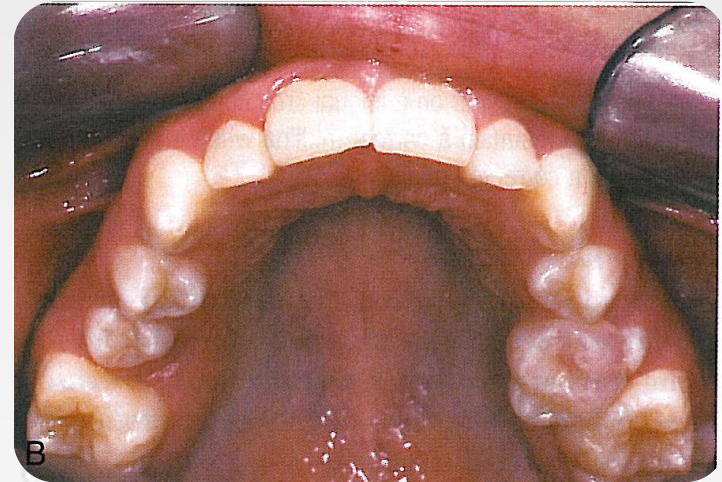
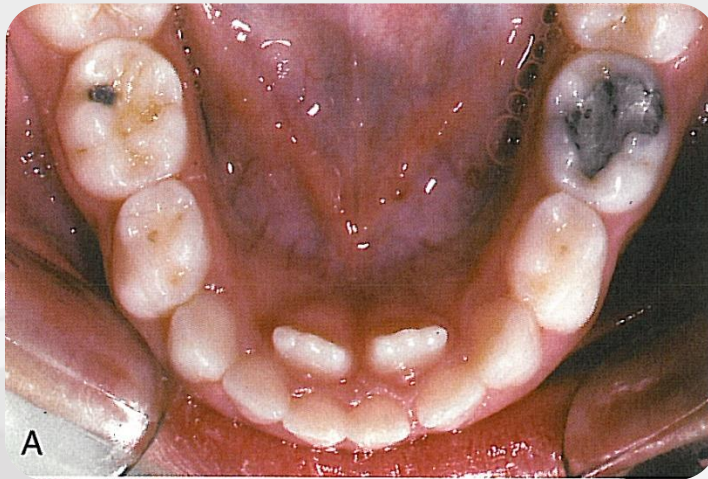


Ectopic eruption & Supernumerary teeth

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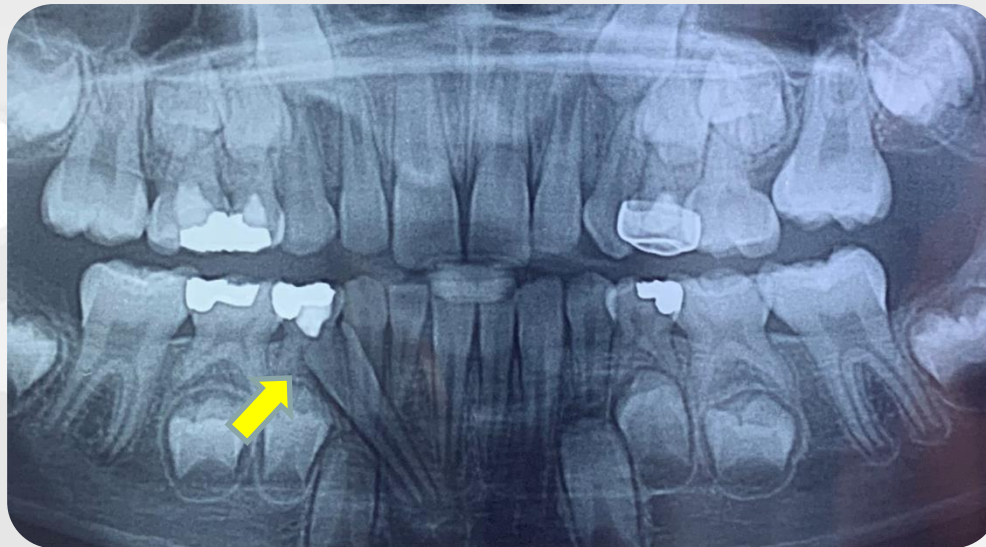
Overretained primary teeth

- Approximately $\frac{3}{4}$ of permanent tooth root has formed



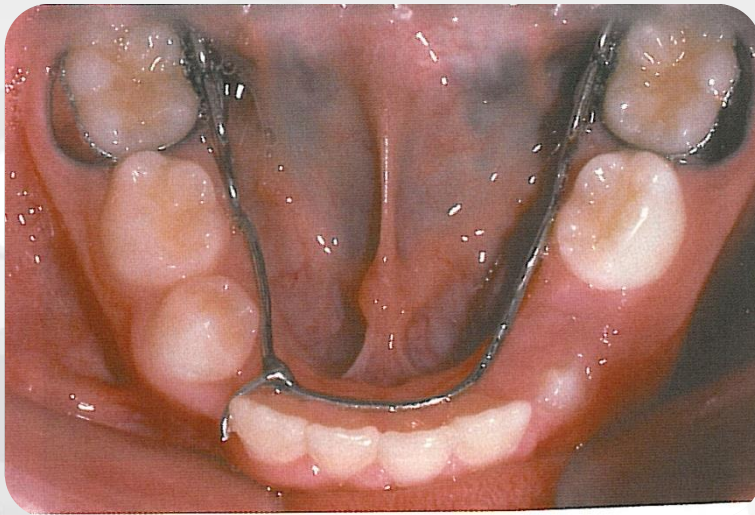
Ectopic eruption

- Space analysis
 - SM, SR , S.E or complex Tx.



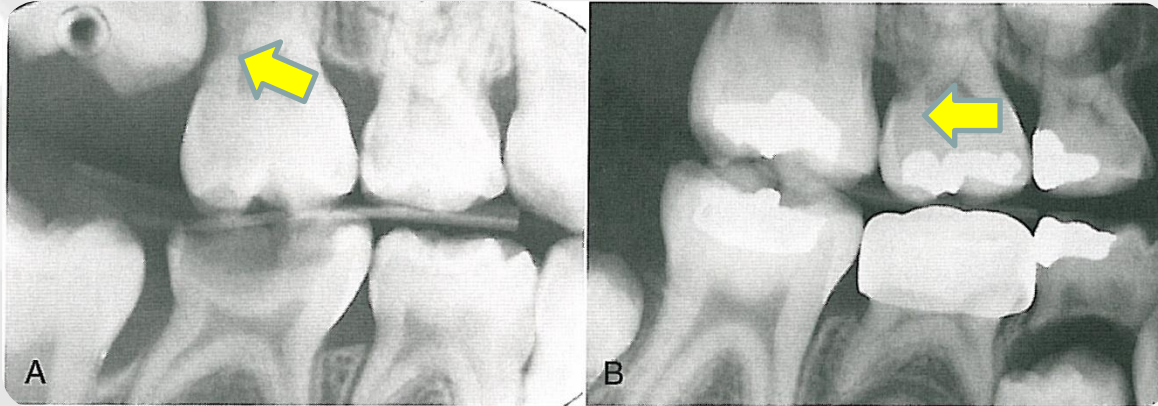
Lateral incisor

- Space is adequate + No midline shift
 - One primary canine is lost
 - Both primary canines are lost



Upper 1st permanent molar

- Only small amounts of E resorption (1-1.5 mm)
- Follow 6 months



Upper 1st permanent molar

- If a limited amount of movement is needed
 - 20 or 22 mil dead soft brass wire



Upper 1st permanent molar

- If a limited amount of movement is needed
 - 20 or 22 mil dead soft brass wire
 - Steel spring clip separator



Upper 1st permanent molar

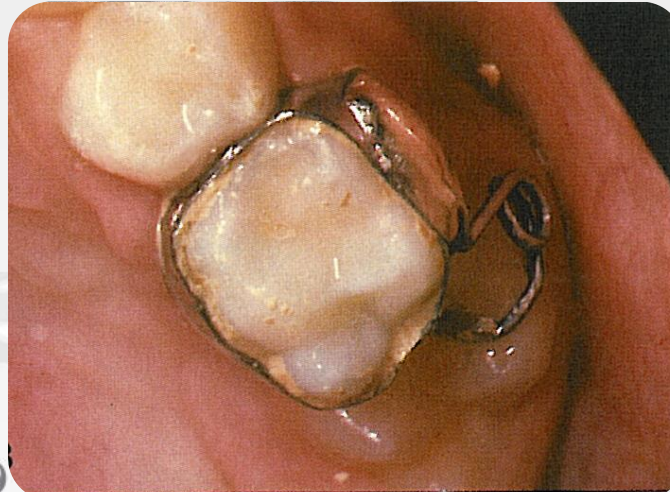
- If a limited amount of movement is needed
 - 20 or 22 mil dead soft brass wire
 - Steel spring clip separator
 - Elastomeric separator



Upper 1st permanent molar

➤ Resorption of E is severe and more distal movement is required

❖ Band or bond E and 6 + looped spring



Upper 1st permanent molar

➤ Extensive resorption of E

❖ Ext of E (+/- Distal shoe)

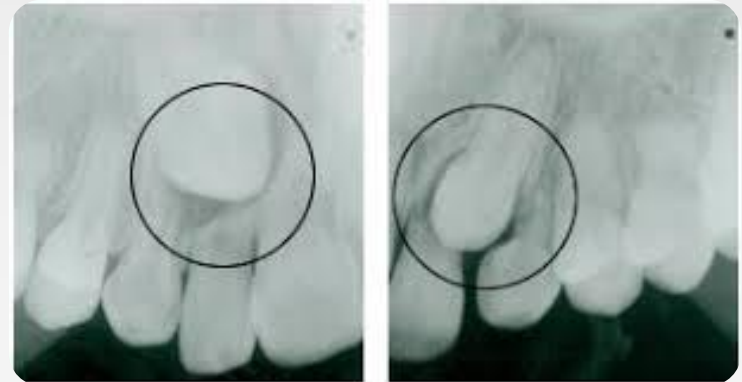
- SR or PM ext program after 6 eruption



Upper canine

➤ Can leads to:

- Canine impaction
- Incisors root resorption



Upper canine

➤ Diagnosis:

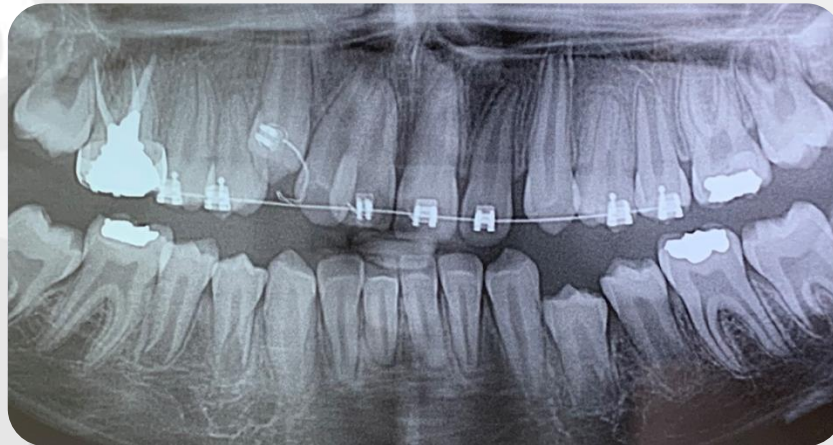
1. Panoramic
2. CBCT

Upper canine

- No root resorption of incisors:
 - ❖ Ext of primary canines
- Ericson & Kurol study
 - ❖ Overlapping less than half of lateral root ➔ 91%
 - ❖ Overlapping less than half of lateral root ➔ 64%

Upper canine

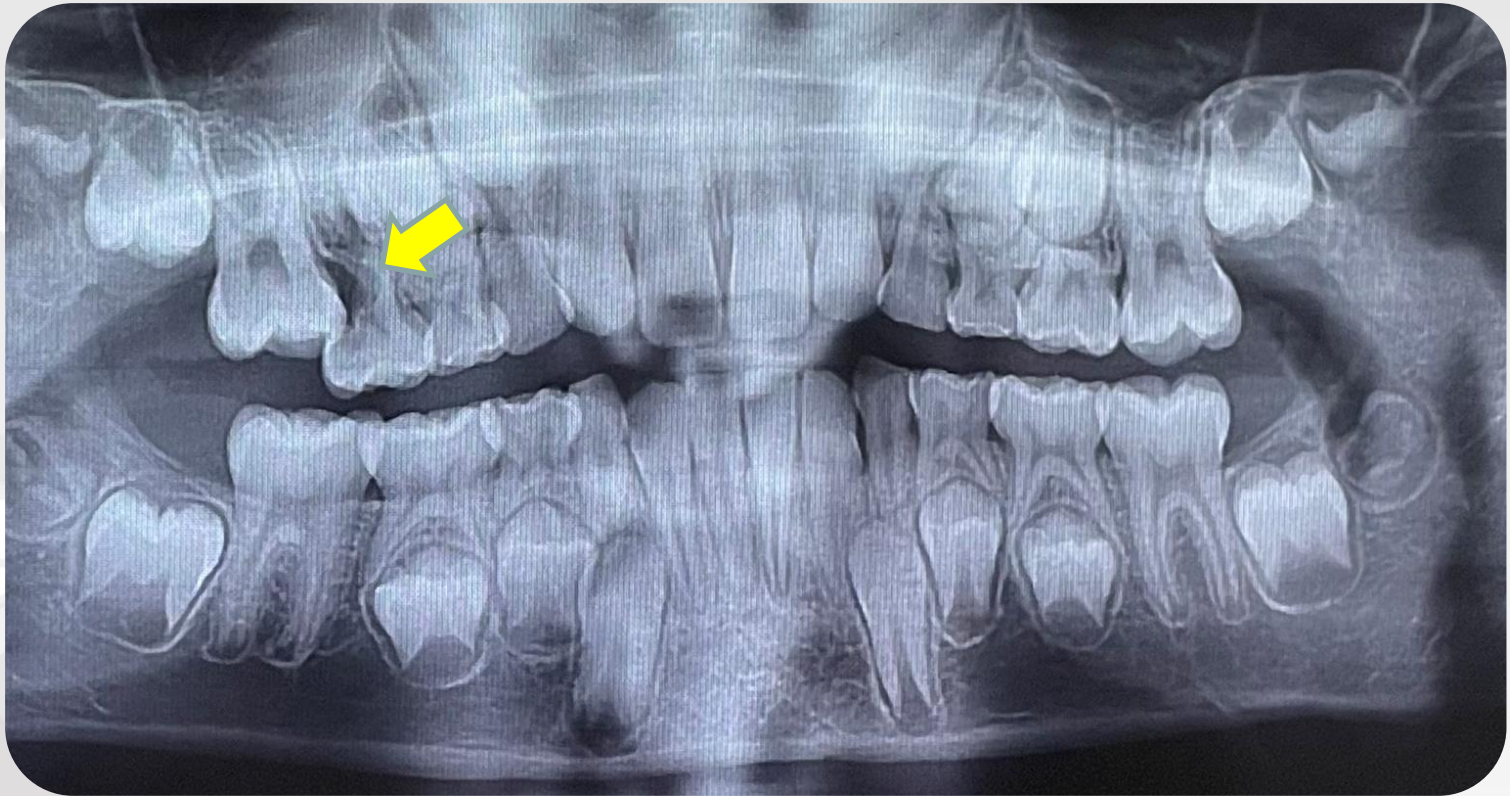
- Root resorption of incisors:
 - ❖ Surgically expose & force eruption



Supernumerary teeth

- Can disrupted the normal eruption of teeth
 - ➔ Ext as soon as possible
- The most common location
 - ➔ Anterior of maxilla
- The more number& more abnormal shape& higher position
 - ➔ The harder situation

Max 1st molar ectopic eruption



1.5 months later



Bilateral Man 2nd molar ectopic eruption



After ext



2 months later



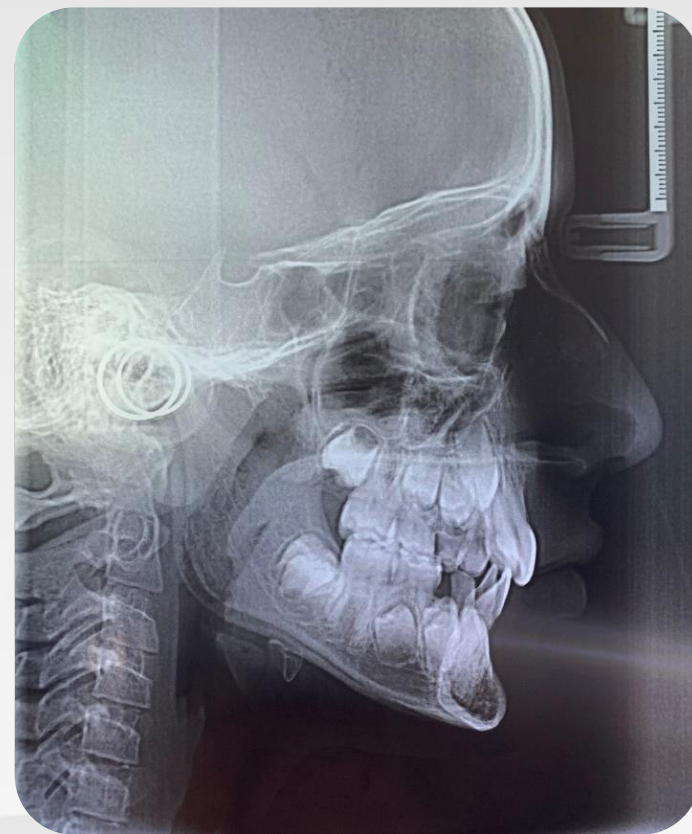
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Man lateral ectopic eruption & 2nd premolar missing



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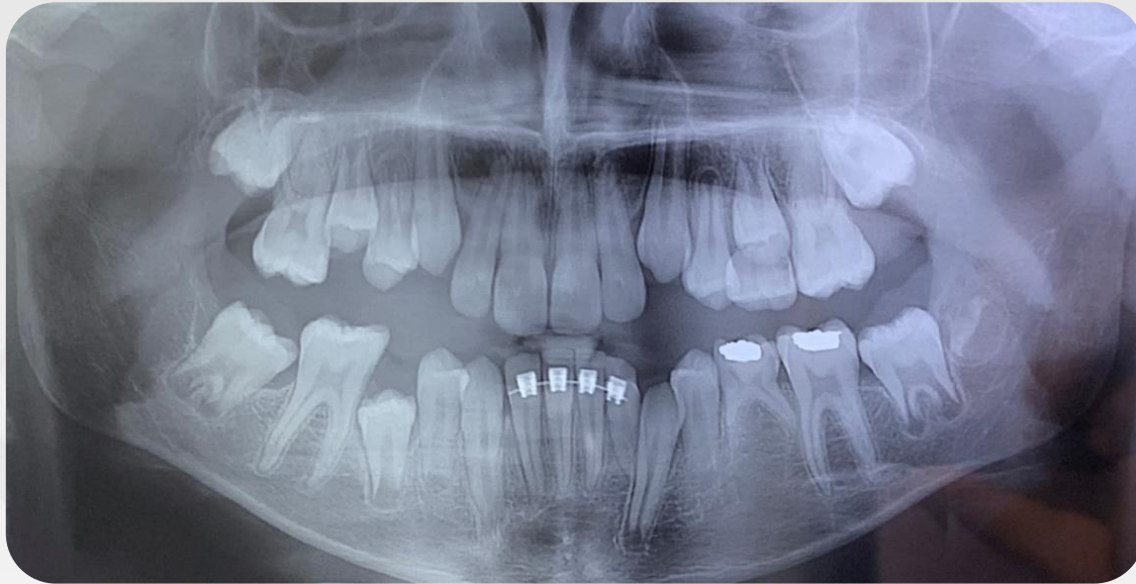




5 months removable app



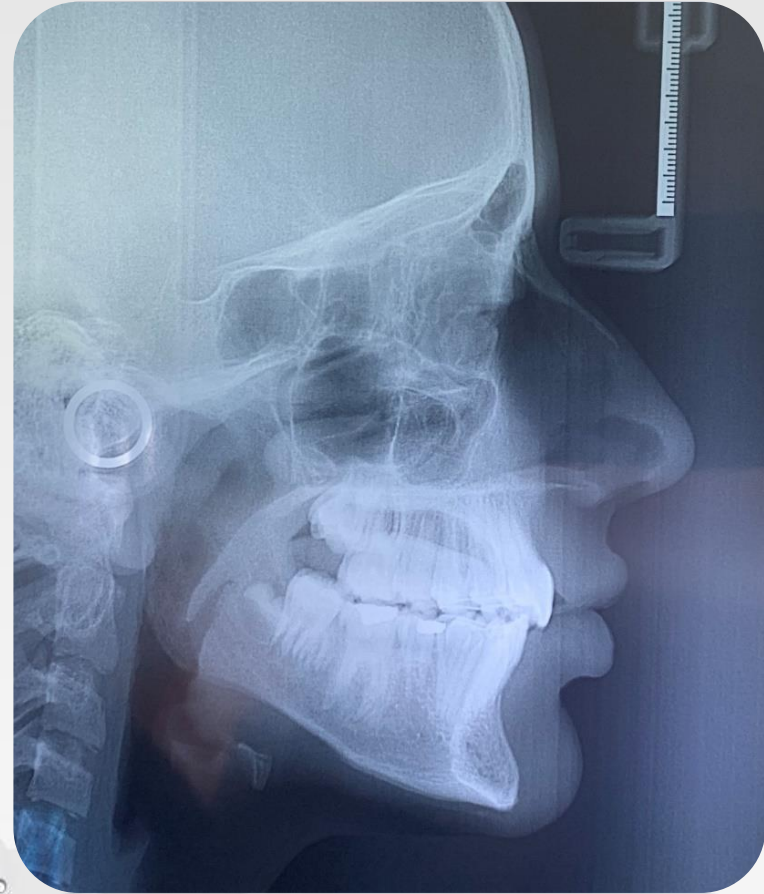
6 months partial fixed Tx



1 year follow



5 month fixed Tx



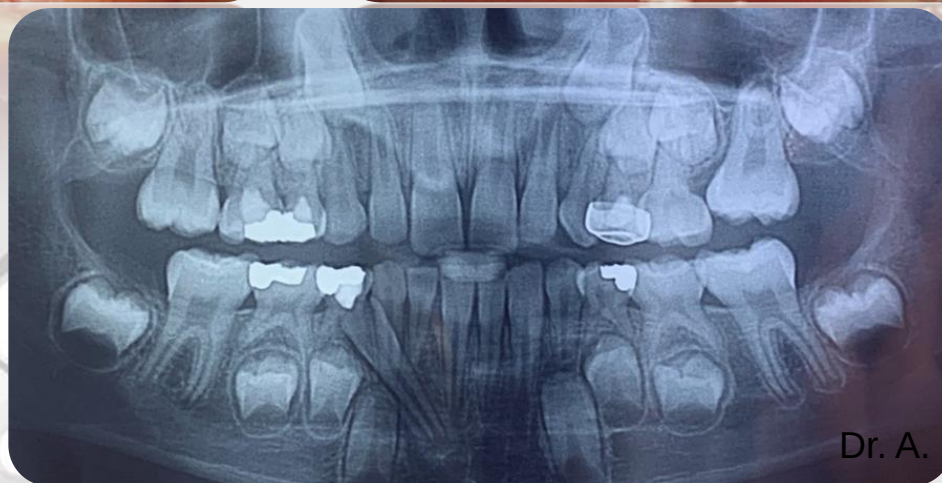
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Final result



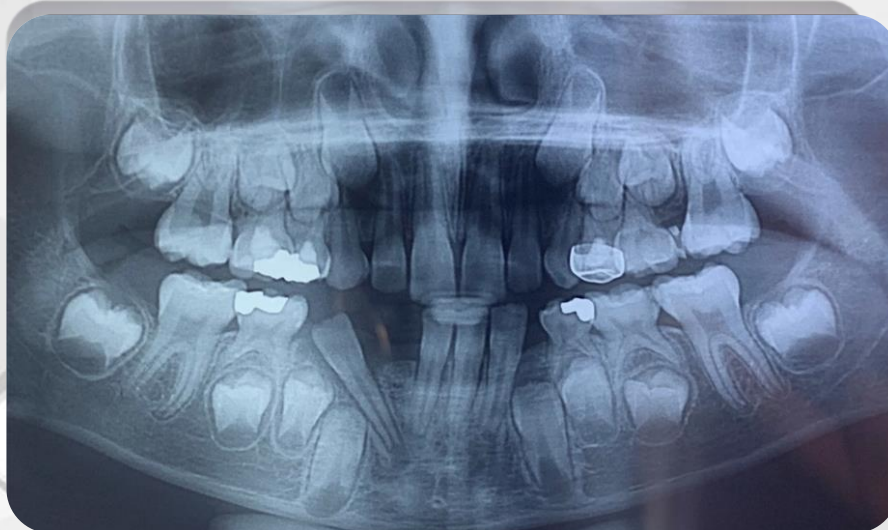
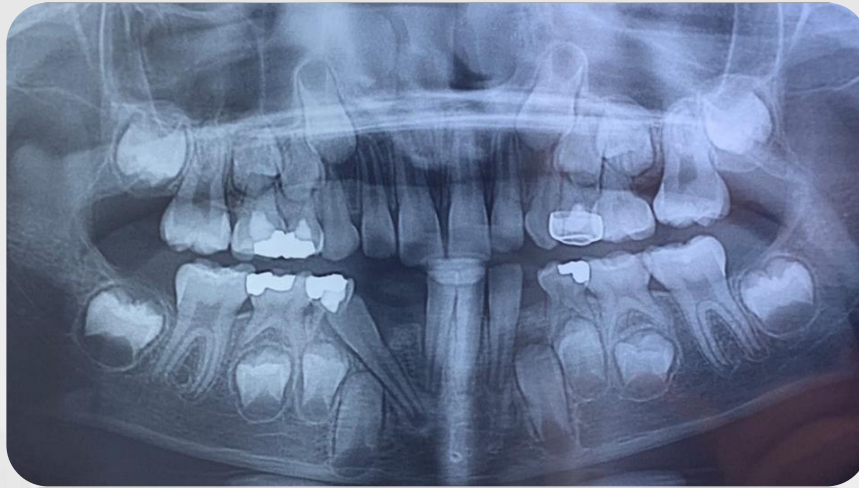


Man lateral ectopic eruption



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Removable Tx



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10 months later



Fixed Tx



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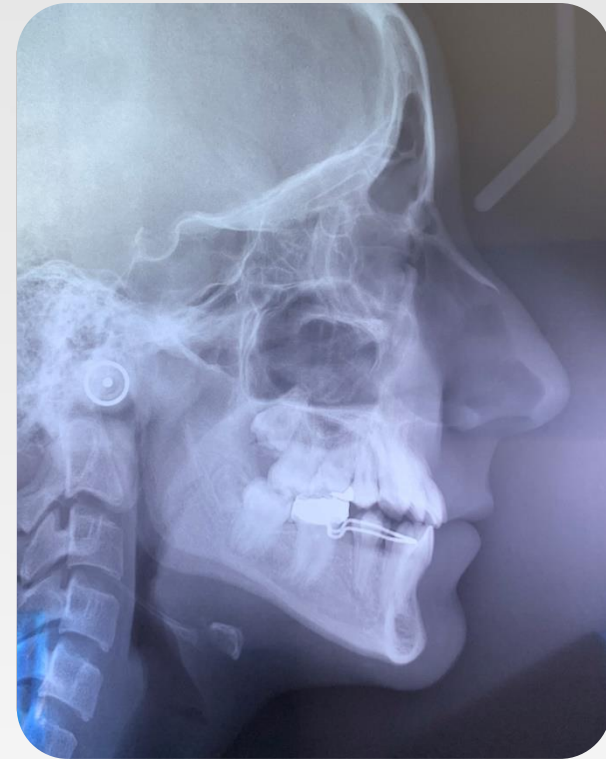


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Bilateral 2nd molar ectopic eruption



6 months later

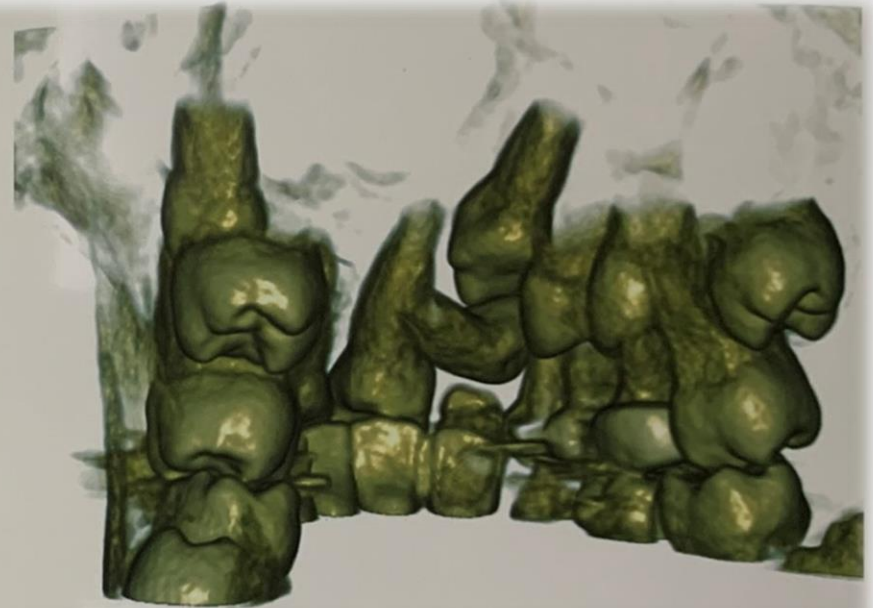
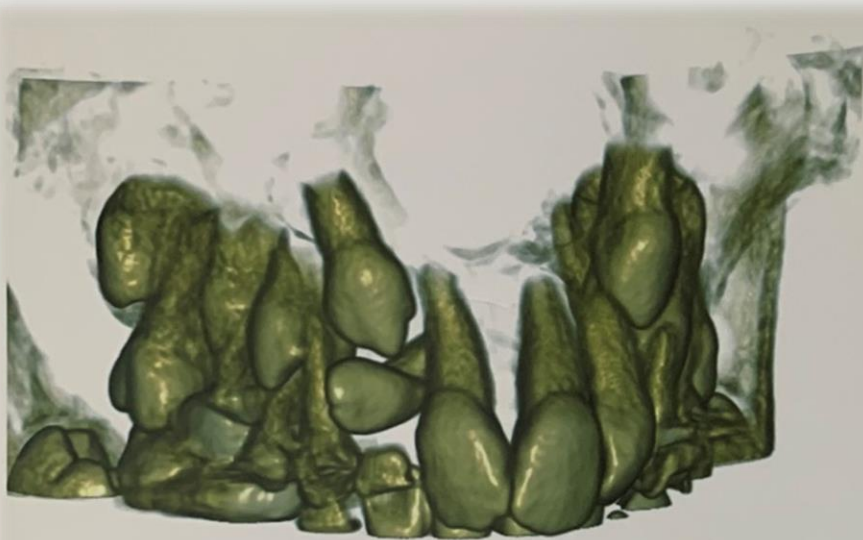


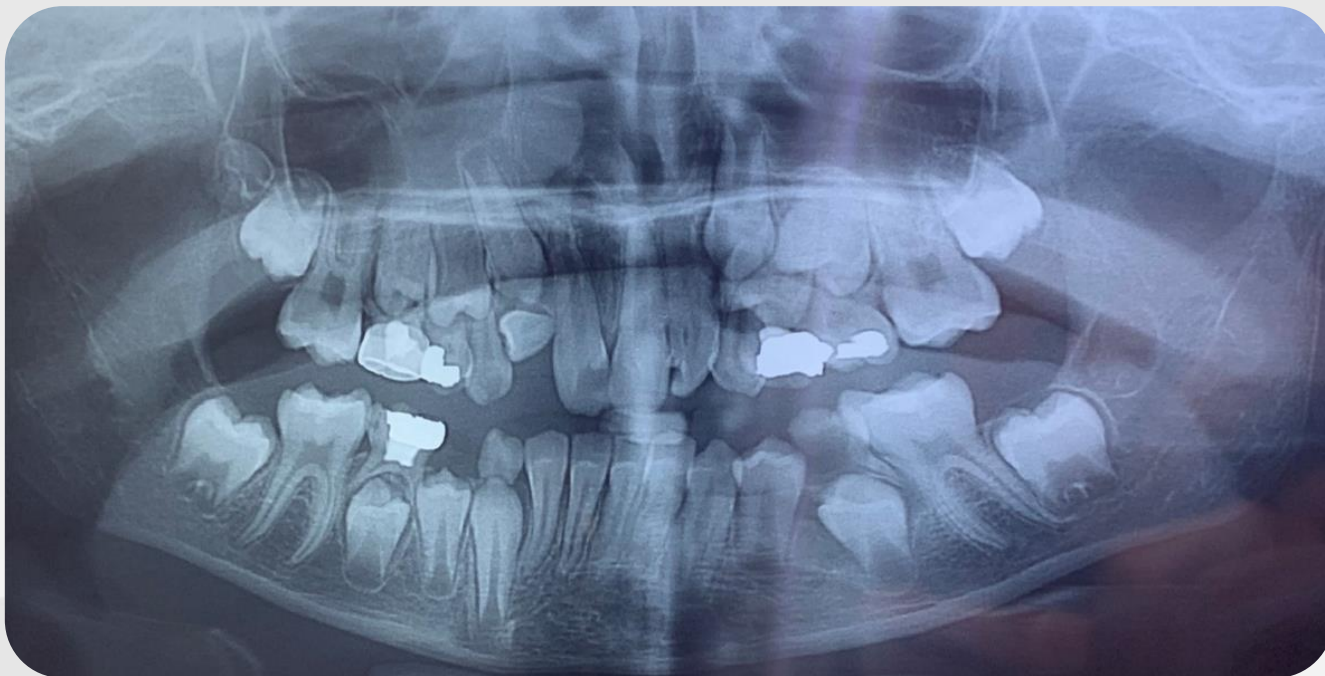


Skeletal CLII & lateral ectopic eruption







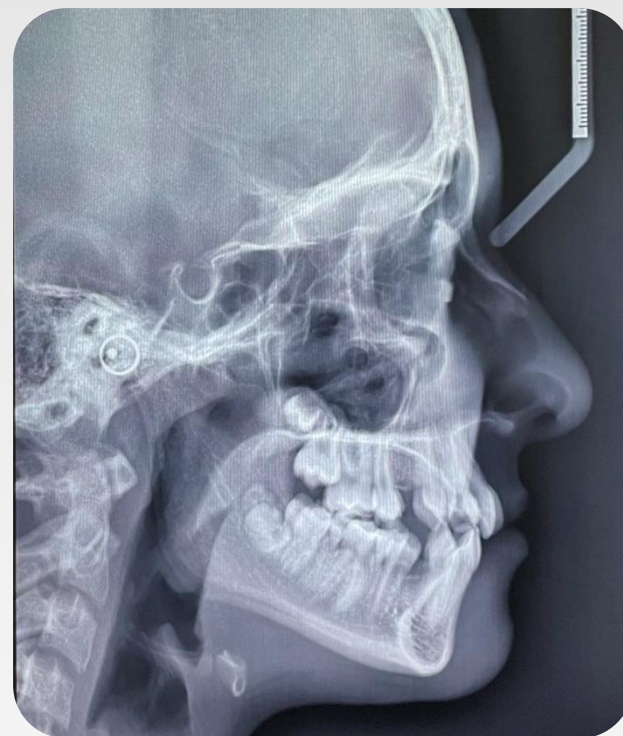


Functional therapy + Elastic





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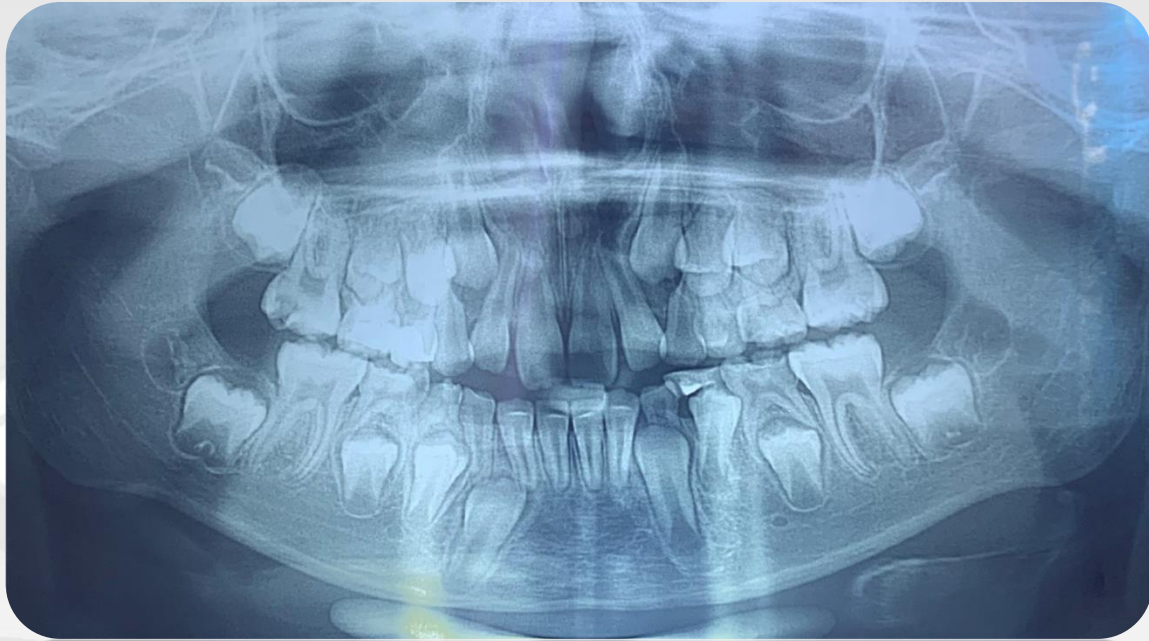


Ready for fixed Tx

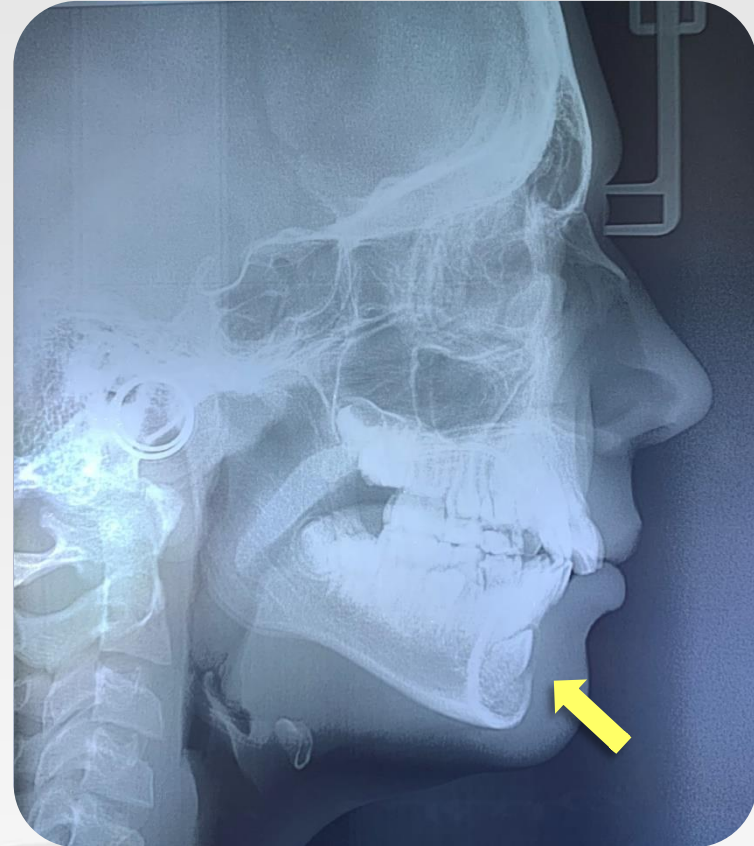
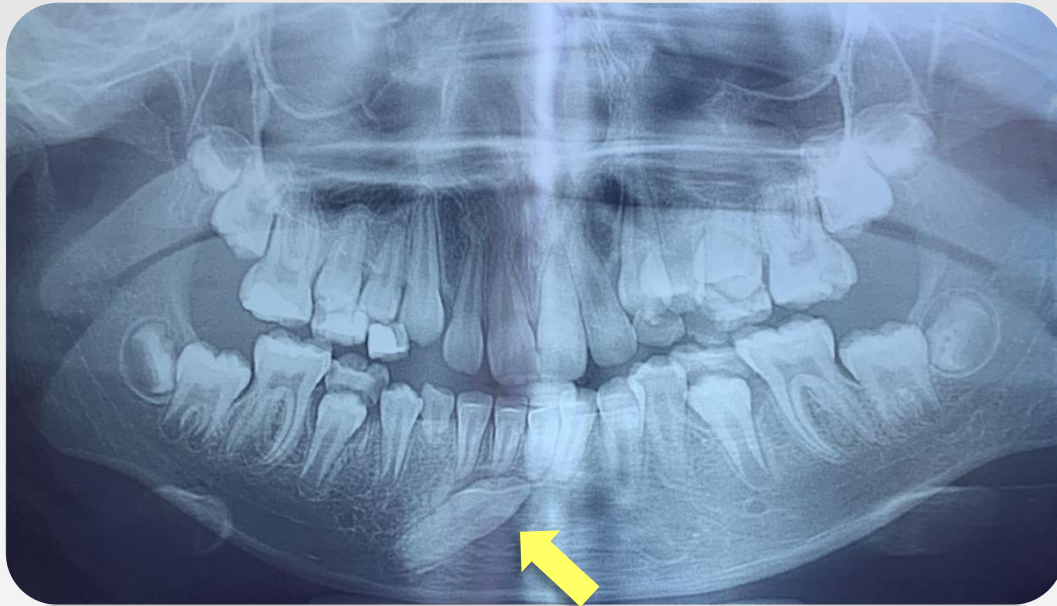


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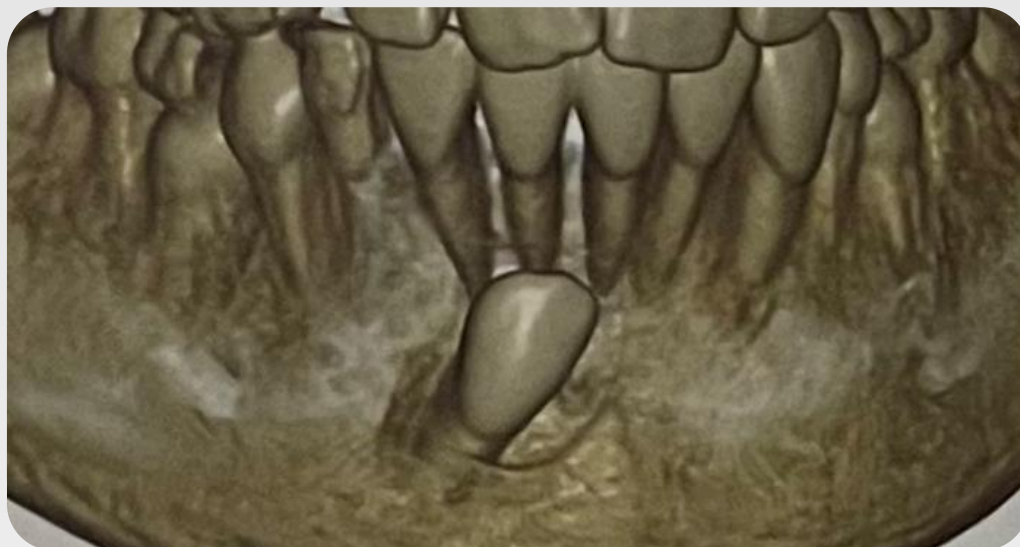
Man canine ectopic eruption



After 18 months







Treatment



6 months later



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Skeletal CLII& supernumerary& impacted teeth

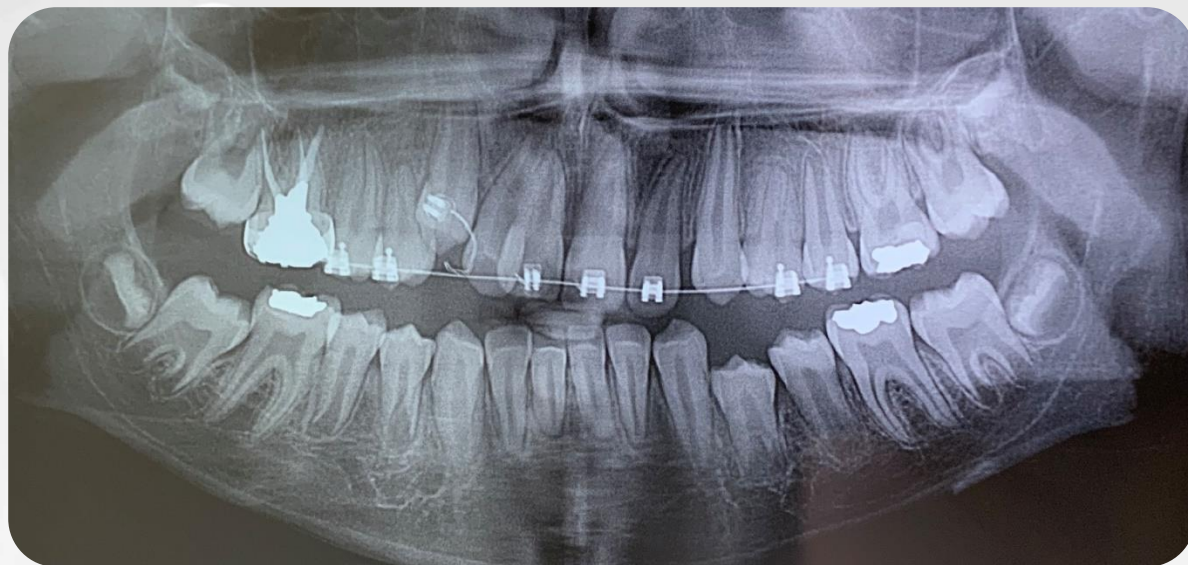


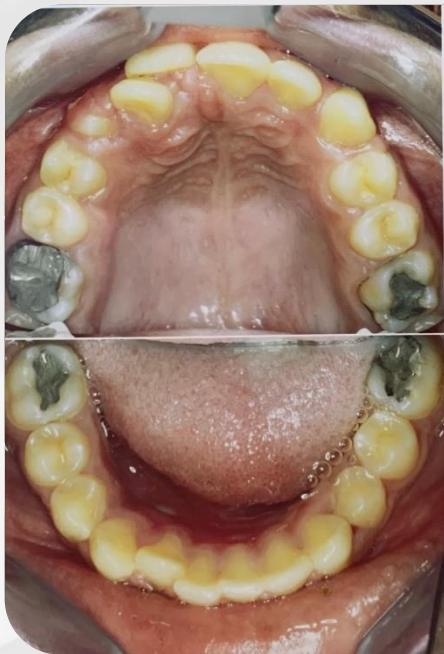
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Forced eruption







Functional therapy





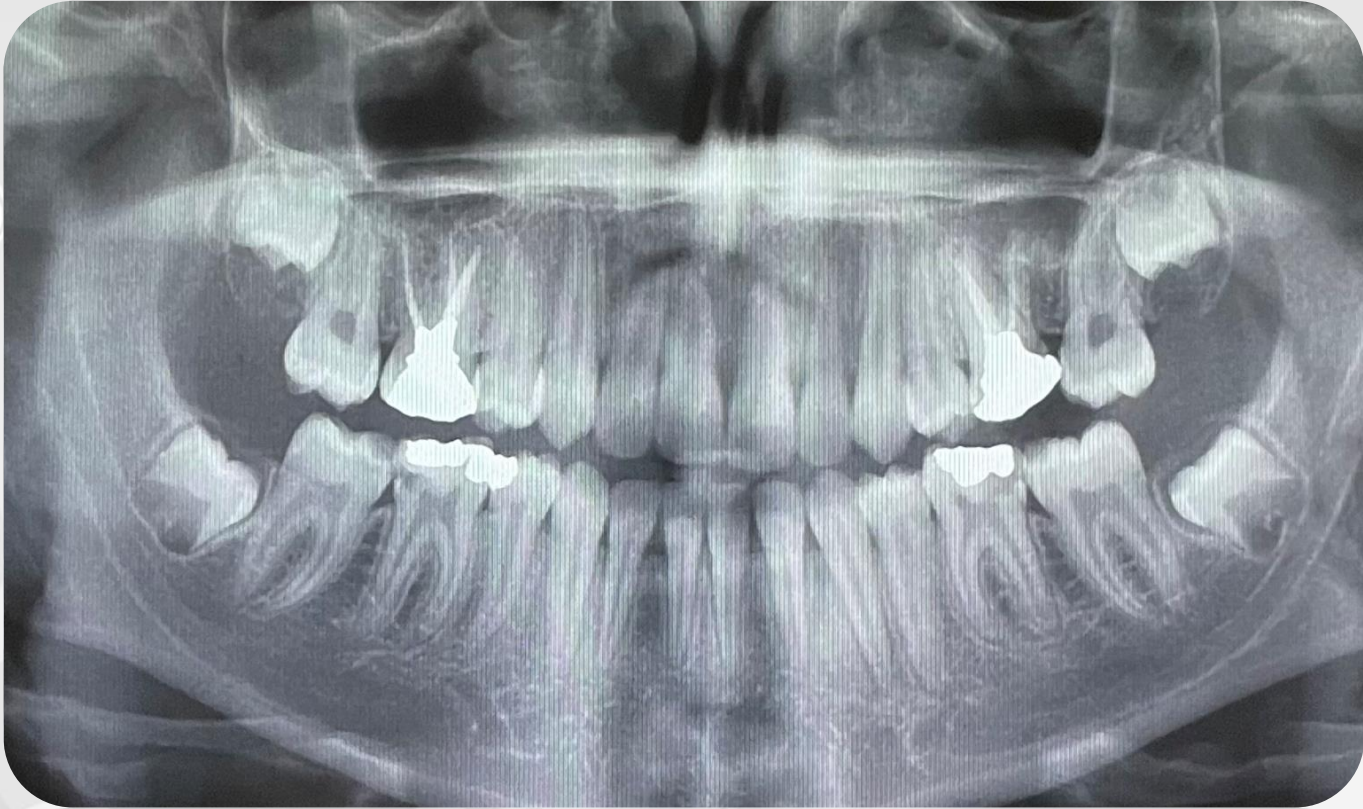
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Fixed Tx



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Man canine ectopic eruption





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Partial fixed Tx



8 months later



Dr. A. Gachkooban - Orthodontist



چای را چه اینست

در دنیا جای کافی برای همه هست
پس بجای اینکه
جای کسی را بگیری
سعی کن
جای خودت را پیدا کنی.

خداوند در دنیا همه را