

# **A Fossa Canina Abscess Originated From First Maxillary Primary Molar: A Case Report Management**

## **Abses Fosa Canina Yang Berasal Dari Gigi Molar Satu Desidui: Laporan Kasus Dalam Perawtannya**

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### **Abstract**

A possible complication of fossa canina infections is reactive thrombosis of the vena angularis, which can lead to cavernous sinus phlebothrombosis. According to the literature there are different opinions about the treatment protocol of fossa canina abscesses. This study reports the unusual case of odontogenic infection in children. A four years old girl patient arrived at a dental clinic with her mother and sister. The patient presented with massive swelling and redness in the region of left eye. According to the subjective data obtained from her mother and sister, the swelling occurs in the morning, six hours before being taken to the dentist. We suspect that the left maxillary first primary molar caused the case. Management of this case is open bur and there was bleeding from the pulp without pain. After 4 min, swelling in the lower eyelid decreased. The condition is getting better after 39 min before the patient took the drug. The patient still get medicine for healing efforts.

**Keyword:** Fossa canine abscess, open bur

### **Abstrak**

Pada umumnya infeksi rongga mulut penyebab utamanya ialah infeksi odontogen yang bersumber dari pulpa gigi, jaringan periodontal atau jaringan peri koronal. Penelitian ini melaporkan kasus infeksi odontogen yang tidak umum pada anak-anak. Pasien anak berumur 5 tahun berkelamin wanita datang ke klinik gigi bersama ibunya. Pasien ini menderita bengkak dan warna merah pada daerah infra orbital dan menyebar sampai kelopak mata bawah. Pada anamneses, pembengkakan terjadi di pagi hari, enam jam sebelum dibawa ke dokter gigi. Saat pemeriksaan klinis intraoral kami menemukan karies pada proksimal (distal) dari gigi susu molar pertama kiri. Penanganan kasus ini adalah dengan open bur (trepanasi) dan terjadi pendarahan dari ruang pulpa tanpa rasa sakit. Setelah 4 menit, bengkak pada kelopak mata bawah berkurang, dan setelah 39 menit keadaannya menjadi baik saat pasien menunggu di apotik untuk mengambil obat. Pasien tetap mendapatkan obat untuk upaya penyembuhan.

**Kata kunci:** Abses fosa kanina, fase serous, penanganan

### **Introduction**


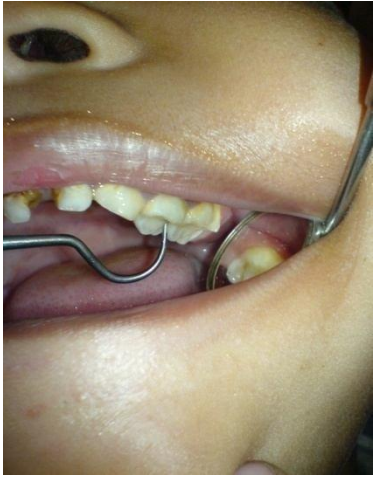

Canine fossa abscess is one of the superior and the levator anguli oris muscles. odontogenic infections which is located in The common etiology from infected root the small space between the elevator labii canals of pre molars and especially those canines of the maxilla are considered to be responsible for the development of abscesses

of the canine fossa. This study reports the unusual case of canine fossa abscess in the children.

### Case Report

A 4 years old girl patient referring to our clinic with complaints of swelling and pain in her left maxillary with her mother and her

sister. The patient presented localized swelling and redness in infra orbitalis region spreading toward the lower eyelid. According to the subjective data obtained from her mother and sister, the swelling occurs in the morning, six hours before being taken the dentist. We suspect the caries on the proximal (distal) of the left maxillary first primary molar by intra oral examinatio.

		
<p>Figure 1 : Extra oral examination (at 12.11 pm)</p>	<p>Figure 2 : Intra oral examination (at 12.12 pm)</p>	<p>Figure 3: Intra oral examination (at 12.13 pm)</p>

### Management Patient

Having performed the assessment, the following interventions were carried out. Management of this case is open bur and there was bleeding from the pulp without

pain. After 4 min, swelling in the lower eyelid decreased. The condition is getting better after 39 min before the patient took the drug. The patient still get medicine for healing efforts.



Figure 4: Management of this case is open bur and there was bleeding from the pulp with out pain (at 12.15 pm)



Figure 5 : Management of this case is open bur and there was bleeding from the pulp with out pain (at 12.18 pm)



Figure 6 : After 4 minutes (at 12.19 pm), swelling in the lower eyelid was reduced.



Figure 7 : The condition is getting better after 39 minutes (at 12.50 pm) before the patient took the drug.

the patient is getting better (aproximately 35 minutes) after opening bur the teeth. The patient still get medicine for healing effort.

## Discussion

Odonfectogenic infection can occur locally or spread rapidly. The presence of necrotic teeth will cause the bacteria to penetrate from the pulp chamber to the apicalis. Apicalis foramen of the pulp can not drain the infected pulp. In addition, the infection spreads rapidly into the space or other tissues close to the necrotic tooth structure. This study reports unusul case of odontogenic infection. We find the case of Canine fossa abscess in serous phase. Generally, this phase lasts aproximately 36

hours, and is characterized by local inflammatory edema, hyperemia or redness with elevated temperature, and pain. In this case, the canine fossa abscess develops rapidly than usual aproximately 7-8 hours and

## Conclution

The study report concludes that the canine fossa abscess develops faster than usual (aproximately 7-8 hours) and patient is getting better (aproximately 35 minutes) after opening bor the teeth.

## References

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