

·基础与临床研究·

上前牙矢状面牙根位置分类及唇侧骨板厚度的 CBCT 研究

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【摘要】目的 应用锥形束 CT (CBCT) 对上颌前牙矢状面牙根在牙槽骨中的解剖位置进行分类, 并测量其唇侧骨板厚度, 为上颌前牙即刻种植修复治疗提供影像学研究数据。**方法** 回顾性筛选出 200 名患者的 CBCT 影像, 其中男性 80 名, 女性 120 名。CBCT 矢状面影像中, 上前牙牙根在牙槽骨中的位置分为 4 类, 并且测量其唇侧牙槽嵴顶下 1.5 mm 处唇侧骨板的厚度。**结果** 中切牙 4 种分类的发生率分别为 I 类 80.5%、II 类 7.5%、III 类 1% 以及 IV 类 11%, 侧切牙的发生率分别为 I 类 72%、II 类 11.5%、III 类 1% 以及 IV 类 15.5%, 尖牙的发生率分别为 I 类 82%、II 类 9.5%、III 类 0% 以及 IV 类 8.5%。中切牙唇侧骨板平均厚度男性为 (1.10 ± 0.26) mm、女性为 (0.98 ± 0.19) mm, 侧切牙唇侧骨板平均厚度男性为 (0.87 ± 0.20) mm、女性为 (0.83 ± 0.20) mm, 尖牙唇侧骨板平均厚度男性为 (1.18 ± 0.35) mm、女性为 (1.04 ± 0.25) mm。除侧切牙外, 中切牙和尖牙唇侧骨板厚度男性均大于女性, 且差异具有统计学意义。**结论** 上前牙矢状面牙根位置的影像学分类研究对该区域患牙即刻种植修复治疗手术有导向性意义, 并且上前牙牙槽嵴顶下 1.5 mm 处唇侧骨板菲薄, 即刻种植修复前应结合以上两点进行详细评估。

【关键词】 CBCT 牙槽骨 上颌前牙 唇侧骨板厚度 牙根位置

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The CBCT study on classification of sagittal roots position and the thickness of the labial bone wall of maxillary anterior teeth

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【Abstract】Objective To supply image research data for immediate implant placement and proviosionalization, the relationship of the sagittal roots position of the maxillary anterior teeth in the alveolar bone was classified and the thickness of the labial bone plate of the maxillary anterior zone was measured by cone beam computed tomography (CBCT). **Methods** The CBCT images of 200 patients were retrospectively selected, including 80 male patients and 120 female patients. In these CBCT image, the sagittal position of the anterior teeth roots in the alveolar bone was classified into four categories, and the thickness of the bone plate at 1.5 mm below the labial margin of the alveolar crest was measured. **Results** The incidences of the four types of incisors were 80.5% for Class I, 7.5% for Class II, 1% for Class III, and 11% for Class IV. The incidence of lateral incisors was 72% for Class I, 11.5% for Class II, 1% for Class III and 15.5% for Class IV, the incidence of canines were 82% for

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