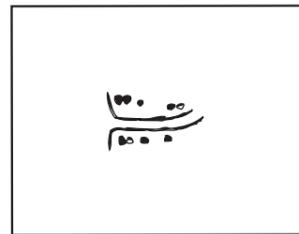


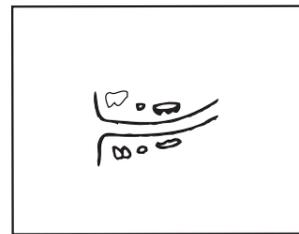
Development of Human Dentition

... with dental and orthodontic considerations

Prenatal



4 months
in utero



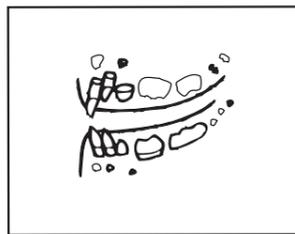
6 months
in utero

1. Anomalies in primary tooth
 - A. Number
 - B. Size
 - C. Proportion
 - D. Shape
2. Amelogenesis Imperfecta of primary dentition
3. Enamel Hypoplasia
4. Cleft palate/lip development
5. Tetracycline Staining of primary teeth

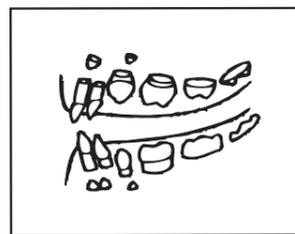
Infancy



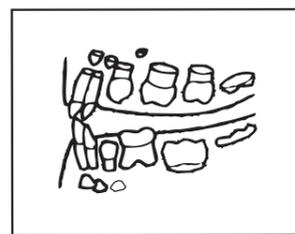
Birth



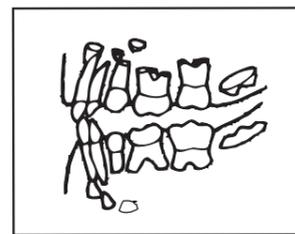
4-8
months



8-12
months



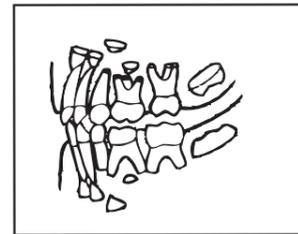
9-15
months



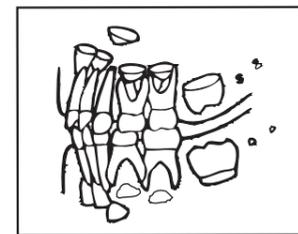
15-21
months

1. Enamel Hypoplasia of permanent dentition
2. Agensis of selected permanent teeth
3. Tetracycline staining to permanent teeth
4. Anomalies on permanent tooth
 - A. Number
 - B. Size
 - C. Proportion
 - D. Shape

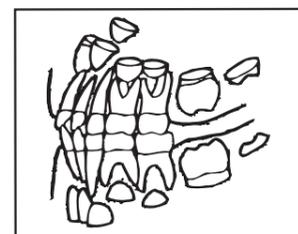
Early Childhood



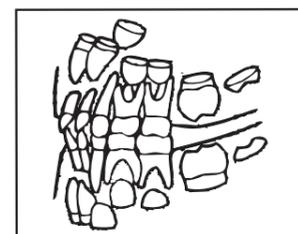
18-30
months



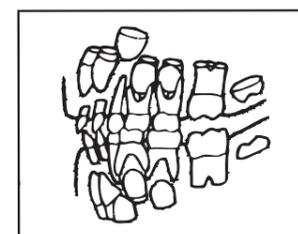
2-3
years



3-4
years



4-5
years

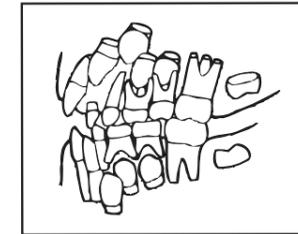


5-6
years

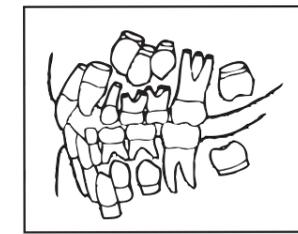
1. Trauma to the primary dentition may cause complications to the permanent teeth
 - A. Enamel defects
 - B. Ankylosis
2. Untreated decay of primary dentition may cause complications to the permanent dentition
 - A. Enamel hypoplasia
 - B. Space loss
3. Tetracycline staining to permanent teeth
4. Impaction of first permanent molars

Childhood

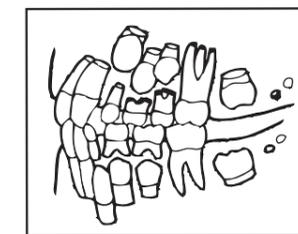
(First twelve permanent teeth erupt)



6-7
years



7-8
years

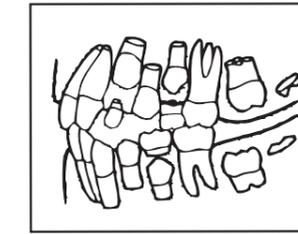


8-9
years

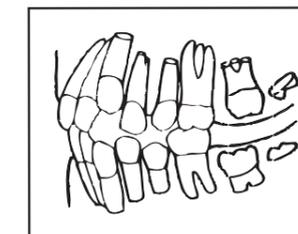
1. Untreated decay of primary dentition may cause complications to the permanent dentition
 - A. Enamel hypoplasia
 - B. Space loss
2. **TIME FOR INTERCEPTIVE AND PHASE 1 ORTHODONTICS**

Late Childhood

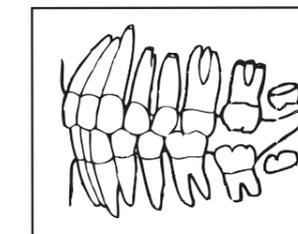
(Next twelve permanent teeth erupt)



9-10
years



10-11
years

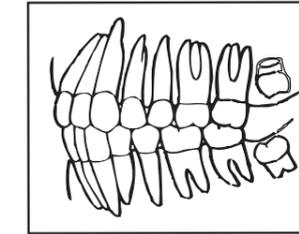


11-12
years

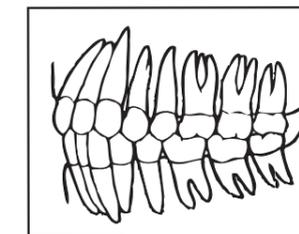
1. After age 8yrs, tetracycline antibiotics is not contraindicated
2. Trauma to the permanent dentition may cause complications such as:
 - A. Ankylosis
 - B. Necrosis
 - C. Altered occlusion
 - D. Reinforce sports mouthguard
3. **IN BETWEEN PHASE 1 AND PHASE 2 ORTHODONTICS**
4. **TIME FOR COMPREHENSIVE ORTHODONTICS**

Adolescence & Adulthood

(Four twelve year molars erupt)

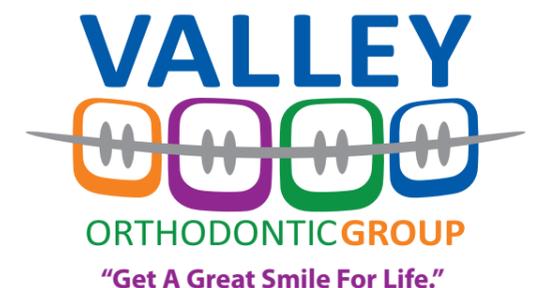


12-15
years



21
years

1. Trauma to the permanent dentition may cause complications such as:
 - A. Ankylosis
 - B. Necrosis
 - C. Altered occlusion
 - D. Reinforce sports mouthguard
2. Piercings
 - A. Source of infections
 - B. Tooth fractures
3. **TIME FOR COMPREHENSIVE, PHASE 2, AND LIMITED ORTHODONTICS**
4. **INVISALIGN**
5. Third Molars (Wisdom Teeth) typically evaluated



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