

## DENTAL MEDICINE SECTION

### ORAL PRESENTATION

#### 308. ETIOLOGY OF COMPLICATIONS OF THIRD MOLAR ERUPTION

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**Introduction:** In the post natal period, many of the complications of the eruption of third molar can be explained in emryogenesis. In the sixth week of the intra uterine life, the primary lamina dura appears, later from which the primary teeth are formed. The proliferation and differentiation in the sixteenth week leads to the secondary lamina dura which later forms the permanent dentition. This process of odontogenesis explains the complications of eruptions of the third molar, which has a very large variety and frequency of pathological forms in their formation and eruption leading to degenerative processes, nervous complications and pathological tumours.

**Scope and objectives:** Study of literature and determination of the mechanism of complications of eruption.

-Retrospective analysis of a lot of 100 patients diagnosed with complications of the eruption of the third molar.

-Determination of the most frequent complications in the diagnosed lot of patients.

-Analysis and identification of etiological factors causing complications of eruption of the third molar.

**Materials and methods:**

-Retrospective study on the basis of medical records in the deptt. Of OMF in the Municipal Clinical Hospital of Emergency services.

-Study of primary examination and complaint of the patient.

-Diagnostic methods used include IOPA xray,OPG and CT.

**Results:** The study analysed on the basis of the medical records and complaints of the patients concluded the following: Septic complications 65%, Mechanical complications 30%, Tumoral complications 3.5%, Nervous complications 1%, Vascular complications 0.5%.

**Conclusion:** Complications of eruption of the third molar have a correlation with the actual development and phylogenetics and with a constant increase in the cerebular activity of the modern man, in favour of the maxillary development leading to an insufficient space for the eruption of the third molar.

**Key words:** third molar,wisdom tooth, jaws, odontogenesis.