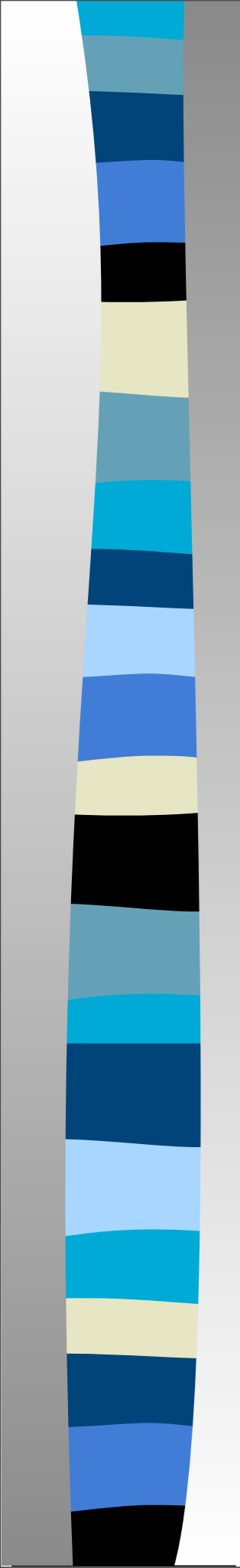
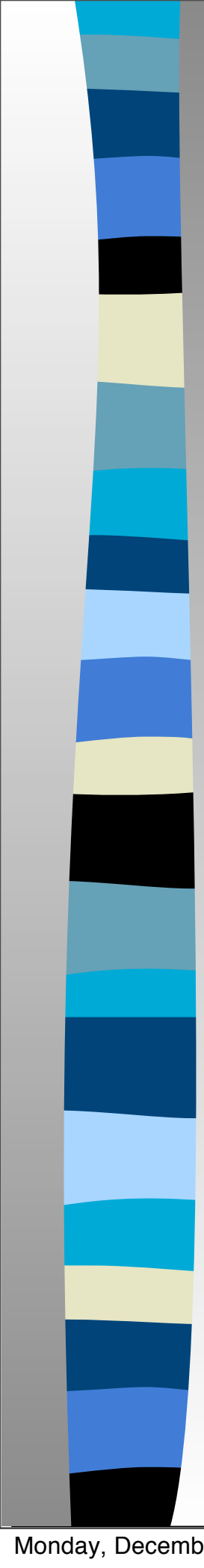


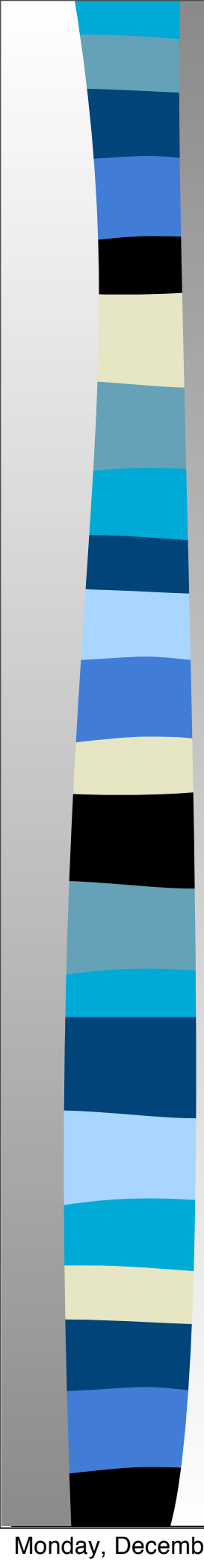
Canine Impaction Identified Early with Panoramic Radiographs. Lindauer et al. (1992)





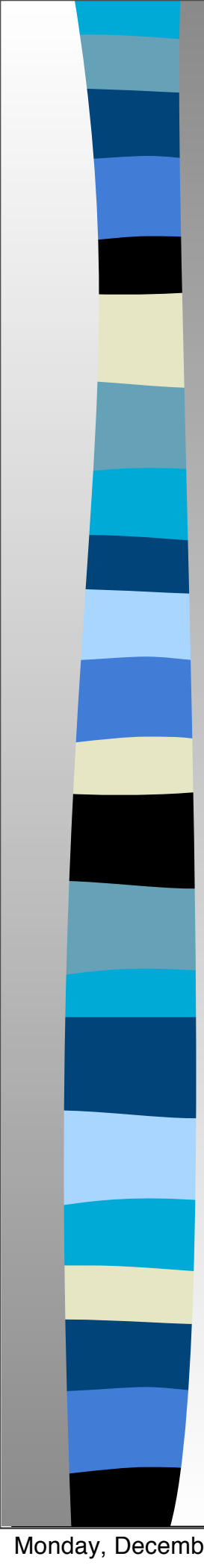
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- Two Groups of chronologically and dentally age-matched patients were compared retrospectively:



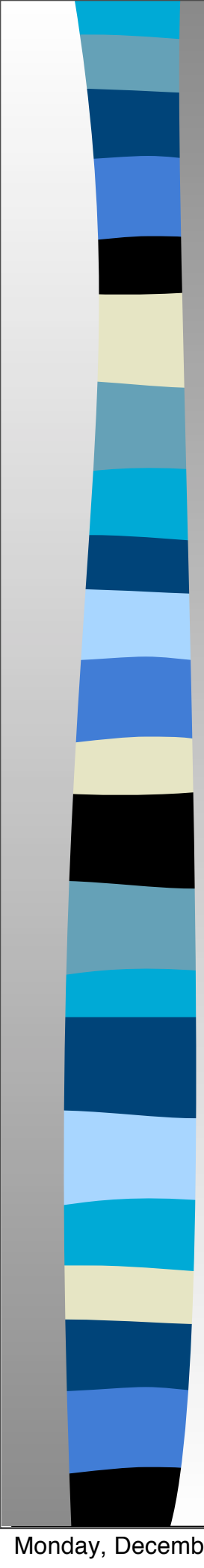
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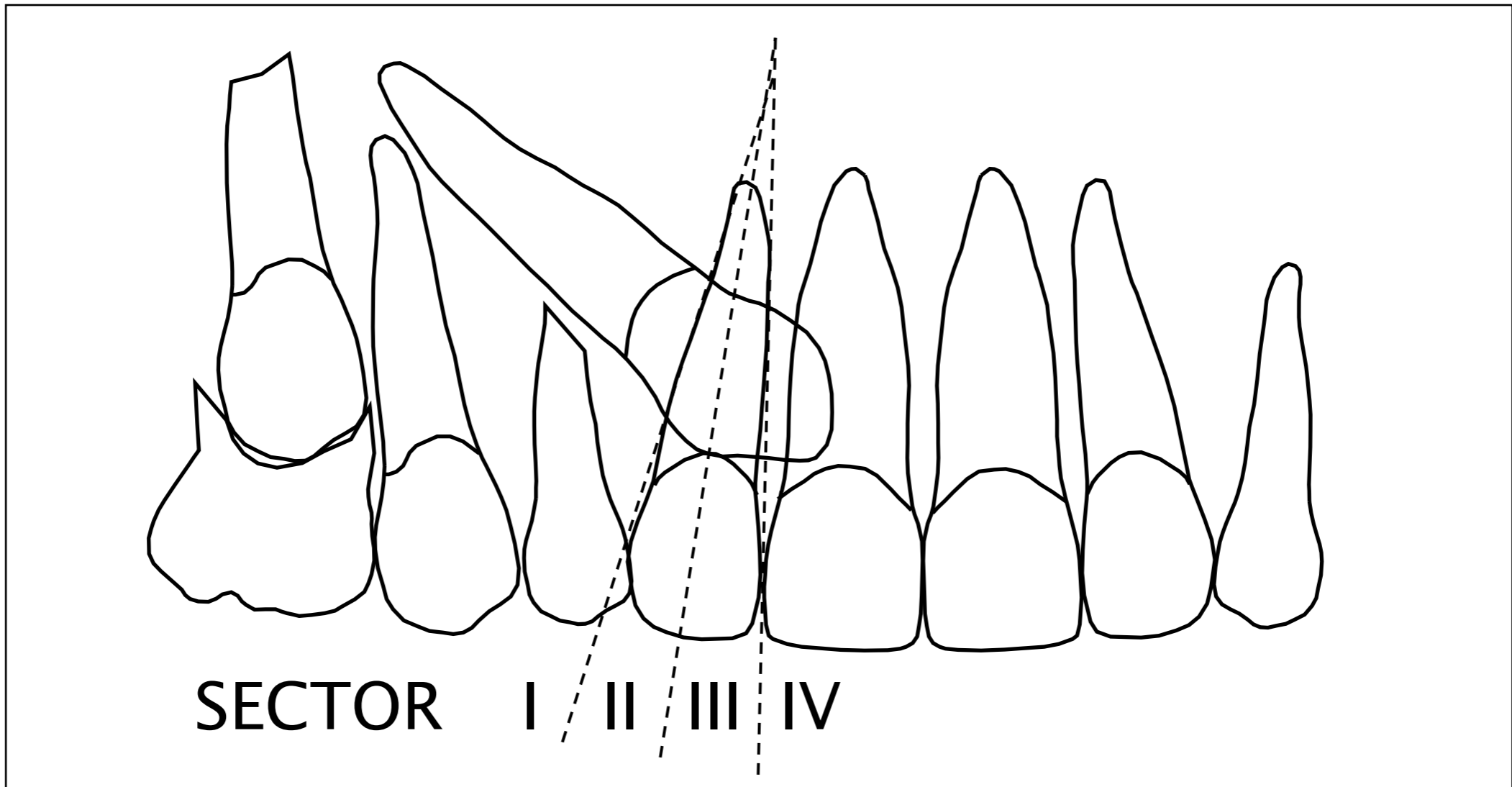
Canine Impaction Identified Early with Panoramic Radiographs. Lindauer et al. (1992)

- Two Groups of chronologically and dentally age-matched patients were compared retrospectively:
- 28 patients with unilaterally or bilaterally impacted canines.
- 28 patients with normally erupted canines.

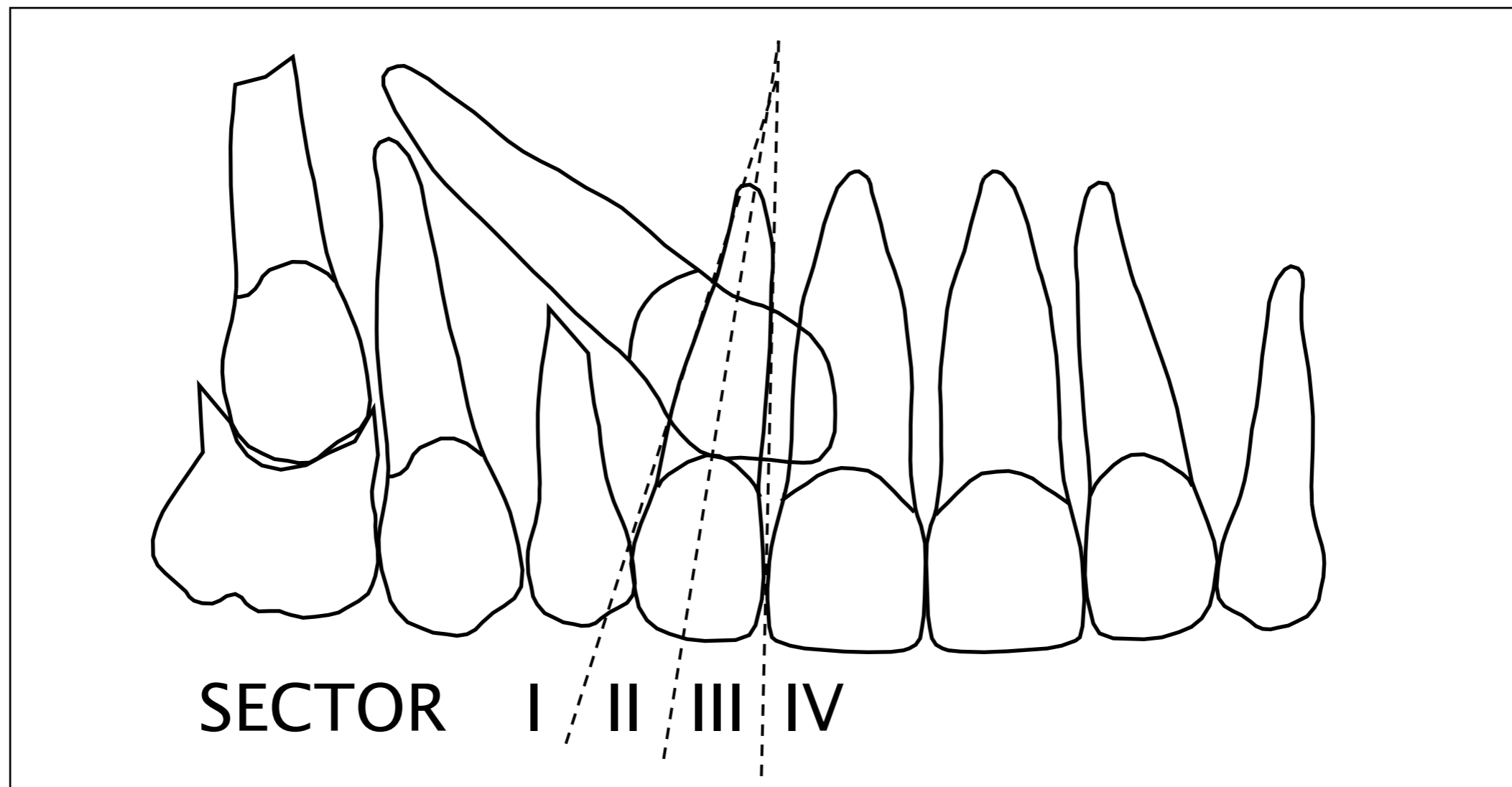


Canine Impaction Identified Early with Panoramic Radiographs. Lindauer et al. (1992)

- Two Groups of chronologically and dentally age-matched patients were compared retrospectively:
- 28 patients with unilaterally or bilaterally impacted canines.
- 28 patients with normally erupted canines.
- All had panoramic radiographs available from around the age of 11.8 – 12.1 years.



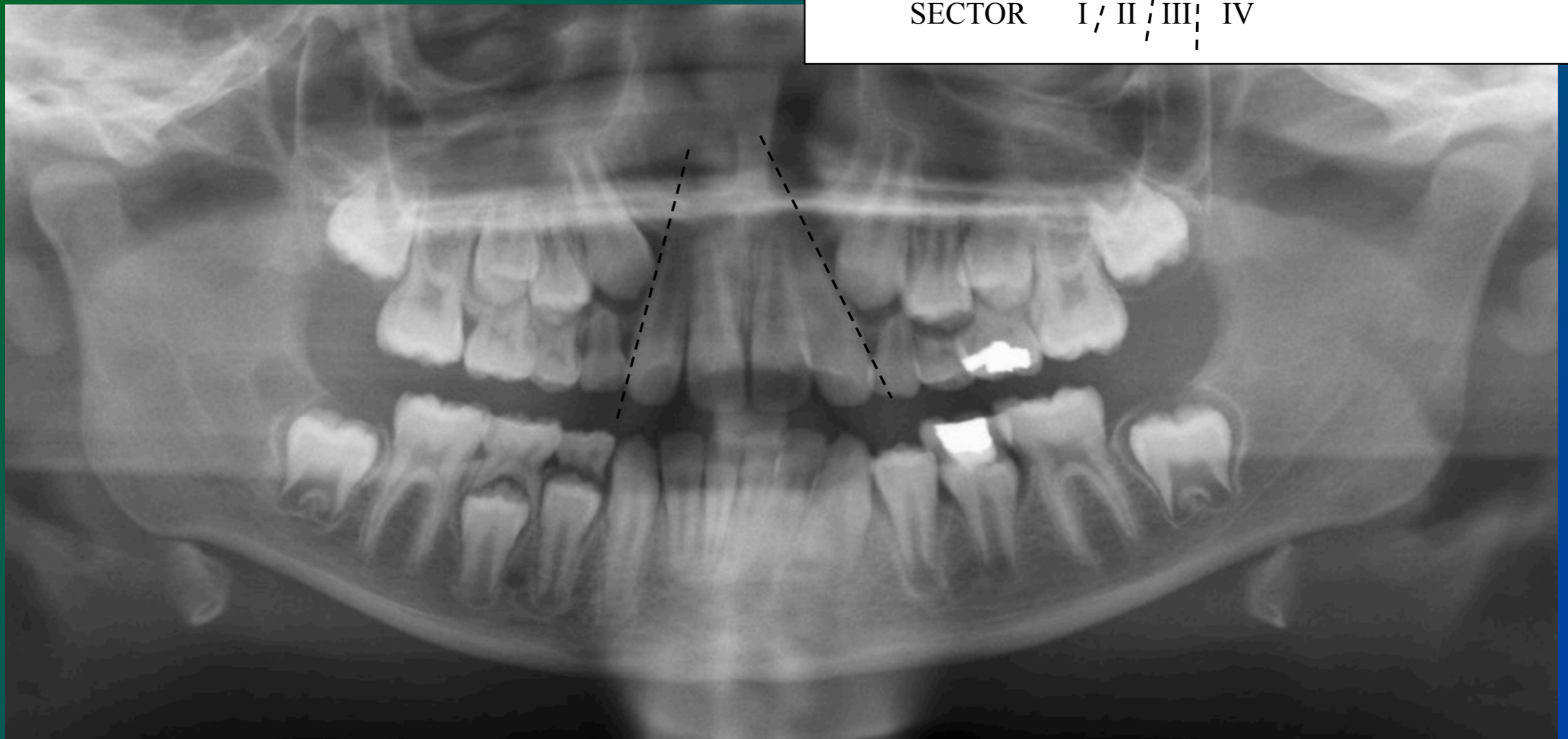
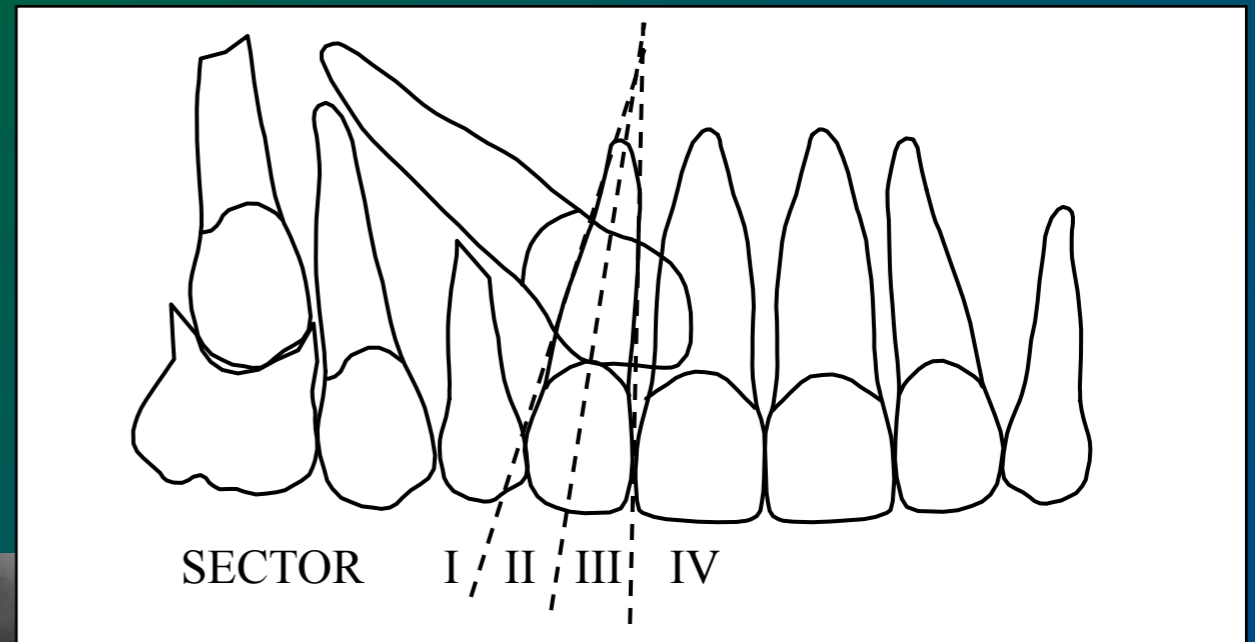
Canine cusp tip location on the panoramic x-ray, relative to the lateral incisor:



Sector I



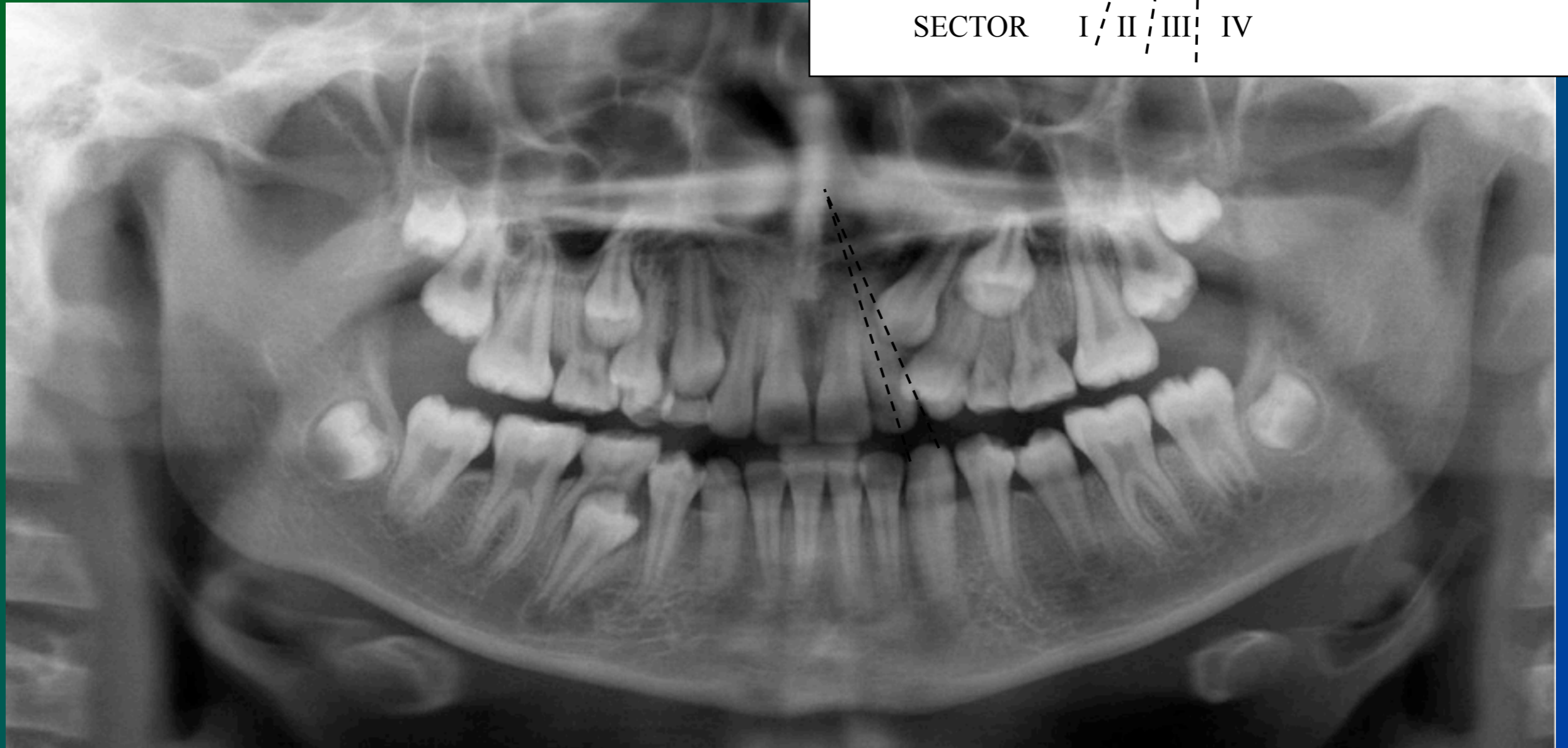
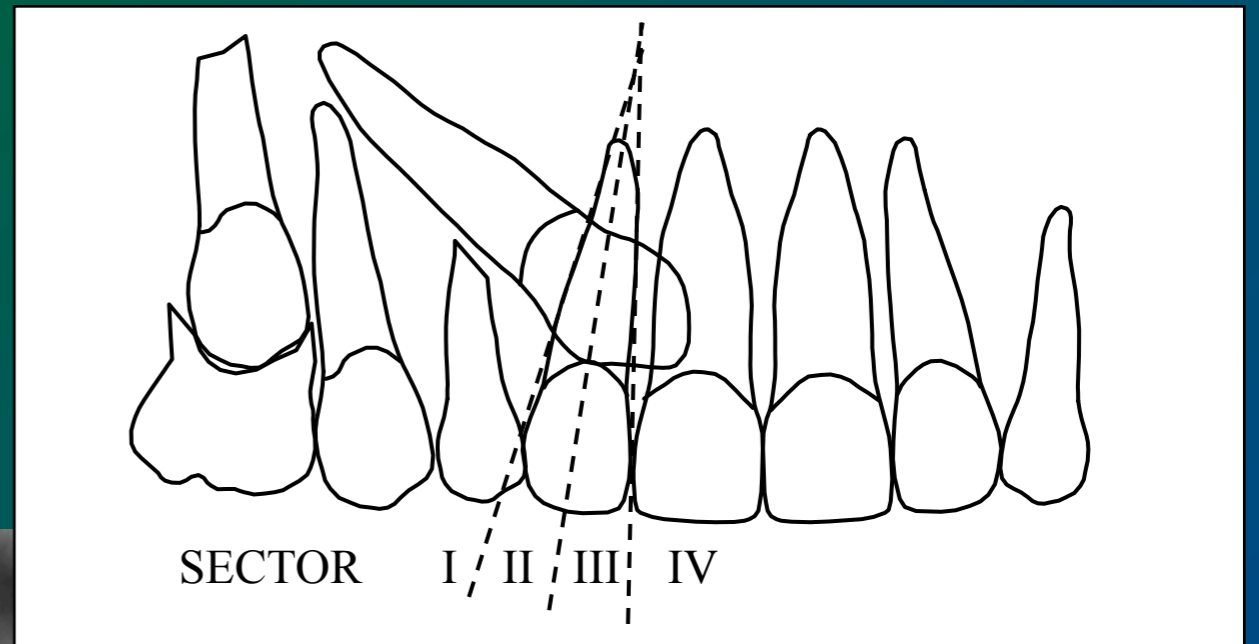
Sector I



Sector II



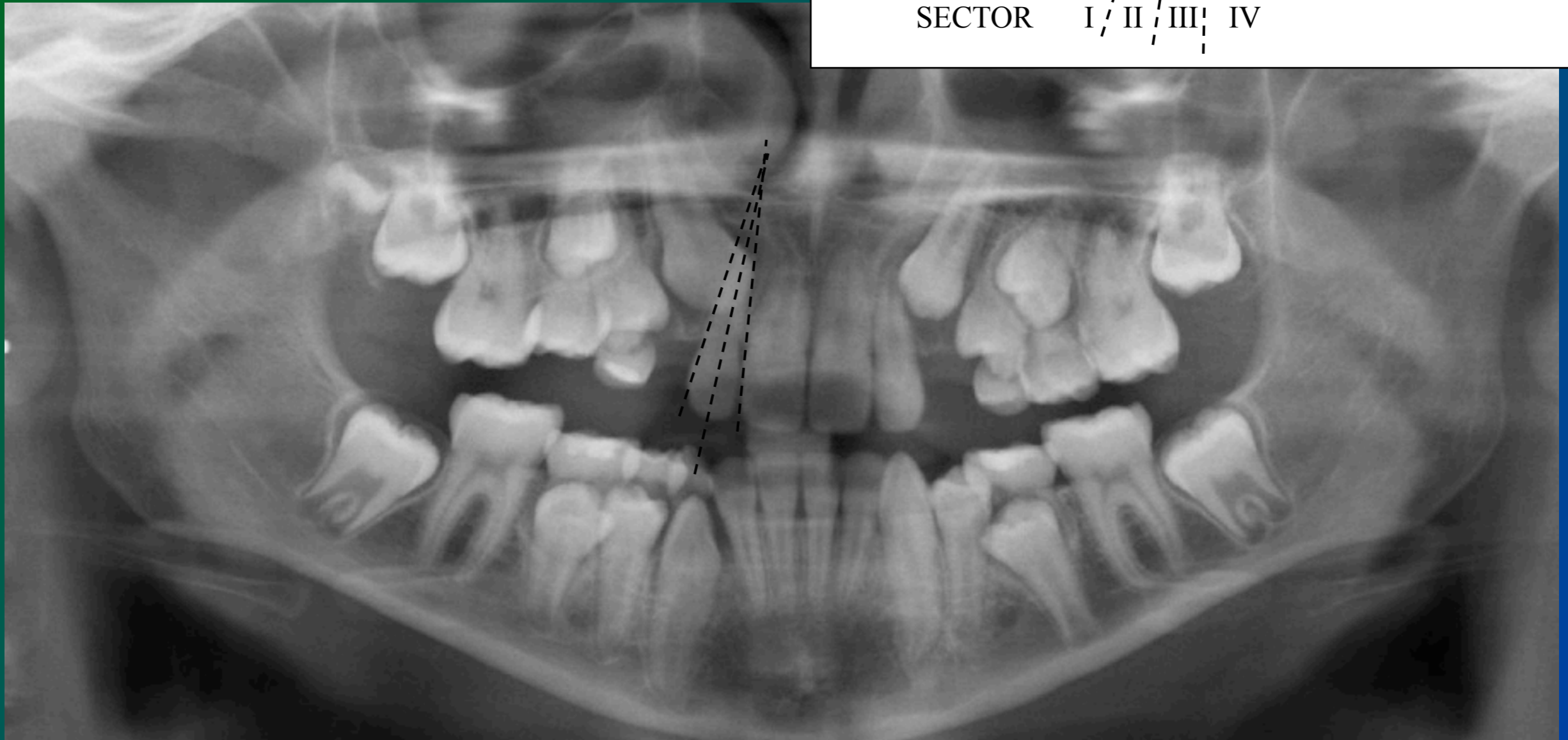
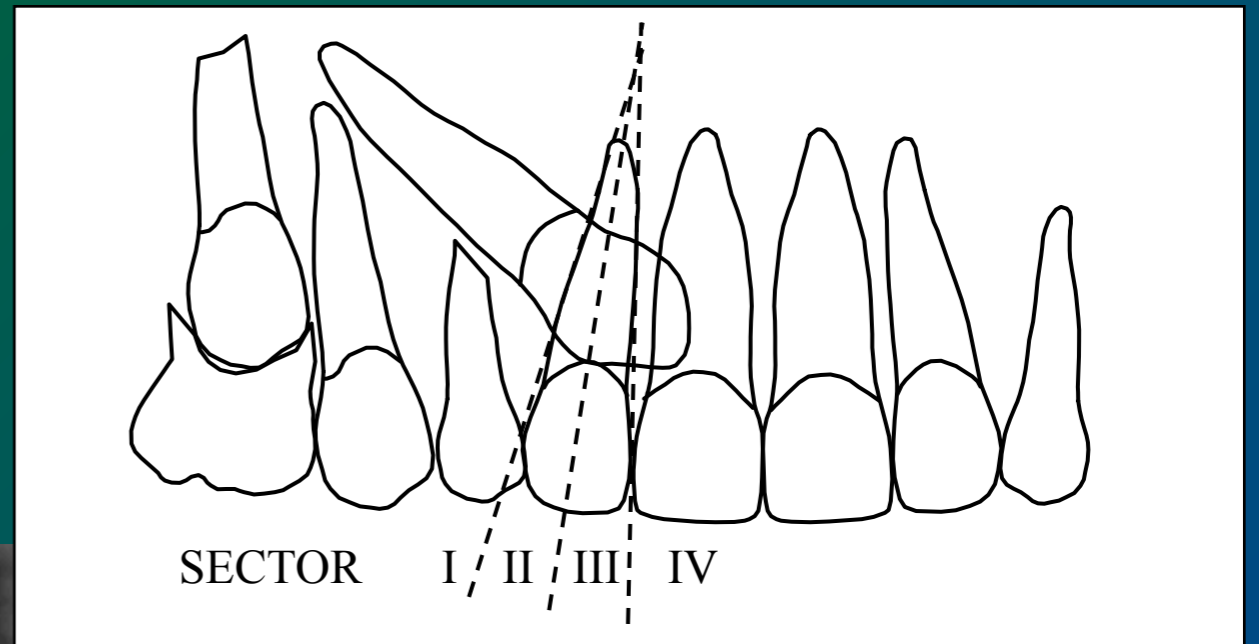
Sector II



Sector III



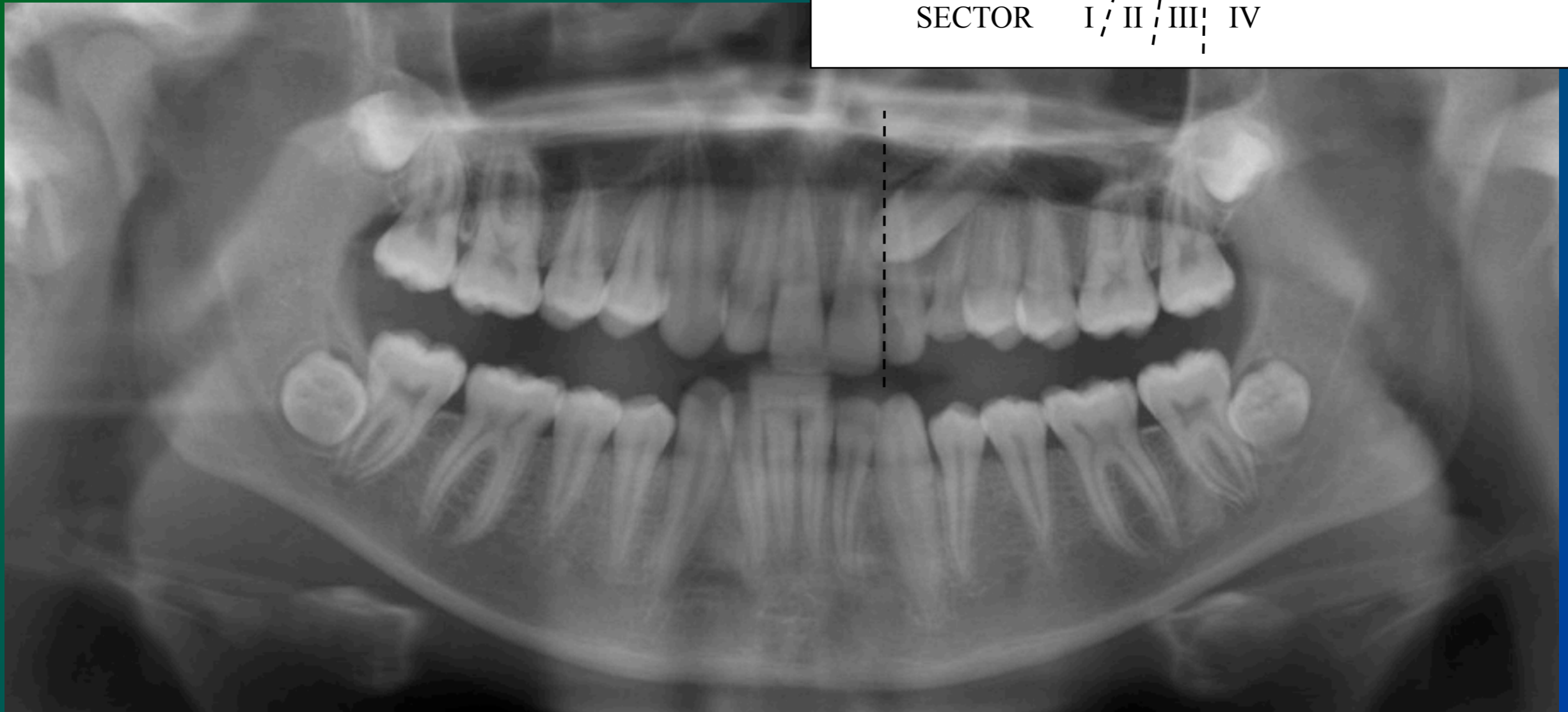
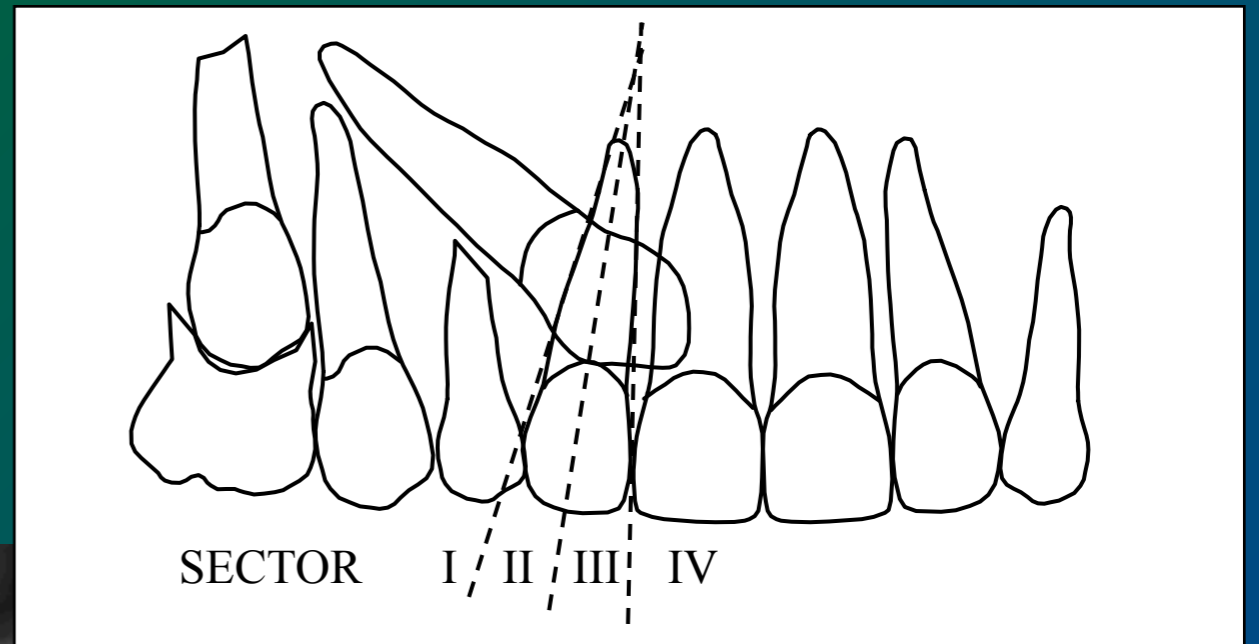
Sector III



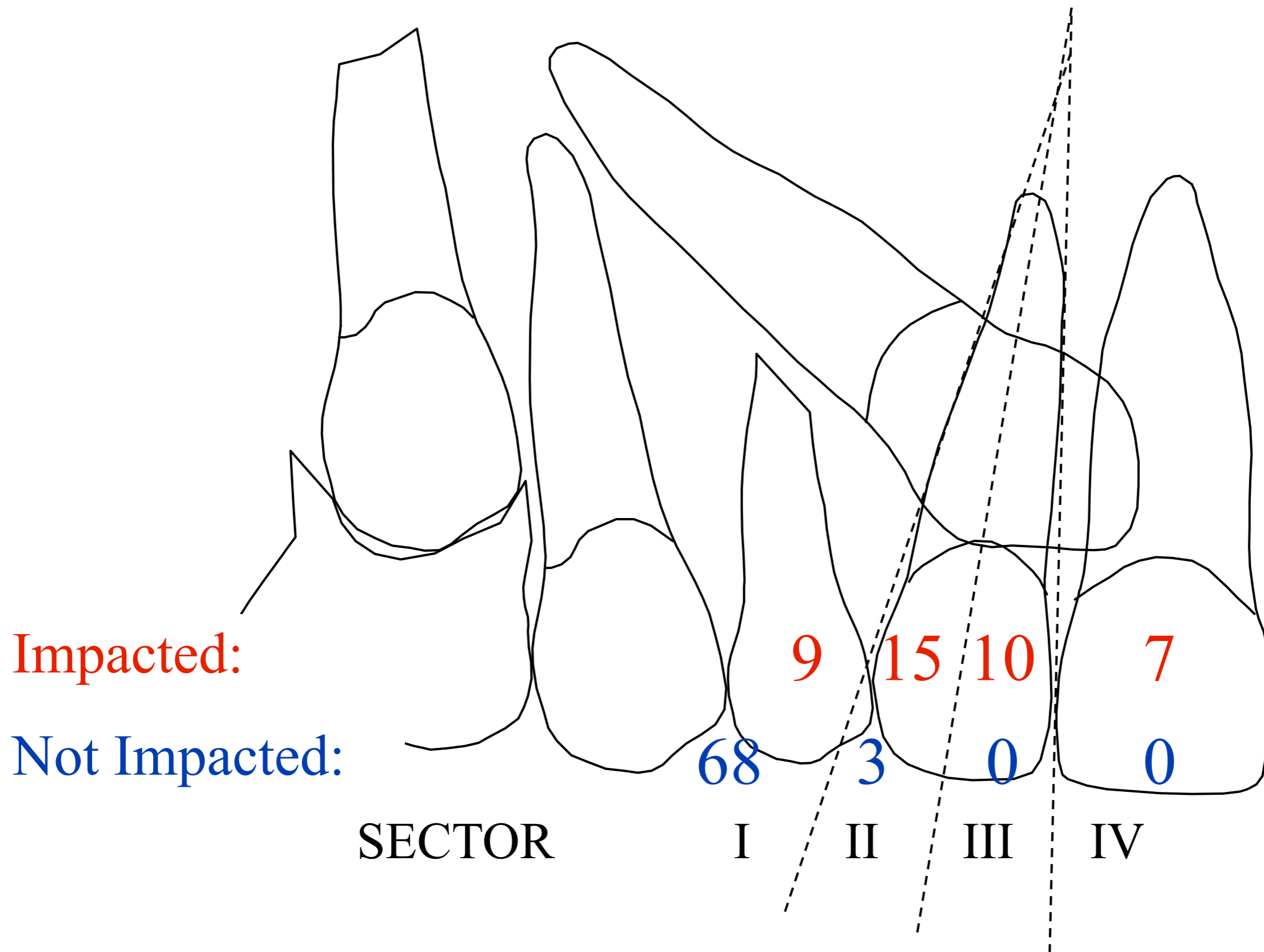
Sector IV



Sector IV



RESULTS



Impacted:

Not Impacted:

SECTOR

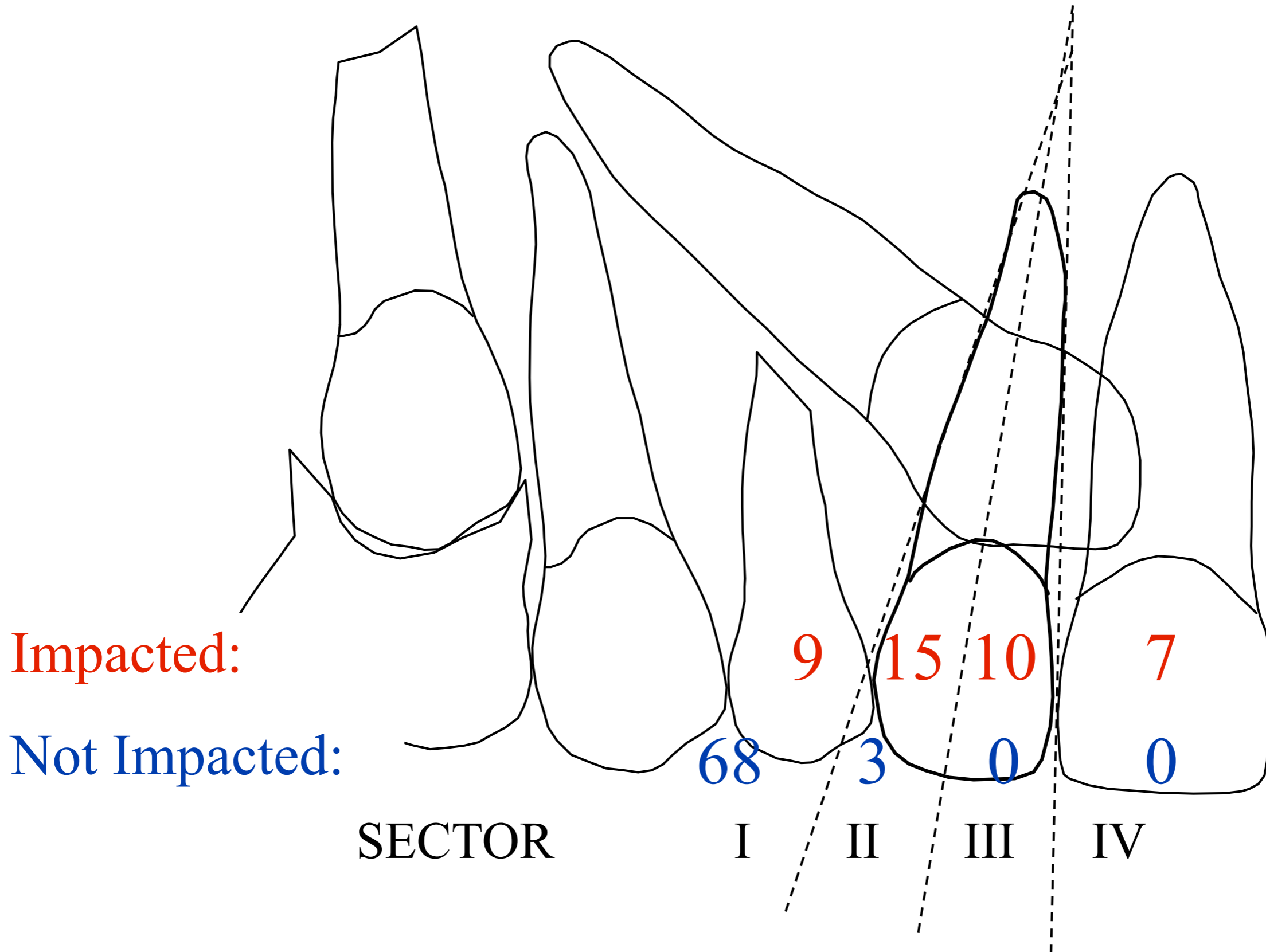
I

II

III

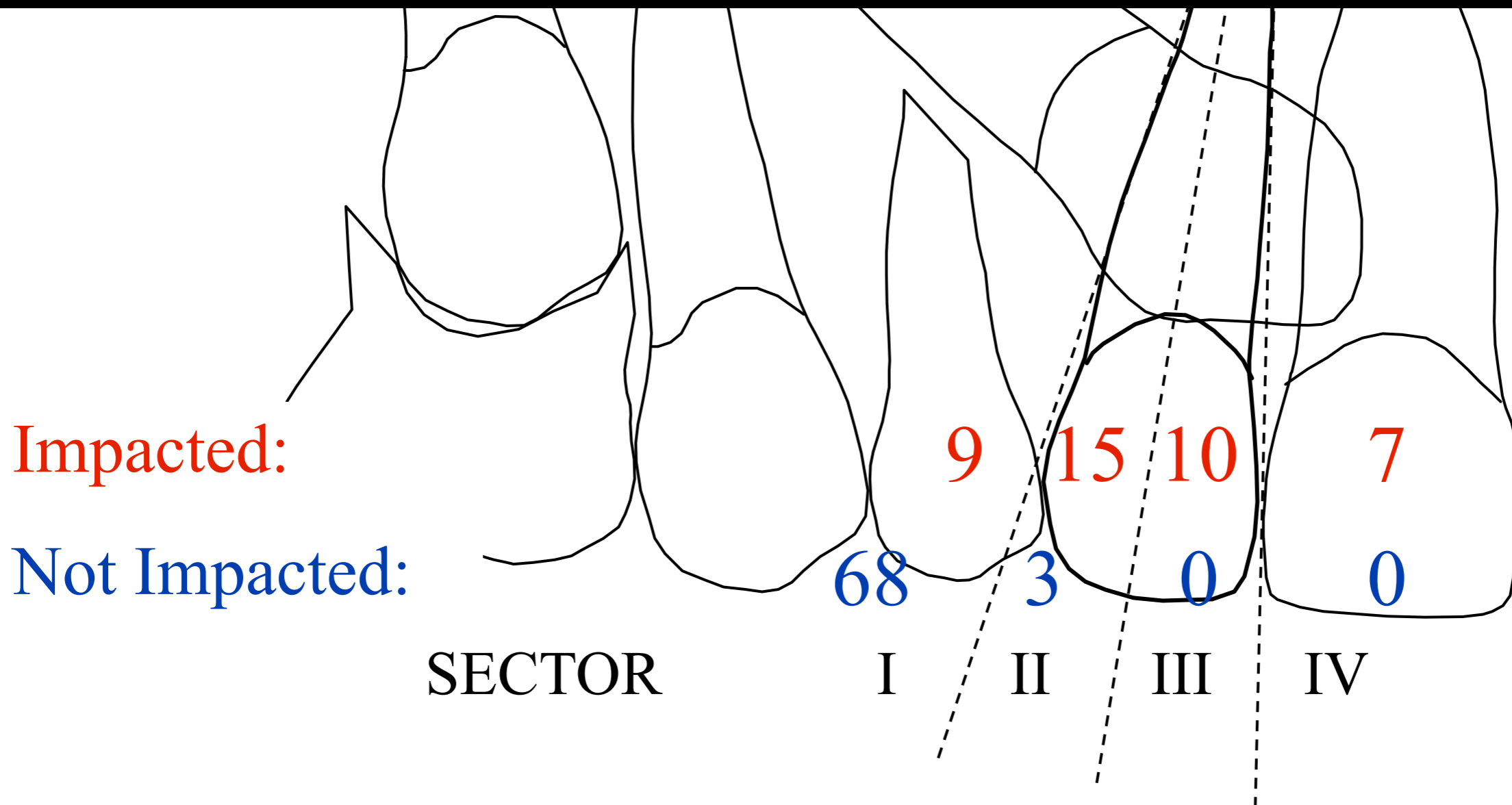
IV

RESULTS

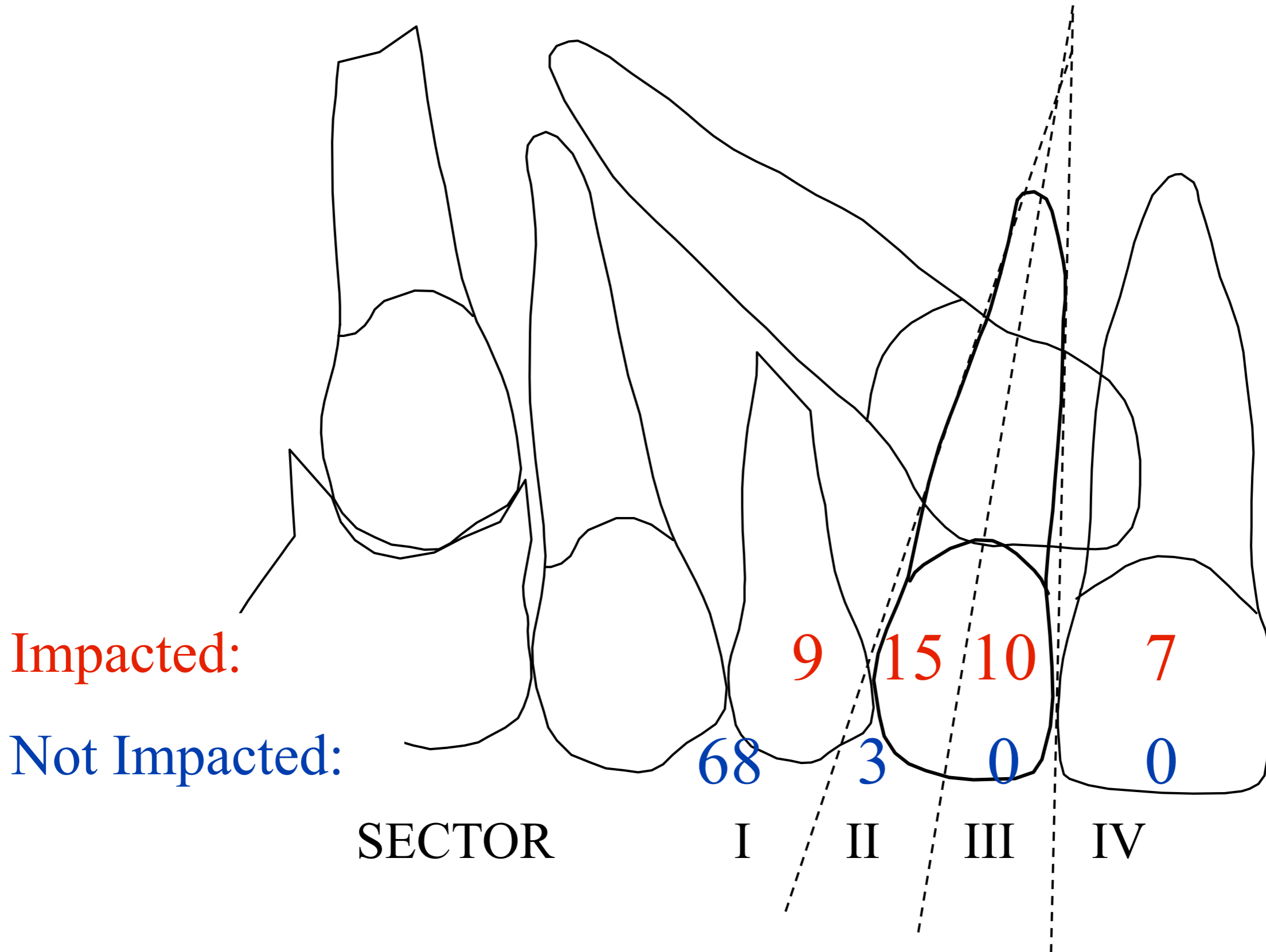


RESULTS

All Canines in Sectors III & IV became impacted
91% of Canines overlapping the lateral incisor
became impacted (II, III, & IV)



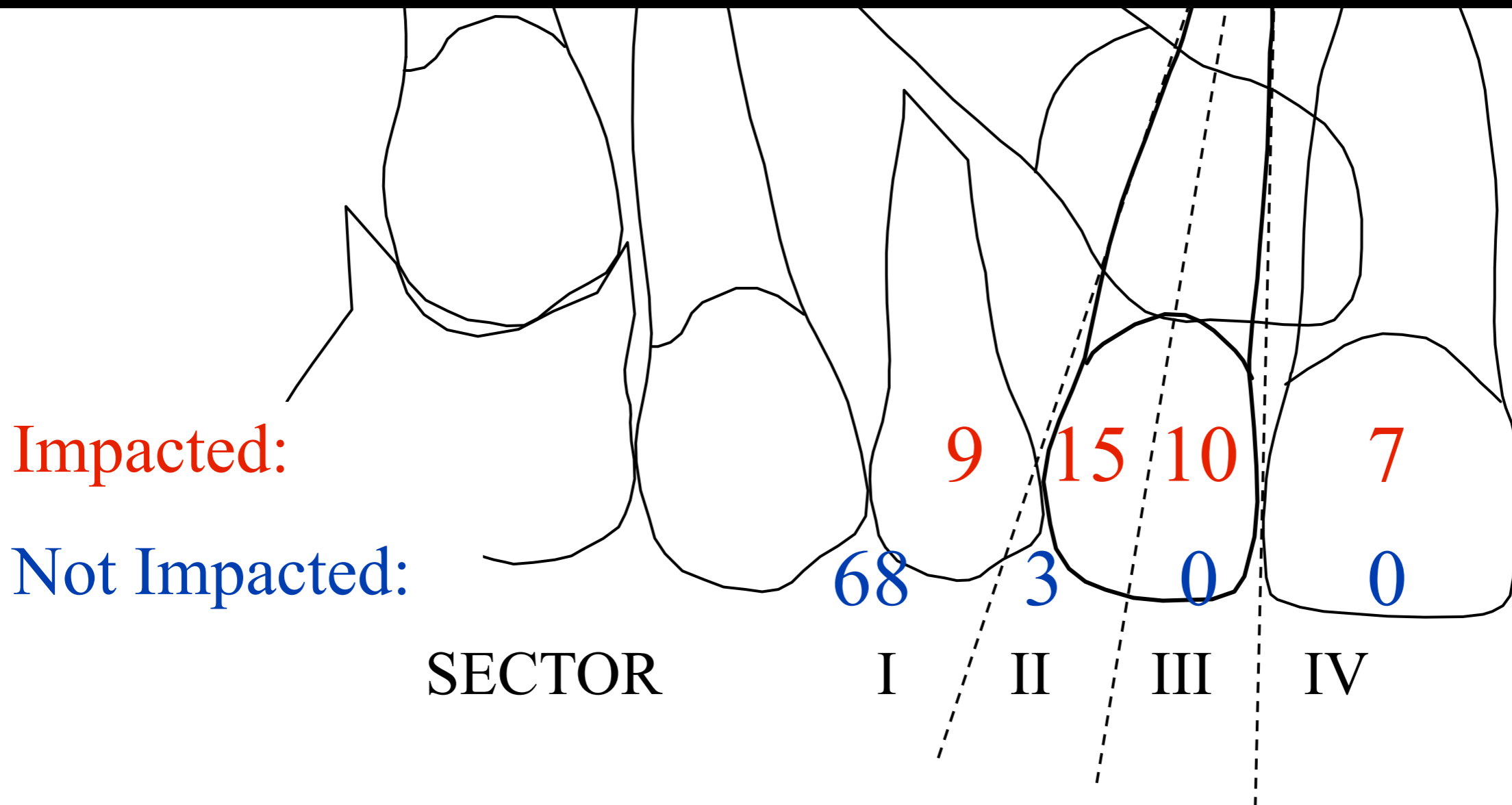
RESULTS



RESULTS

However, there were 9 canines in Sector I that also became impacted

and 3 in Sector II that did not.



Impacted:

Not Impacted:

SECTOR

68

9

3

15

0

10

0

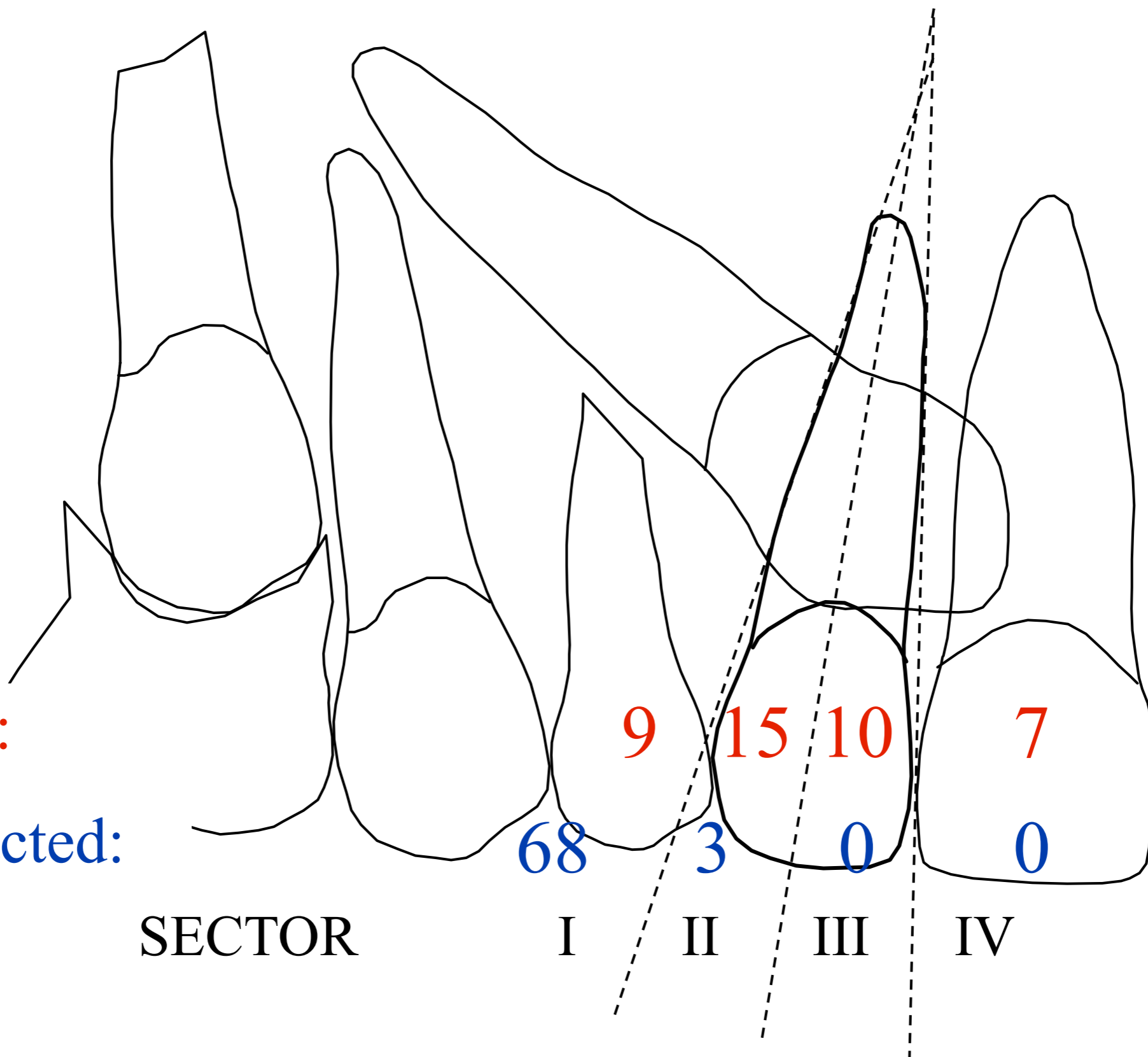
7

I

II

III

IV



CONCLUSION

32/41 (78%) of canines that will become impacted can be identified overlapping the lateral

68/71 (91%) of normally erupting canines can be identified not overlapping the lateral

