

Successful treatment of intraorbital lymphangioma with tissue fibrin glue.

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Abstract:

BACKGROUND: Although surgical resection is the first treatment choice in patients with cystic lymphangioma, the complete resection of orbital lymphangioma is often difficult. After partial resection of the cyst wall, some cystic lymphangiomas recur. The injection of tissue fibrin glue may prevent the recurrence of orbital lymphangioma.

CASE DESCRIPTION: We present a 2-year-old girl with left progressive exophthalmos. Magnetic resonance imaging revealed a cystic mass lesion behind the left eyeball. At the first operation, the cyst wall was partially resected, and all cyst fluid was totally removed by suction. One week after the first operation, the cyst showed regrowth. At a second procedure, we injected tissue fibrin glue into the cyst. The cyst was completely sealed, and there was no recurrence.

CONCLUSION: Tissue fibrin glue is adhesive and hemostatic and highly useful in the treatment of orbital cystic lymphangioma.

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