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ABSTRACT**BACKGROUND**

The introduction of modern diagnostic tools has transformed the field of maxillofacial radiology. Odontogenic infection and fascial space involvement have been evaluated with many diagnostic tools, including ultrasonography (USG) and magnetic resonance imaging (MRI).

AIM

To explore USG as an alternative model to MRI in the detection of fascial space spread of

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The right masseter muscle was normal since, ultrasound helps in detection of superficial fascial space infections. Magnetic resonance imaging (MRI), which is the gold standard for fascial space infections was done by HDe Signa 1.5-T unit with a dedicated coil and revealed 12 mm × 7 mm × 8 mm cystic lesion with hypointense nidus noted with in the belly of the right temporalis muscle with ...

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Ultrasonography could be considered to be an effective method in detecting and staging spread of odontogenic infections to the superficial fascial spaces. However, it might be difficult to detect...

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USG, staging for odontogenic fascial space infections revealed 2 edematous changes, 15 cellulitis, and 13 abscesses. Conclusion: Ultrasonography could be reflected to be an inexpensive, non-invasive technique in detecting the spread of odontogenic infections to the superficial fascial spaces.

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Jun 01, 2009 · **Ultrasonography** (USG) is an inexpensive, noninvasive, sensitive, and readily available tool that has been used to depict **lymph nodes**, salivary glands, vascular structures, and inflammatory masses in the head and neck region.^{7, 8, 9, 10, 11, 12, 13} However, whether USG has the same capabilities as MRI in **detecting fascial space infections**, especially deep **fascial space infections**, is unknown.

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Deleg et al demonstrated the usefulness of **ultrasonography** as a diagnostic tool for superficial fascial