



INSTITUTO  
UNIVERSITÁRIO  
EGAS MONIZ



U. PORTO

INSTITUTO DE CIÊNCIAS  
BIOMÉDICAS ABEL SALAZAR  
UNIVERSIDADE DO PORTO

## PhD in Biomedical Sciences

### Research Area: Periodontology

**Title:** Impact of periodontal treatment on halitosis and quality of life


Periodontitis is an inflammatory disease characterized by decreased homeostasis due to polymicrobial aggression, which leads to the destruction of periodontal support tissues. It is one of the most prevalent chronic diseases in the world, affecting more than 65% of the population. In more advanced stages may imply limitations such as, chewing difficulty, halitosis, tooth mobility, loss of interproximal papillae, pain and even lead to tooth loss.

Halitosis, the term used to define the unpleasant odor that emanates from the oral cavity, is one of the main symptoms, often leading patients to seek treatment. The consequences of periodontitis such as halitosis, gingival hemorrhage, tooth mobility, tooth migration, and tooth loss, compromises patient daily quality of life. However, few studies have evaluated the impact of periodontal disease and its treatment on the quality of life. This is an area not yet studied in a Portuguese population, and it deserves further study. Thus, the main objective of this longitudinal study is to investigate the impact of periodontitis and halitosis and the effect of periodontal treatment on patients' quality of life.

**Keywords:** Periodontitis, periodontal treatment, halitosis, Oral Health-related Quality of Life.

#### Publications

- [https://doi:10.4103/jisp.jisp\\_674\\_18](https://doi:10.4103/jisp.jisp_674_18)
- <https://doi.org/10.3390/msf2021005009>
- <https://doi.org/10.3390/jcm10194415>
- <https://doi.org/10.3390/ijerph191811303>



**Supervisors:** Professor Doutor José João Mendes (Supervisor), Professor Doutor Ricardo Castro Alves (Co-Supervisor)

**StartYear:**2018

