

Dr. Babak Nurbakhsh,
Institution; Univ.of Toronto, Canada.

Title; Post-treatment resolution of maxillary sinus mucositis associated with apical periodontitis of maxillary teeth. A cone-beam CT investigation.

Abstract;

Apical periodontitis (AP) is viewed primarily as a localized entity, although the infection process can affect adjacent structures such as the maxillary sinus. In this study, the maxillary sinus in 80 subjects with AP involving the maxillary canines, premolars or molars will be imaged with cone-beam computed tomography (CBCT). Prevalence and radiographic features of sinus mucositis will be characterized and related to the distance between the sinus and teeth. Furthermore, CBCT will be used to examine resolution of sinus mucositis 3 months after endodontic treatment, and to assess whether discernible resolution of mucositis precedes signs of periapical osseous healing at the treated teeth. This study will provide the profession with valuable evidence on the relationship of maxillary sinus with AP involving maxillary teeth, and on the possibility of monitoring the resolution of mucositis as an early indicator of healing of AP after endodontic treatment in maxillary teeth.