Risk Factors in Spreading

Odontogenic Infection

{Original Article (Maxillofacial Surgery)}


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ABSTRACT
Risk Factors in Spreading Odontogenic Infection

Introduction: Spreading odontogenic infection is the extension of infection from its original site and can create potential life threatening situations. There are several risk factor reported for spreading odontogenic infection in literature including systemic health, virulence of organism and anatomical site. Apart from these factors odontogenic infection also observed in normal individuals.

Objective: The objective of this study is to identify Risk factors in spreading odontogenic infection.

Study Design: Descriptive Case Series Study

Place and Duration of Study: This study was conducted in Department of Oral and Maxillofacial Surgery, Institute of Dentistry, LUMHS from January 2011 to February 2012.

Patients and Methods: A descriptive case series study on 60 patients of spreading odontogenic infection was conducted.

Results: Male female ratio was 2.3:1, 2nd and 3rd decade was common presentation. The most frequent clinical findings were pain, swelling, trimus. The Buccal space was the most frequent location for a single space infection (53.3%), followed by Submandibular space (35%), Canine space (5%). Three patients presented with multi space involvement (6.6%). The most common involved tooth was mandibular third molar 26 (43.3%). The most common cause of the infection was periapical infection followed by pericronitis. 83.3% patient were healthy patients with no co morbid, only 16.7% patients were with co morbid like DM, hypertension and pregnancy. There was also no difference for mean WBC count.

Conclusion: This study shows that lower molars were the most common involved teeth and buccal space was frequent space to be involved. The site of infection is important risk factors. We observed Odontogenic infection in common in healthy individual than non-healthy individuals.

Key Words: Odontogenic Infection, Spreading Odontogenic Infection, Risk Factors, Life Threatening Infection.
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