

Poster journal

Point of care testing in periodontal diagnosis- A new frontier

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Commentary:

Periodontal disease, a prevailing oral disease, is caused by oral microbe induced inflammation. The sustained inflammatory response to the microbial antigenic stimuli leads to progressive destruction of periodontal tissues. Conventional diagnostic methods including radiographs, allow the detection of periodontitis only when there is sufficient loss of the periodontium. At this stage, any treatment strategy would struggle to halt the disease progression. Thus, novel diagnostic tools capable of detecting subtle periodontal changes are required to infer early diagnosis and treatment^{1,2,3}.

The past decade has developed several diagnostic tools to aid in monitoring the periodontal status using saliva and the gingival crevicular fluid (GCF). The point of care (POC) diagnostics, is one such endeavor that allows rapid chair-side tests to diagnose periodontal disease using salivary and GCF samples. The present poster is an attempt to highlight the advantages of some of the point of care diagnostic kits and their possible limitations.

References

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