Space Management in the Primary Dentition

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Space Maintainers

- " A space maintainer is an intra-oral appliance used to preserve arch length following the premature loss of primary teeth/tooth."
- This allows the permanent teeth to erupt unhindered into proper alignment and occlusion.
- A space maintainer is recommended after the untimely loss of a primary tooth.



Types of Space maintainers:

- 1. Unilateral vs Bilateral
- 2. Anterior vs posterior
- 3. Fixed vs Removable



3. Erupting premolars usually require 4-5 months to move through 1mm of bone as measured on a BWXR.











- Restores a grossly decayed abutment tooth.
- Removal of appliance for adjustments is difficult.



Distal Shoe space maintainer Indication: • Loss of a primary second molar before the eruntion of the first



- Loss of a primary second molar before the eruption of the first permanent molar.
 Contraindications:
- Poor oral hygeine
- Medically compromised pt.



Nance Appliance



- Indicated for loss of multiple primary teeth (bilaterally)in the maxillary arch.
- Acryllic button provides increased stability. Appliance prevents tipping and rotation movt of molars.
- Acryllic button may cause difficulty in maintaining hygiene in the rugae area.



Lower Lingual Arch



- Modification of LLA with omega loops.
- Activation of loops help flare anteriors with some distalising of permanent molars.



Removable Space Maintainers

Indications:



 Loss of multiple teeth bilaterally (anterior and/or posterior)

- In the absence of abutment teeth.
- The acryllic resin or modified Hawley space maintainers restore esthetic, function and prevent supereruption of opposing teeth.



Fabrication of a Space Maintainer



- Seat band 1mm below marginal ridges with the aid of a band seater.
- Adapt bands to the contours of the tooth.
- Separators may be needed for tight contacts.









