

# **Preliminary Study of Fibrin Glue Combined With Pingyangmycin for the Treatment of Venous Malformations in the Oral and Maxillofacial Region.**

Authors: Yang Y., Sun M., Hou R., Yan Z., Wang L., Cheng X., Lei D., Liu Y.

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## **Abstract:**

**Purpose:** To observe the outcome of using fibrin glue (FG) combined with Pingyangmycin (Tianjin Taihe Pharmaceutical Co Ltd, Tianjin, China) in the treatment of venous malformations (VMs) in the oral and maxillofacial region. **Materials and Methods:** The treatment data of 7 patients with VMs from January 2005 to January 2006 were reviewed. All these patients were injected with FG combined with Pingyangmycin. The vital signs and symptoms were observed and recorded immediately after injections. Radiographic examination was used for the evaluation of pulmonary conditions. The therapeutic effect was evaluated by clinical examination and Doppler ultrasonography. The follow-up time was from 1 to 2 years. **Results:** Of the 7 patients, 4 were male and 3 were female, with ages ranging from 10 to 62 years. Four of the 7 recovered to near-normal appearance, without any abnormal bloodstream detectable within the lesions. Two lesions were slightly asymmetrical in appearance, but no abnormal bloodstream could be detected in the lesions. Two patients had a fever during treatment, and one of them stopped treatment because of continuous high fever. No allergic reactions, pulmonary embolisms, or other complications were found during or after treatment. **Conclusion:** The therapeutic modality of FG combined with Pingyangmycin for VMs in the oral and maxillofacial region was effective, and the extent of morbidity was acceptable. However, the further long-term observation of severe complications such as deep venous thrombosis and pulmonary embolism should be performed in additional biological and clinical studies. © 2008 American Association of Oral and Maxillofacial Surgeons.