AIM AND OBJECTIVES

AIM

To evaluate and compare bio monitoring of DNA damage and cytotoxicity to oral mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible.

OBJECTIVES

1. To evaluate and compare pre and post exposure micronucleated cell (MNC) count in gingival mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible.

2. To evaluate and compare pre and post exposure micronucleated cell (MNC) count in buccal mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible.

3. To compare pre and post exposure micronucleated cell (MNC) count in gingival mucosa cells with buccal mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible.

4. To evaluate and compare pre and post exposure other cytotoxic abnormalities (pyknosis, karyolysis and karyorrhexis) in gingival mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible.
5. To evaluate and compare pre and post exposure other cytotoxic abnormalities (pyknosis, karyolysis and karyorrhexis) in buccal mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible

6. To compare pre and post exposure other cytotoxic abnormalities (pyknosis, karyolysis and karyorrhexis) in gingival mucosa cells with buccal mucosa cells in individuals exposed to full mouth IOPA radiographs, panoramic dental radiography, CT scan and CBCT scan for maxilla and mandible