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Educational Abstract

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Kimura's Disease, A Neoplasm Mimicking, Benign Rare Form of Chronic Inflammatory Disorder

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Learning Objectives

To describe characteristics of Kimura's Disease (KD) and give an insight into the role of Computed Tomography (CT) scan in identifying KD and its imaging characteristics.

Background

KD is a benign, rare form of chronic inflammatory disorder of unknown origin which is found almost exclusively in Asian males in their 2nd to 4th decades of life. This rare condition mostly present as soft tissue mass consists of multiple painless solitary subcutaneous nodules mostly localized in head and neck region, with coexisting lymphadenopathy and eosinophilia. CT findings showed multiple ill-defined enhancing soft tissue masses within and around the parotid gland with associated regional lymphadenopathy.

Findings & Procedure details

We reported a case of an Asian man with history of 18 years left sided painless facial mass, gradually increase in size with no history of hoarseness, epistaxis, previous facial mass or malignancy, and familial malignancy. CT scan findings showed an inhomogeneous contrast enhancement soft tissue mass, located on the left parotid-submandibular region with multiple neck lymphadenopathy and left parotid gland involvement. Eosinophilia was found persistently in the laboratory outcomes and this mass had been confirmed with histological findings consistent with KD features.

Conclusion

Recognizing the characteristics of KD and its imaging findings on CT scan as an accessible and first-line diagnostic tools, will help in facilitating the diagnosis and spare the patient from potentially harmful and unnecessary procedures.