligned polymer chains and may be cellularized.

(FR): L'invention concerne des procédés de production de greffes vasculaires à partir d'échafaudages tubulaires artificiels, des échafaudages tubulaires, et des procédés d'implantation de greffes vasculaires comprenant des échafaudages tubulaires chez des sujets. Les échafaudages tubulaires de la présente invention sont constitués de nanofibres d'hydrogel qui présentent des chaînes polymères alignées intérieurement et peuvent être cellularisées.

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