Mesenchymoma is a tumorous proliferation of two or more mesenchymal components in addition to fibrous stroma. It may be benign or malignant and is distinctly uncommon.

Nasopharyngeal mesenchymoma. In this case the tumor is composed of skeletal muscle, adipose tissue and blood vessels. There are orderly fascicles of mature skeletal muscle (double arrows) which are separated by an infiltrate of adipose tissue with numerous small and branching vascular spaces that have a definite muscular wall (arrows). The endo-thelial cells appear normal.