

Studio *in vitro* sulla corrosione di amalgami

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KEY WORDS

Amalgam; corrosion

SUMMARY

«In vitro study of amalgam corrosion». *Aims:* In the dental field, the aim of the research was to evaluate, through a standardized system, the factors influencing the corrosion of dental alloys in different clinical conditions with various types of amalgams and/or solution parameters. **Methods:** A 6-hole corrosion cell was used according to ASTM G5-95 protocol. **Results and conclusions:** It is well known that free surface corrosion is uncommon in the oral cavity in the case of most dental alloys. But localized corrosion, either as pitting or as crevice corrosion, might occur. The clinical conditions affecting amalgam corrosion may be detectable in localized corrosion, in particular because of cathodic/anodic surface behaviour coupling.