

Clinical Image

Osteoradionecrosis: Radiation Complication

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A 56 year old male patient reported with a chief complaint of pus discharge on lower right and left back teeth region in the oral cavity. Past medical history revealed that the patient underwent radiotherapy before six year for malignancy of tongue. Past dental history and personal history were non contributory. Intra oral examination revealed missing of 35, 36, 37, 44, 45. Ulceration with bony exposure it to the missing teeth with pus discharge and mild bleeding. On palpation the respective areas were tender and ulcer was indurated. A provisional diagnosis of Osteoradionecrosis was given. CBCT report revealed a large well defined radiolucency seen along left body of mandible with varying radiodensities extending from 38 to 33 measuring 47x27 mm and another well defined radiolucency seen over 44 to 45 measuring 13x17 mm. Inferior alveolar canal was disrupted in the third quadrant. Thinning of buccal and lingual cortical plate at multiple areas of third quadrant and over 44, 45 region. Thinning of lower border of mandible noted on third quadrant. Final diagnosis of Osteoradionecrosis was confirmed and patient was referred to department of oral surgery for further treatments.

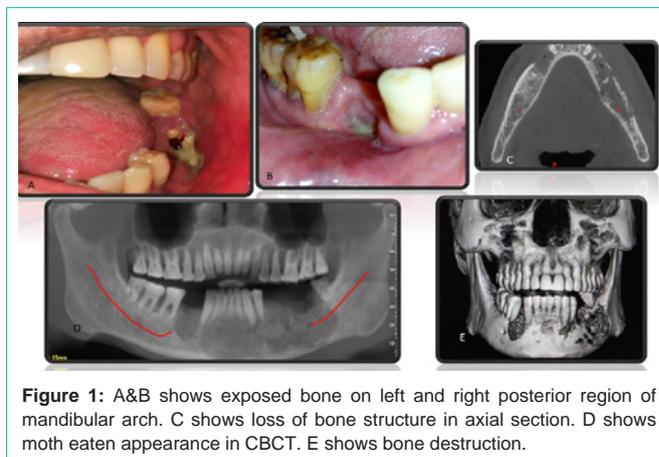


Figure 1: A&B shows exposed bone on left and right posterior region of mandibular arch. C shows loss of bone structure in axial section. D shows moth eaten appearance in CBCT. E shows bone destruction.