

整形外科研究的人员借鉴和参考。

(本文图见中心插页 14)

4 参考文献

1 Malik MA, et al. Osteoblasts on hydroxyapatite, alumina and bone surface in vitro; morphology during the first 2h of attachment. *Biomaterials*, 1992;13(2): 123

2 Vrouwenvelder WCA, et al. Behaviour of fetal rat osteoblasts cultured in vitro on bioactive glass and non reactive glasses. *Biomaterials*, 1992;13(6): 382

3 Brigitte Fournier, et al. Characterization of a new human osteosarcoma cell line OHS-4. *J Cell Biol*, 1991; 114(3): 577

4 王慧明. 人胚成骨样细胞体外模型的建立及其生物学特征. 华西医科大学博士研究生论文, 1991

5 成令忠, 等. 组织学与胚胎学. 第 3 版. 北京: 人民卫生出版社, 1989: 40~52

6 吉林医学院. 临床血液学检验. 空军医学学校印刷厂, 1983

7 英 AGE 皮尔斯著, 马仲魁主译. 组织化学应用与理论. 北京, 中国医药科技出版社, 1990: 106~119 (1992-12-26 收稿, 1993-05-20 修回)

### The Morphology and Ossification Process of Osteoblasts in Vitro

Li Peng

*College of Stomatology, WCUMS*

Wang Huiming

*Dept. of Oral Maxillofacial Surgery of the First Affiliated Hospital,*

*Zhejiang Medical University*

#### Abstract

The characteristic of osteoblast morphology was the large cell body, nuclear deviation and slender protrusions. The process of ossification is probably divided into three programs: the first, formation and secreting matrix; the second, formation and development of osteoid area; the third, formation of mineralized matrix and ossification centre which contains abundant intercellular matrix and osteocytes. The secreted osteoblast may be composed of two types, according to Giemsa staining, which can secrete osteoid addiciting azure and eosin respectively. The study showed that osteoblasts retained the ability of osteogenesis in vitro and the process and form were similar to that of in vivo.

## 高血压病患者急性牙龈出血 8 例报告

中国第十九冶金建设公司职工医院口腔科 蒋道友

高血压病患者出现急性牙龈出血比较少见。现将作者在 1974~1993 年在口腔急诊工作中因高血压病而引起的 8 例急性牙龈出血患者的治疗体会介绍如下。

8 例高血压病患者中, 男 6 例, 女 2 例, 年龄 59~72 岁, 平均 63 岁。患者最高收缩压为 34.7 kPa, 最低为 25.3 kPa, 平均 28 kPa。最高舒张压为 18.7 kPa, 最低为 14.7 kPa, 平均 16 kPa。8 例中除 2 例患有明显牙周炎, 牙周袋超过 3 mm 外, 其余患者牙周基本健康, 龈上

结石少量, 龈下基本无结石。出血牙位多为磨牙区 (5 例)。8 例患者的血常规、血小板计数、出血时间、凝血时间等检验结果均在正常值范围内。

治疗时必须采取局部止血、心理治疗、降压及预防感染等综合治疗措施。局部止血必须对出血牙龈进行环绕一周缝合。其方法是从出血牙位之牙龈近中颊侧进针, 舌侧出针, 再从远中舌侧进针, 颊侧出针, 环绕牙龈一周扎紧打结, 2~4 日拆线。

(1994-08-17 收稿)