

# **Experimental studies of autologous veingrafts for arterial defect, using fibrin glue. [Japanese]**

Authors: Sugiura K.

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## **Abstract:**

Compared with end-to-end anastomosis, the procedure for veingrafting is time-consuming and troublesome. The purpose of this study was to resolve these problems. The common carotid artery of the rats was grafted by the jugular vein. The principle of sleeve anastomosis was applied at the proximal suture site and fibrin glue was used at both suture sites to prevent leakage. This method was performed in 67 rats, and conventional veingrafts were done in 41 rats. A high patency rate of 98% and a shortened operating time were obtained in this method. An advantage of this procedure was a reduction in the number of stitches, which reduced the operating time and ensured good vascular healing.