Clinical and Radiographic Characteristics of Hereditary Gingival Fibromatosis

Hereditary gingival fibromatosis, also known as congenital familial fibromatosis or idiopathic fibromatosis, is a rare genetic disorder with prevalence of 1/750000 [1,2]. This disorder may show as an isolated disease entity or as part of a syndrome [3,4]. As a single disease entity, it is typically transmitted as an autosomal dominant trait [5]. The main clinical features of hereditary gingival fibromatosis include severe generalized and progressive gingival overgrowth [6,7]. It can involve attachment gingiva, marginal gingiva and interdental gingival papilla, which always cover the teeth partially or completely. Gingiva are smooth, firm and usually normal in color. This disease usually appears during childhood and occasionally delays eruption of teeth [8,9]. The body and mental development of patients are normal [10]. The most important treatment for hereditary gingival fibromatosis is dental plaque control and elimination of gingival inflammation [11,12]. Gingivectomy is usually performed after adolescence [13].

We show a 12-year-old Chinese girl in this report. She has obvious gingival overgrowth since her birth. Her father (42-year-old) and his ancestors all had similar status. The girl’s intraoral image is shown in Figure 1. Figure 2 shows her panoramic radiograph. Her father’s intraoral image is shown in Figure 3.

Informed Consent
An informed consent was obtained from the girl and her father.

Information
Jing Qiao, Feng Liu and Zu-Yan Zhang*
The First Outpatient Center, School and Hospital of Stomatology, Peking University, China
*Correspondence: Zu-Yan Zhang, The First Outpatient Center, School and Hospital of Stomatology, Peking University, 100034 Xishenku Avenue Jia 37, Xicheng District, Beijing, China, Tel: 86-10-53295009, Fax: 86-10-62174226, E-mail: zhangzy-bj@vip.sina.com

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Figure 2: Panoramic radiograph of the patient.

Figure 3: Intraoral image of her father.

References


