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· 临床医学图像 ·

零细胞腺瘤

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Null cell adenoma

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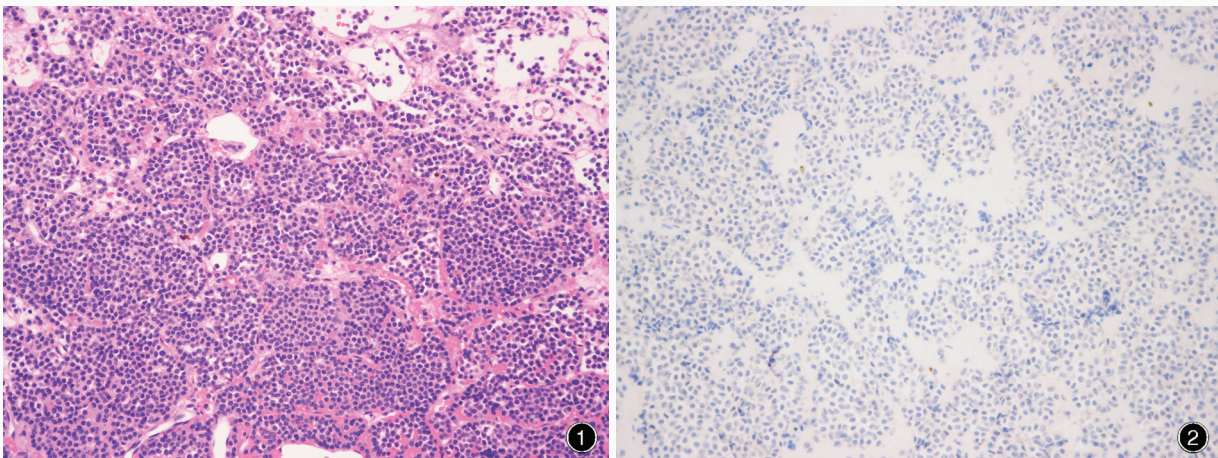


图1 光学显微镜观察显示,肿瘤细胞形态较一致,呈弥漫性排列 HE 染色 ×200 图2 光学显微镜观察显示,肿瘤细胞胞质 Syn 呈阳性 免疫组织化学染色(EnVision 二步法) ×200

Figure 1 Optical microscopy findings showed that the tumor cells were uniform in shape and were arranged in a diffuse pattern. HE staining ×200 Figure 2 Optical microscopy findings revealed that the cytoplasm of tumor cells were positive for Syn. Immunohistochemical staining (EnVision) ×200

2017 年世界卫生组织(WHO)内分泌系统肿瘤分类定义了零细胞腺瘤,源自腺垂体细胞,无免疫组织化学检测证实的细胞特异性激素和相关转化因子分化。该肿瘤好发于老年人,以占位效应为主。组织学形态,肿瘤呈嫌色性,亦可呈轻度嗜酸性;肿瘤组织由圆形或多角形细胞弥漫性片状排列构成(图1),乳头状和假“菊形团”样结构相对少见,细胞异型性不明显,核分裂象罕见。免疫组织化学染色,肿瘤细胞胞质突触素(Syn)和嗜铬素 A(CgA)呈阳性(图2);催乳素(PRL)、生长激素(GH)、促肾上腺皮质激素(ACTH)、促性腺激素、促甲状腺激素、 α 亚单位及相关转化因子(如 TPIT、PIT-1、SF1 等)呈阴性,细胞角蛋白(CK)可呈阴性。特殊染色高碘酸-雪夫(PAS)染色呈阴性。

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