

DEVELOPMENT OF OCCLUSION

Pre-Dentate Period

- Gum Pads with dental groove
- Birth to 6 months
- Transverse grooves – 10 Segments
- Lateral Sulcus – groove between canine & 1st molar
- Infantile open bite - Suckling

Deciduous Dentition Period

- 6 months to 6 years
- Primary / Physiological and Primate spaces
- Flush Terminal Plane
- Deep Bite –

- Eruption of deciduous molars
- Attrition
- Mandibular growth

Mixed Dentate Period

- 6 to 12 years
- First Transitional Period

- **Emergence of 1st Permanent Molars**

Mesial Step – Class III or Class I

Flush Terminal Plane – Class I or Class II

Distal Step – Class II

- **Exchange of Incisors**

(Incisal Liability) – use of Primary spaces

Increase of Intercanine width

Change of Incisor Inclination

- Inter Transitional Period
Set of Primary and Permanent Teeth
Relatively Stable stage

- Second Transitional Period

Replacement of Deciduous Molars and Canines with permanent Premolars and Canine

Leeway Space of Nance

Late Mesial Shift

Ugly Duckling Stage (8-9 yrs)



Permanent Dentition
Period

E
R
U
P
T
I
O
N

S
E
Q
U
E
N
C
E

Maxillary Teeth

Central Incisor	7-8 yrs
Lateral Incisor	8-9 yrs
Canine (Cuspid)	11-12 yrs
First Premolar	10-11 yrs
Second Premolar	10-12 yrs
First Molar	6-7 yrs
Second Molar	12-13 yrs
Third Molar	17-21 yrs

Mandibular Teeth

Third Molar	17-21 yrs
Second Molar	11-13 yrs
First Molar	6-7 yrs
Second Premolar	11-12 yrs
First Premolar	10-12 yrs
Canine (Cuspid)	9-10 yrs
Lateral Incisor	7-8 yrs
Central Incisor	6-7 yrs