

# **Fibrin glue and tricalcium phosphate ceramic implants in middle ear surgery. An experimental study. [German]**

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## **Abstract:**

Tricalcium phosphate (TCP) with and without heterologous fibrin glue has been used for obliteration of the mastoid cavity in middle ear surgery. The use of TCP with a homologous fibrin glue has not been described so far. Obliteration of 22 epitympanic and 51 femoral defects in rabbits by means of TCP-granulates without and with homologous fibrin glue was performed in 18 animals. Follow-up was for 2 weeks to 6 months. Histological osteo-integration was studied microscopically. Fibrin glue induces the development of soft tissue impeding osseous integration of the calcium phosphate for at least 6 weeks.