



# Dens In Dente & Dilaceration

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# Dens In Dente

- ❖ It is a rare dental anomaly.
- ★ This anomaly occurs when the enamel folds into the dentin during tooth development.





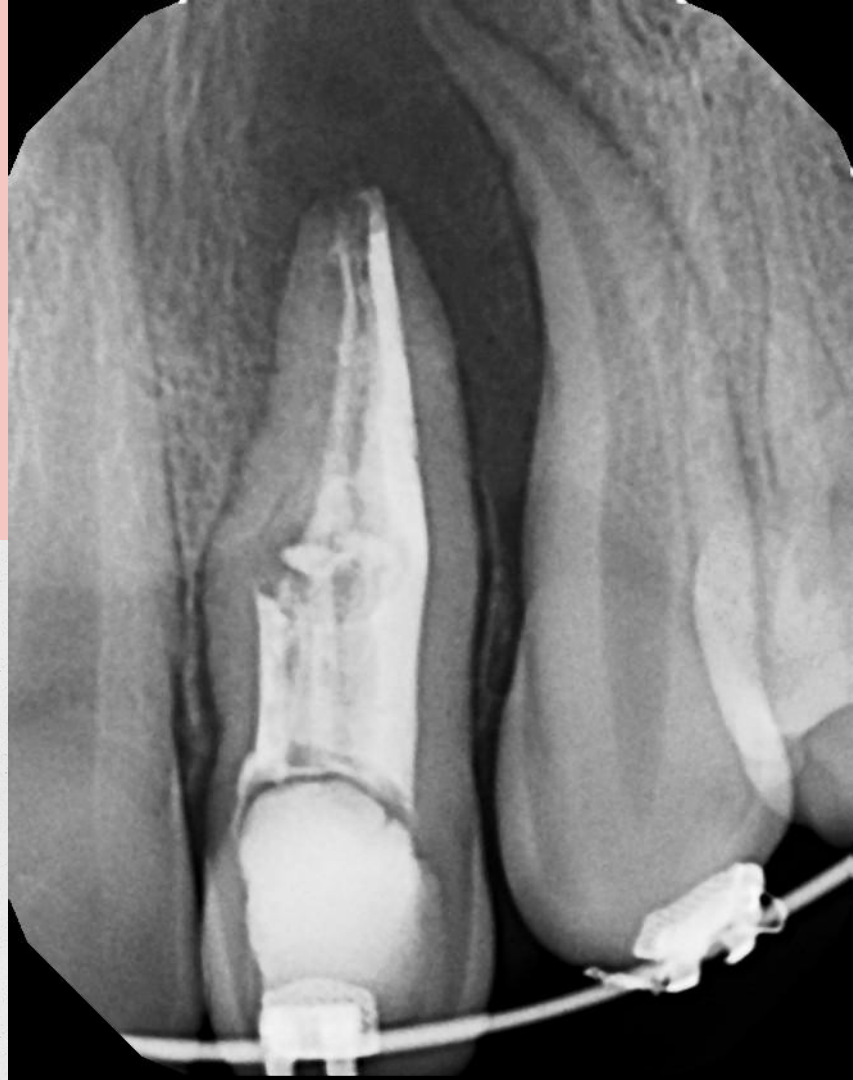
➤ It is also known as Dens Invaginatus.

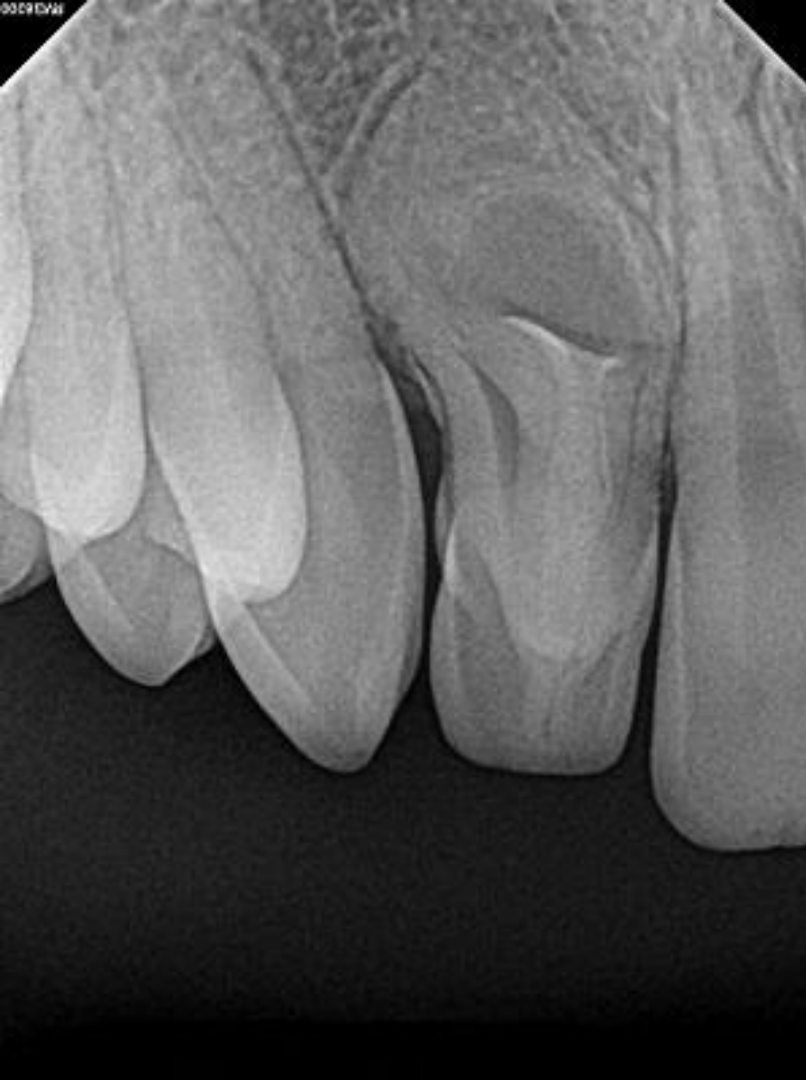
- ❑ Translates to “Tooth within a tooth” which is exactly how it looks like.

## Dens In Dente

→ Can occur in both permanent and deciduous dentitions.

- The maxillary lateral incisors are most commonly affected.





- ❖ Teeth affected by dens in dente may be malformed and peg-shaped.

- ★ Appears as a small tooth branching off a bigger tooth.

## Dens In Dente

➤ The space between the original tooth and the growth is especially vulnerable to cavities.

❑ X-rays Is the most common method to diagnose Dens in Dente.



- In minor cases, sealing the crevice with composite resin or sealant may solve the problem.

→ In more serious cases where the pulp has been infected, root canal treatment may be indicated.



# Dilaceration

- Developmental abnormality that occurs when the tooth's root bends or curl instead of growing straight.
  
- ❖ Considered acute when the root bend 90 degrees or more from the axis of the tooth.







❑ Occurs mostly on posterior teeth.

→ Can be found in both permanent and deciduous teeth.

## Dilaceration

→ Can occur due to trauma, delayed tooth eruption and the manner of tooth development.

★ Certain conditions, such as Smith-Magenis and Axenfeld-Rieger syndrome, as well as family history can increase the risk of acute root curvature.





★ X-rays is the most common method to diagnose Dilaceration.

➤ An Endodontist, or a root specialist , is typically involved in treatment.

## Dilaceration

- ❖ Cyst or tumors can also be a risk factor.

- ★ A root canal and full cleaning within the tooth are essential if the curve is severe.



# References

## Dens In Dente:

1. <https://www.magnoliaendo.com/very-unusual-tooth/>
2. <https://maplespub.com/article/ENDODONTIC-TREATMENT-OF-TWO-MAXILLARY-INCISORS-WITH-DENS-INVAGINATUS>
3. <https://www.colgate.com/en-us/oral-health/life-stages/adult-oral-care/what-is-dens-in-dente>

## Dilaceration

1. <https://www.juniordentist.com/unique-shaped-root-canals.html>
2. <https://www.colgate.com/en-us/oral-health/basics/mouth-and-teeth-anatomy/what-is-tooth-dilaceration-->

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