Cervical Osteoradionecrosis Mimicking Recurrence or Metastasis of Nasopharyngeal Carcinoma as a Late Complication of Radiotherapy: a Case Report

Kurniasari, Ratna (1); Wong Howe Tung (2)

1- ENT Department, Siloam Hospital Yogyakarta, Yogyakarta, Indonesia;
2- ENT Department, Timberland Medical Centre, Sarawak, Malaysia

Introduction
- Nasopharyngeal carcinoma is a neoplasm commonly found in South East Asia and radiotherapy remains the mainstay of treatment.¹
- A rare complication of this treatment is the development of osteoradionecrosis (ORN).²

Case Report
- A 57-years-old female, survival of nasopharyngeal carcinoma, was disease free and remained well for 20 years after radiotherapy.
- She started to develop progressive neck pain and weakness till she needed to be fed via NG-tube and use wheelchair for a month prior to diagnosis.

Discussion
- Osteoradionecrosis is one of radiotherapy complication.²
- Its clinical presentation and radiologic finding can mimic tumor recurrent and metastasis, so painstaking examination especially histopathology must be carried out to confirm the diagnosis.¹,³
- Patient can be treated conservatively and must be regularly followed up to prevent devastating outcome.²,⁴

Conclusion
- Osteoradionecrosis clinical presentation and radiologic finding can mimic tumor recurrent and metastasis.
- Histopathological examination is needed to confirm the diagnosis.

References