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病相鉴别: (1) 色素沉着绒毛结节性滑膜炎: 与 GCTTS 具有相似的组织学特征, 病变内也见含铁血黄素沉积, T₁WI 及 T₂WI 呈低信号, 但色素沉着绒毛结节性滑膜炎一般不引起颞颌关节间隙增宽; 且 D-GCTTS 位于关节腔外, 关节间隙增宽, 周围骨质受侵。(2) 滑膜软骨瘤病: 多位于关节腔周围, 不伴骨质破坏, T₂WI 可见高信号的关节液背景下多发低信号的钙化游离小体。(3) 软骨母细胞瘤: MRI 表现与 D-GCTTS 近似, T₂WI 呈低信号或混杂信号, CT 及 X 线显示特征性软骨钙化。

总之, 颞颌关节 D-GCTTS 罕见, 若影像学表现为颞颌关节弥漫性生长的不规则肿块, CT 表现为稍高密度伴周围骨质破坏, T₂WI 呈低信号, 鉴别诊断应包括 D-GCTTS。

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