

Brazilian Oral Research

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Abstract

[CORREIA-SILVA, Jeane de F^醫ima](#) et al. *Helicobacter pylori* in the oral mucosa of patients submitted to allogeneic haematopoietic stem cell transplantation. *Braz. oral res.* [online]. 2006, vol.20, n.3, pp. 191-195. ISSN 1806-8324. doi: 10.1590/S1806-83242006000300002.

This study was designed to investigate the impact of haematopoietic stem cell transplantation (HSCT) on *Helicobacter pylori* colonization of the oral mucosa by nested polymerase chain reaction (nested-PCR). Forty six consecutive patients submitted to HSCT and 46 healthy volunteers were included in the study. Oral swabs were taken from the oral mucosa of the patients and control group. The medical records of the patients were reviewed and the following information was retrieved: gender and age of the patient, donor gender, primary disease, stem cell source (bone marrow or blood stem cells), leukocyte, neutrophil and platelet counts, and chronic graft *versus* host disease (cGVHD) of salivary glands. The results demonstrated an increased frequency of *H. pylori* in the oral mucosa of HSCT patients compared to controls ($p = 0.002$). The presence of *H. pylori* in the oral mucosa was not related to the severity of cGVHD. The median counts of platelet/mm³, leukocytes/mm³ and neutrophils/mm³ in the group of HSCT patients positive for *H. pylori* were not statistically different from those of the patients negative for it. In conclusion, the present study shows increased frequency of *H. pylori* in the oral mucosa of HSCT patients compared to non-transplanted healthy volunteers.




Keywords : *Helicobacter pylori*; Bone marrow transplantation; Mouth mucosa.

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