

口腔手术显微镜在牙体牙髓病学实验教学中的应用

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【摘要】 **目的** 探讨口腔手术显微镜应用于牙体牙髓病学实验教学的效果。**方法** 2017 年 10 月至 2018 年 1 月, 选取中山大学光华口腔医学院 2014 级五年制口腔医学专业 76 名学生为研究对象, 应用随机数字法将学生分为 A 组和 B 组, 每组 38 名学生。在牙体牙髓病学实验教学中应用口腔手术显微镜进行 G. V. Black I 类洞窝洞预备和髓腔通路预备操作, 教师对学生在口腔手术显微镜下和直视下的操作分别进行评分, 针对口腔手术显微镜下操作的教学效果对学生进行问卷调查。**结果** 口腔手术显微镜下和直视下窝洞预备评分分别为 (90.16±3.01) 分和 (90.72±2.57) 分, 其差异无统计学意义 ($P>0.05$)。口腔手术显微镜下和直视下髓腔通路预备评分分别为 (92.30±2.82) 分和 (88.93±2.31) 分, 其差异具有统计学意义 ($P<0.05$)。问卷调查结果显示, 89.3% (67/75) 的学生认为口腔手术显微镜的应用有助于学习临床操作技巧, 29.3% (22/75) 的学生在口腔手术显微镜的调节和操作方面存在困难。**结论** 口腔手术显微镜的应用有助于提高学生的髓腔通路预备操作, 学生对口腔手术显微镜的熟练使用仍然需要专门培训和授课教师的教学指导。

【关键词】 口腔手术显微镜; 实验教学; 牙体牙髓病学

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Application of dental operating microscopes to the experimental teaching in operative dentistry and endodontics

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【Abstract】 **Objective** To explore the role of dental operating microscopes in the experimental teaching of operative dentistry and endodontics. **Methods** From October 2017 to January 2018, 76 five-year program dental students enrolled in 2014 from Guanghua School of Stomatology, Sun Yat-sen University were selected as the research objects. All students were randomly divided into 2 groups (group A or B) with 38 students for each group. The dental operating microscopes were applied to experimental teaching of G. V. Black Class I preparation and access preparation, and all students were evaluated by teachers with or without dental operating microscopes. Questionnaire was designed to evaluate the experience of students in using dental operating microscopes. **Results** The average score of cavity preparation for students using dental operating microscope were (90.16 ± 3.01), while for students without using dental operating microscopes were (90.72 ± 2.57). The differences were not statistically significant ($P>0.05$). The average score of access preparation for students using the dental operating microscopes were (92.30 ± 2.82), while for students without using dental operating microscopes were (88.93 ± 2.31). The differences of scores were statistically significant ($P<0.05$). According to the questionnaire feedback shows that 89.3% (67/75) of the students believe that the