



Horizontal Root Fracture

- 1) 9 year old male reported following trauma with root fracture and Class III mobility.
- 2) Repositioned coronal segment and had rigid lingual splint placed for 12 weeks.
- 3) Patient was asymptomatic with Class I mobility at 10 month Recall.

- The objective is to encourage healing with hard tissue:
 - callus formation is believed to involve dentin and cementum to bridge the fractured gap.
- RCT indicated only if evidence of necrosis is apparent.
 - If necrosis occurs, only the coronal segment should be treated.
 - Pulp canal obliteration is common sequela but not an indication for RCT.
- Callus can be visible as early as 3 months post-trauma.
- Controversy exists over type and duration of splint.
- If needed, these teeth can be safely moved orthodontically in 1-2 years.