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## · 临床医学图像 ·

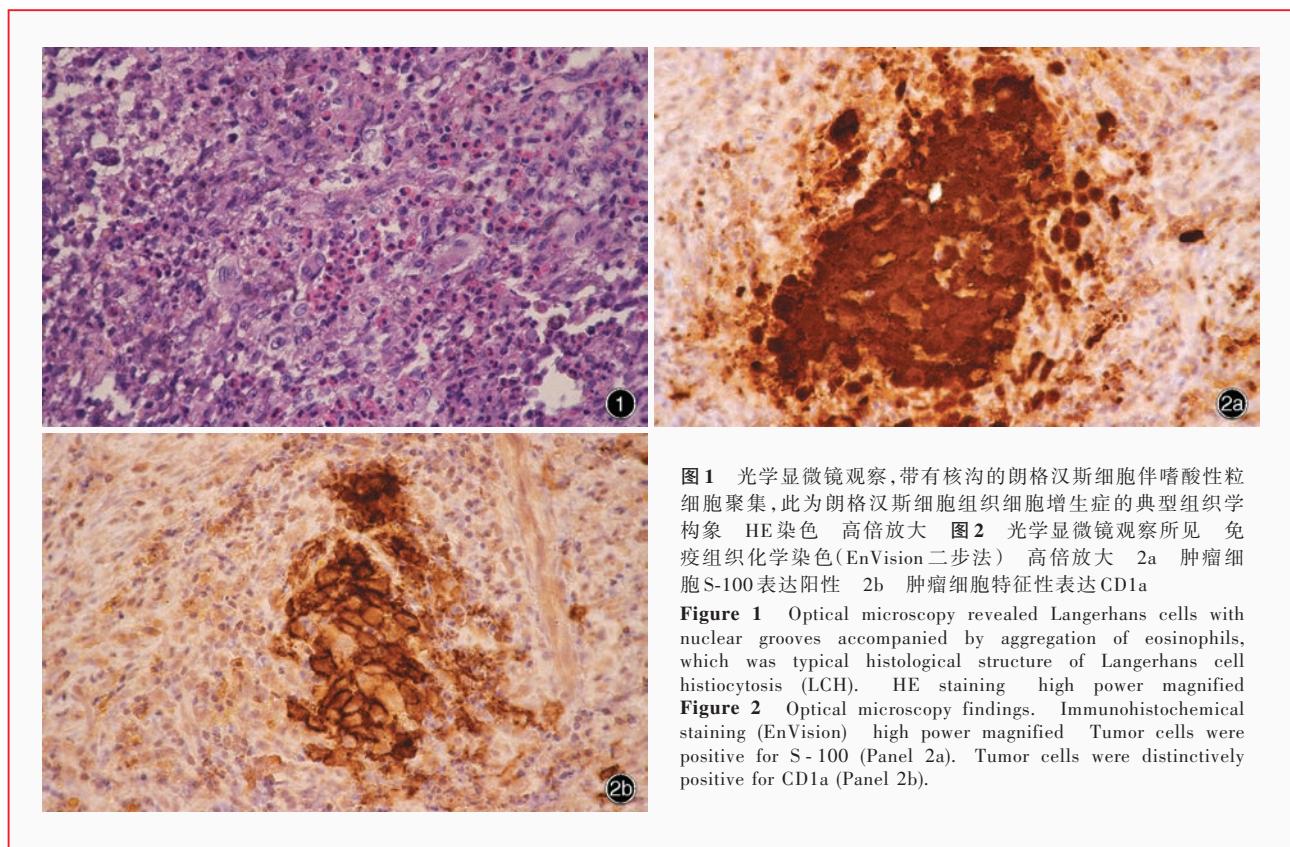
### 朗格汉斯细胞组织细胞增生症

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#### Langerhans cell histiocytosis

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**图1** 光学显微镜观察,带有核沟的朗格汉斯细胞伴嗜酸性粒细胞聚集,此为朗格汉斯细胞组织细胞增生症的典型组织学构象 HE染色 高倍放大 **图2** 光学显微镜观察所见 免疫组织化学染色(EnVision二步法) 高倍放大 2a 肿瘤细胞S-100表达阳性 2b 肿瘤细胞特征性表达CD1a

**Figure 1** Optical microscopy revealed Langerhans cells with nuclear grooves accompanied by aggregation of eosinophils, which was typical histological structure of Langerhans cell histiocytosis (LCH). HE staining high power magnified

**Figure 2** Optical microscopy findings. Immunohistochemical staining (EnVision) high power magnified Tumor cells were positive for S-100 (Panel 2a). Tumor cells were distinctively positive for CD1a (Panel 2b).

朗格汉斯细胞组织细胞增生症(LCH)由朗格汉斯细胞、嗜酸性粒细胞、巨噬细胞、浆细胞和多核细胞组成。朗格汉斯细胞胞核稍偏位,呈卵圆形、肾形或因核沟而凹陷,核仁不明显,呈“咖啡豆”样(图1);胞质丰富,呈淡染或嗜酸性,可见丰富的胶原沉积,增生的组织中偶可伴脱髓鞘改变,但无或呈散在朗格汉斯细胞浸润,并可见嗜酸性粒细胞聚集,发生坏死后可形成肉芽肿或脓肿。朗格汉斯细胞主要表达S-100蛋白(S-100,图2a)、波形蛋白(Vim),以及一些组织细胞标志物如CD1a(图2b)、Langerin(CD207)和CD68,其中CD1a表达阳性具有特异性,可以明确诊断朗格汉斯细胞组织细胞增生症。

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