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Study of Interaction between Streptococcus Sanguis and Periodontopathic Bacteria in Mixed Culture

I. Observation with SEM and Electronic Probe

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Abstract

Using SEM technique, authors found that, in mixed culture, Streptococcus sanguis aggregates with periodontopathic bacteria, and forms typical corn-cob-like structure with long-rod bacteria such as Fusobacterium nucleatum and Capnocytophaga sputigena. Analysis of the bacterial membrane elements with electronic probe, authors found that phosphor and calcium concentration in periodontopathic bacterial membrane decreased when cultured with S. sanguis. It suggests that in mixed culture the composition and permeability of periodontopathic bacterial membrane are altered.

下颌骨牙骨质化纤维瘤一例

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牙骨质化纤维瘤是颌骨中心性良性肿瘤,与牙根无关,有学者认为系损伤后的修复反应。我科于 1988 年 3 月收治一例,报道如下。

患者殷某某,女,23 岁,农民。3 个月前发现左下后牙龈处有一小肿块,感疼痛,经抗感染治疗无效。一个月前不慎被人碰撞面部后,肿块增长迅速。全身检查正常。局部检查:左下颌及颊部突出畸形,口内见 7678 缺失,并有约 5 cm×4 cm×3 cm 突出肿块,粘膜颜色苍白,表面有对颌牙印迹。肿块表面部分组织糜烂,突出部分境界清楚,基部在下颌骨体内,该处下颌骨向颊舌侧隆起。肿块质硬,不活动,无触痛。开口度 2.5 cm。左

颌下及颈侧淋巴结不肿大。下颌骨左侧位 X 线片示:左下颌骨骨质破坏,呈磨玻璃样改变,边缘清晰,局部无骨膜增生,范围约 4.4 cm×4 cm×2 cm。初步诊断:左下颌骨良性肿瘤。1988 年 3 月 14 日在气管插管全麻下行肿瘤摘除术。

病理检查:一肿块 5 cm×4 cm×2 cm,切面灰白色,质硬。瘤组织由大量纤维细胞交错排列成束状或漩涡状,其中散见少量呈圆形或不规则明显钙化的牙骨质小体。病理诊断:牙骨质化纤维瘤。

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