Neovascularization and Wound Healing

**OCR Number:** OCR 6741

**Description:**

- Inadequate blood vessel formation is a major contributor to poor wound healing particularly with diabetic ulcers.
- Yale researchers have discovered that a unique domain from a known protein can promote VEGF signaling by associating with the VEGFR.
- Injecting this 27 amino acid peptide (SP) i.p. in neonatal mice increased retinal vessel growth.
- Topical application of the peptide to the injury site in mice after ear punch markedly enhanced the rate of wound healing.
- A provisional patent application has been filed.

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