Case report

Impaction of Permanent Canine due to Retaining of Deciduous Teeth
Nessa J1, Akter M2, Hasan M K3

Abstract:
In our daily practices some of the dental problems are ignored but bears a significant role. People meet dentist until it becomes very serious and creating problem in our daily works. The case we are going to discuss that ignored at patients childhood but now its a burning issue for her. This case dealt at dental out patient department of Banghabandhu Sheikh Mujib Medical University, Dhaka. 24 years old female – Miss Ema Ghosh presented with discharging sinus through the space between upper right lateral incisor and 1st premolar due to infection of remaining root portion of deciduous canine for one month. Resulting from this retaining root portion of deciduous tooth the permanent canine became impacted.

Key word: Impacted canine, BDR, OPG.

Impacted canine: Impacted teeth are those with a delayed eruption time or that are not expected to erupt completely based on clinical and radiographic assessment. Permanent maxillary canines are the second most frequently impacted teeth; the prevalence of their impaction is 1-2% in the general population. This is most likely due to an extended development period and the long, tortuous path of eruption before the canine emerges into full occlusion.

BDR: Broken down root. The portion of root of a teeth due to trauma or caries.

OPG: Orthopantomograph, A radiographic system that uses three axes of rotation to obtain a panoramic radiograph of the dental arches and their associated structures.

Introduction:
Miss Ema Ghosh, 24 years old female hailing from chatak, Sylhet came at the faculty of Dentistry, BSMMU. She has complaints of discharging of pus from the space between upper right lateral incisor and 1st premolar for 1 month. After clinical examination it was found that her upper right canine is missing from the normal series of teeth, and pus was discharging through a very tiny opening from the space between upper right lateral incisor and 1st premolar. At first the patient went to one of the local dental surgeon in chatak, Sylhet. The Doctor prescribed her an antibiotic of Amoxycillin group to control the infection. However that amoxicillin did not work in this case and so patient became very nervous about her uncontrolled infection. She, therefore, came to Dhaka for a better treatment. In Dhaka she consulted with another dental surgeon who took one intra oral peri apical radiograph of that particular region. Unfortunately due to overlapping that radiograph did not show any specific clue about discharging sinus although that radiographs shows an impacted upper right permanent canine which is placed horizontally across the roots of 1st and 2nd premolar as well as some periodontal lesion in both premolars of the affected area especially in the 1st premolar (Figure-1). After that, 2nd dentist prescribed her an antibiotic of flucloxacillin group to control her infection assuming that discharging of pus due to local infection. But after taking full course of antibiotic, discharging of pus only reduced in amount but not completely stopped. Afterwards 2nd dental surgeon advised her to remove impacted canine and for this reason she was referred to the Faculty of Dentistry of BSMMU.

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Authors took up the case to take care after reviewing all of her treatment documents. The patient was examined clinically again in the faculty of dentistry of BSMMU. On palpation the authors found pus was coming out through a very tiny whole though it was not so painful. The author

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Figure-4: Surgically removed portion of deciduous teeth

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