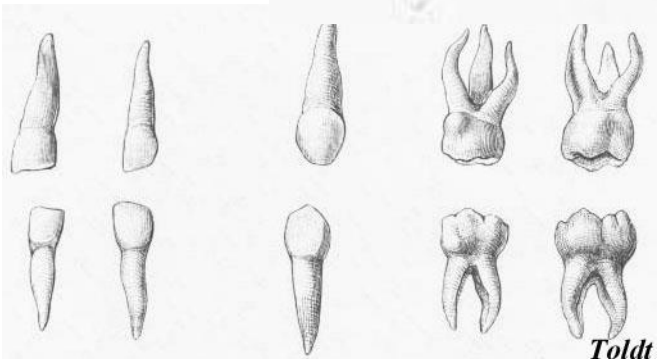
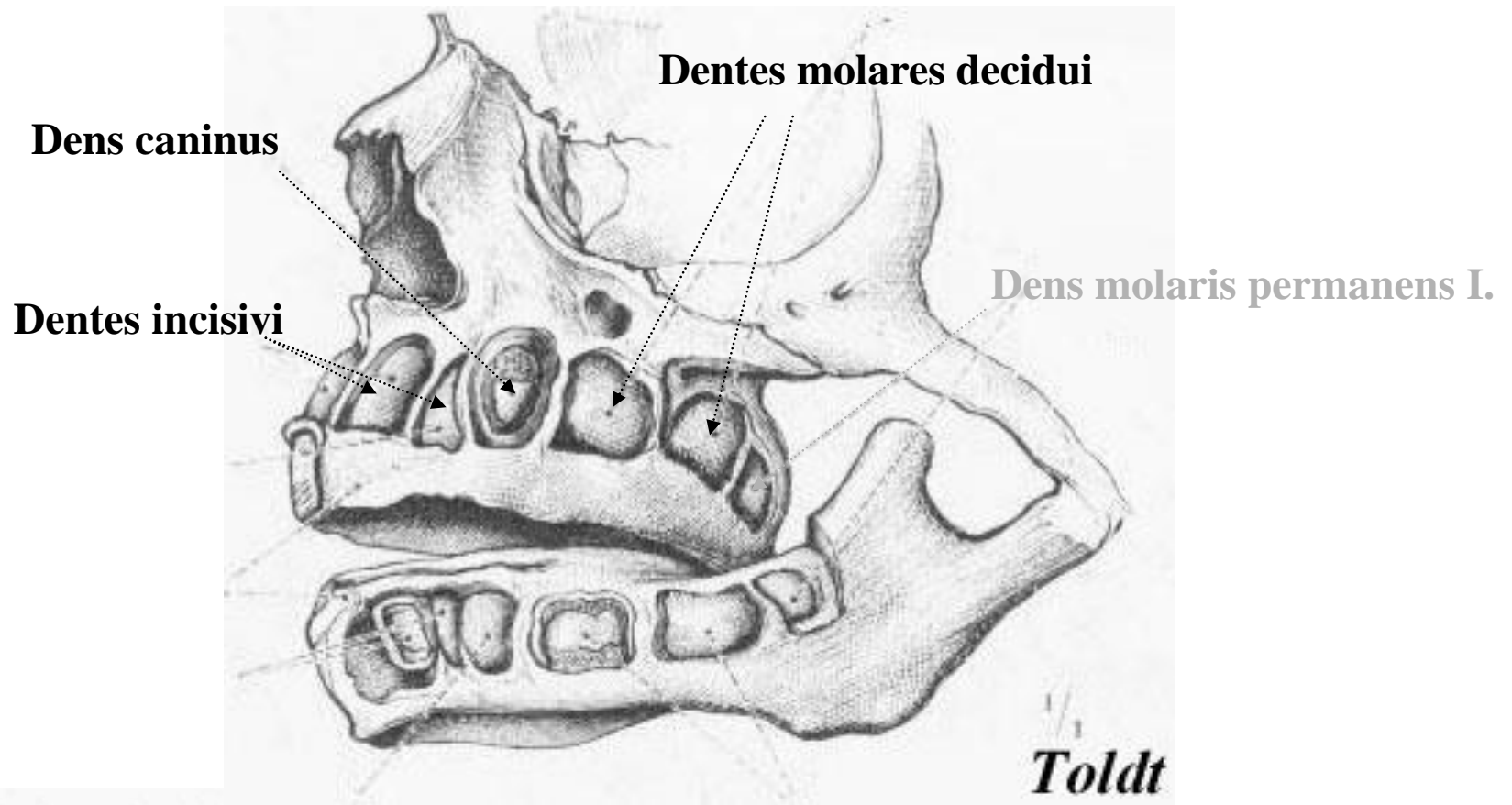
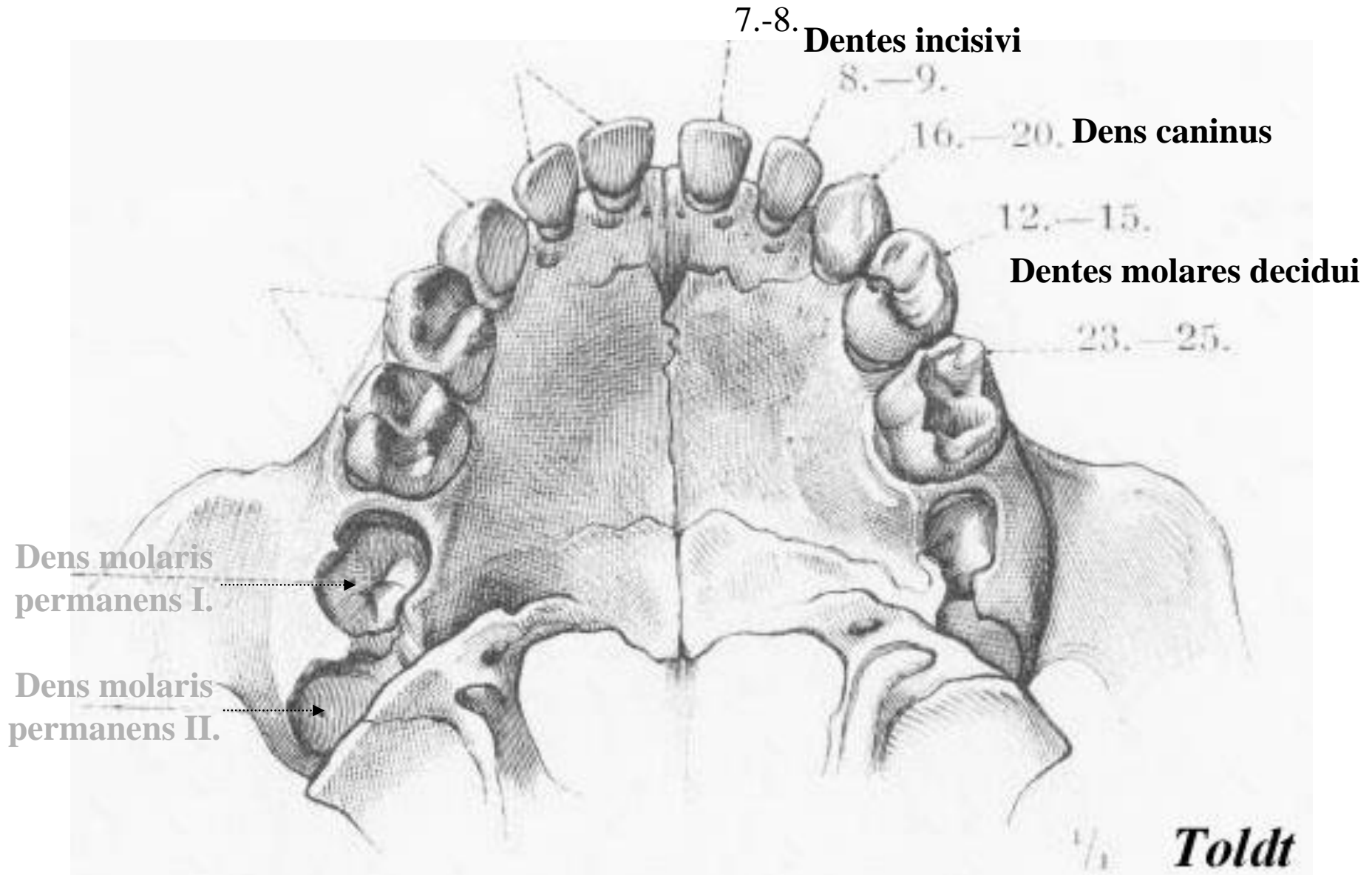


# Histologie der Zähne und der Zunge

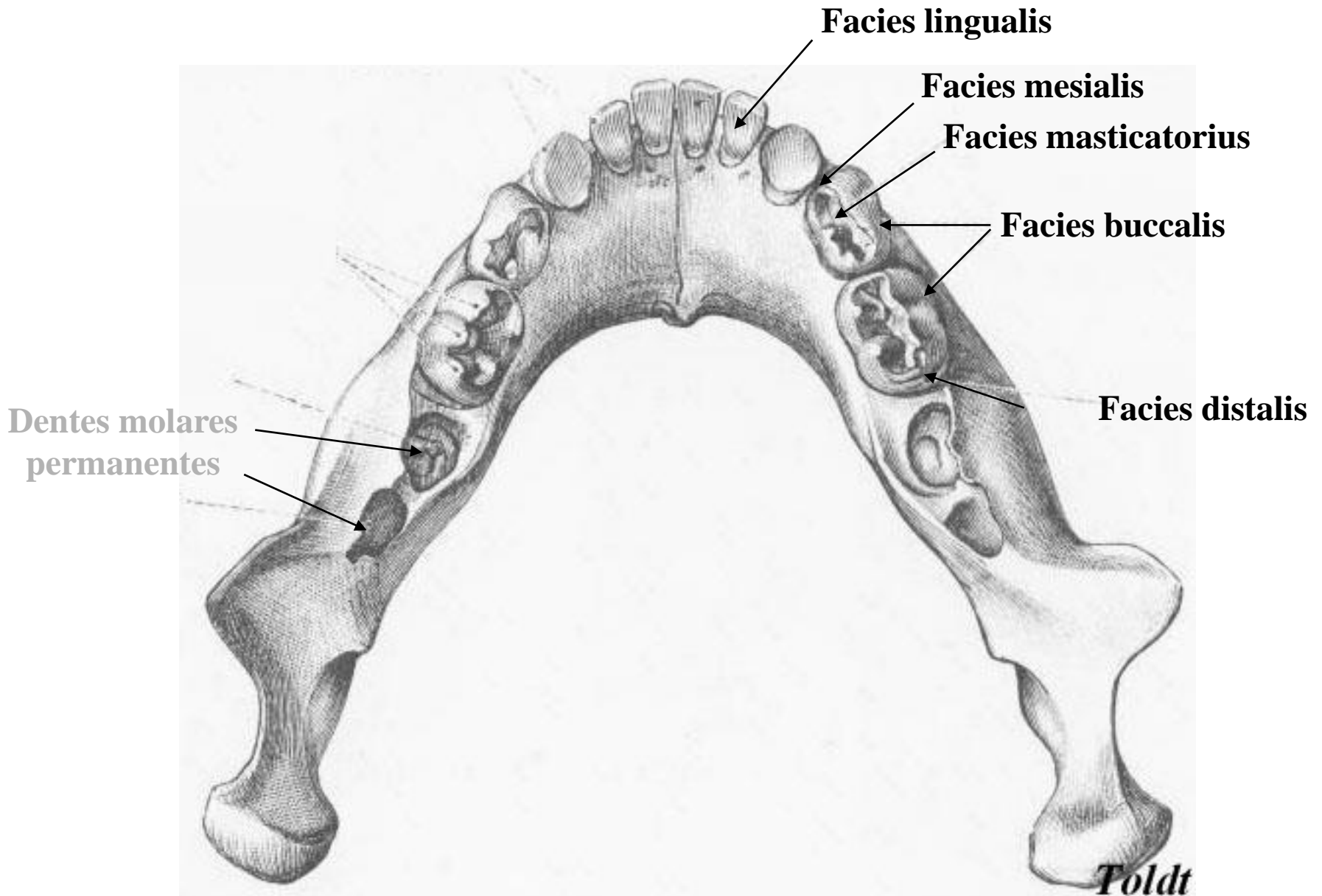
# Dentes decidui – Zähne, Zahnsäckchen



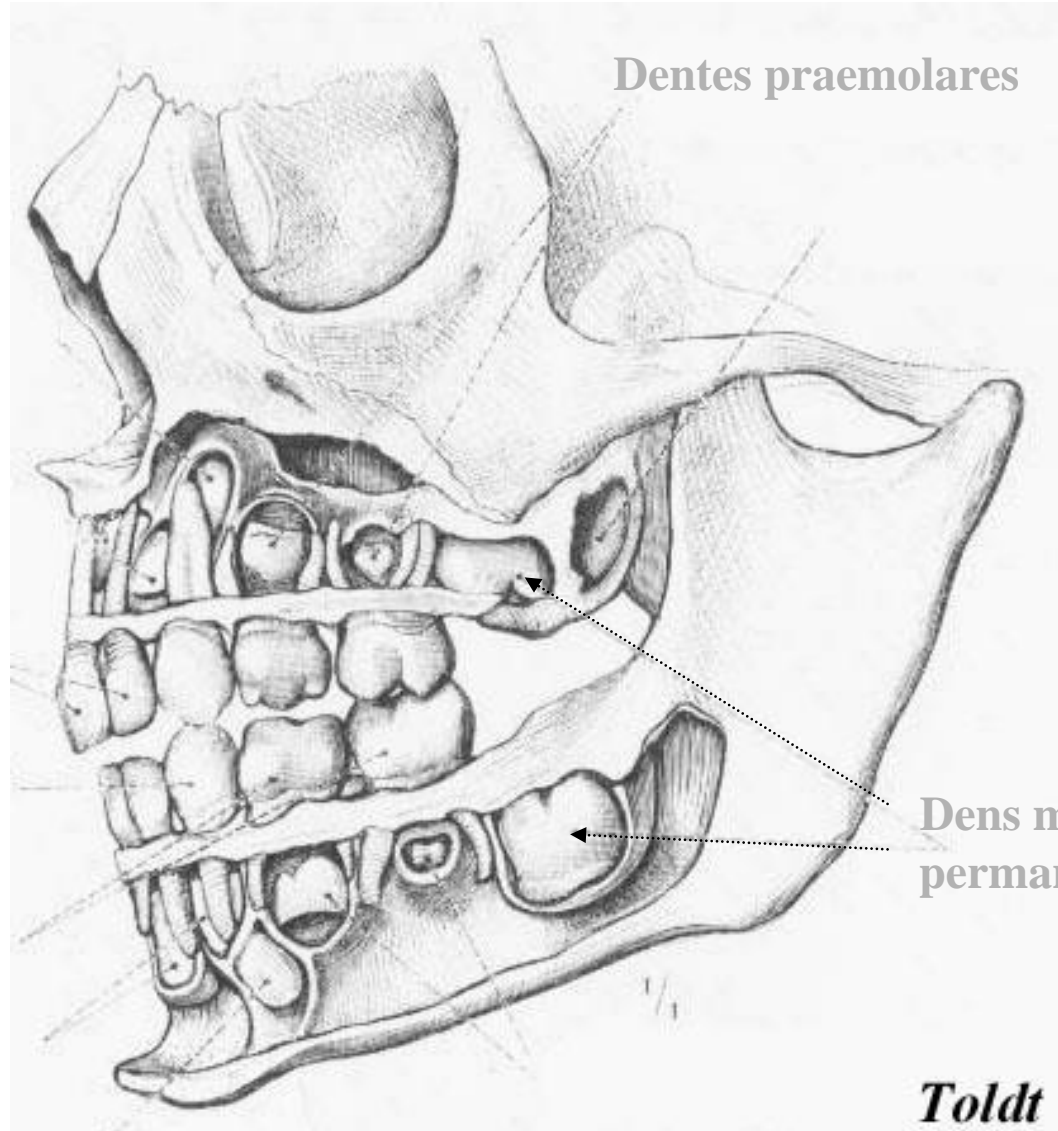
# Dentes decidui – Durchbruch der Zähne im Oberkiefer



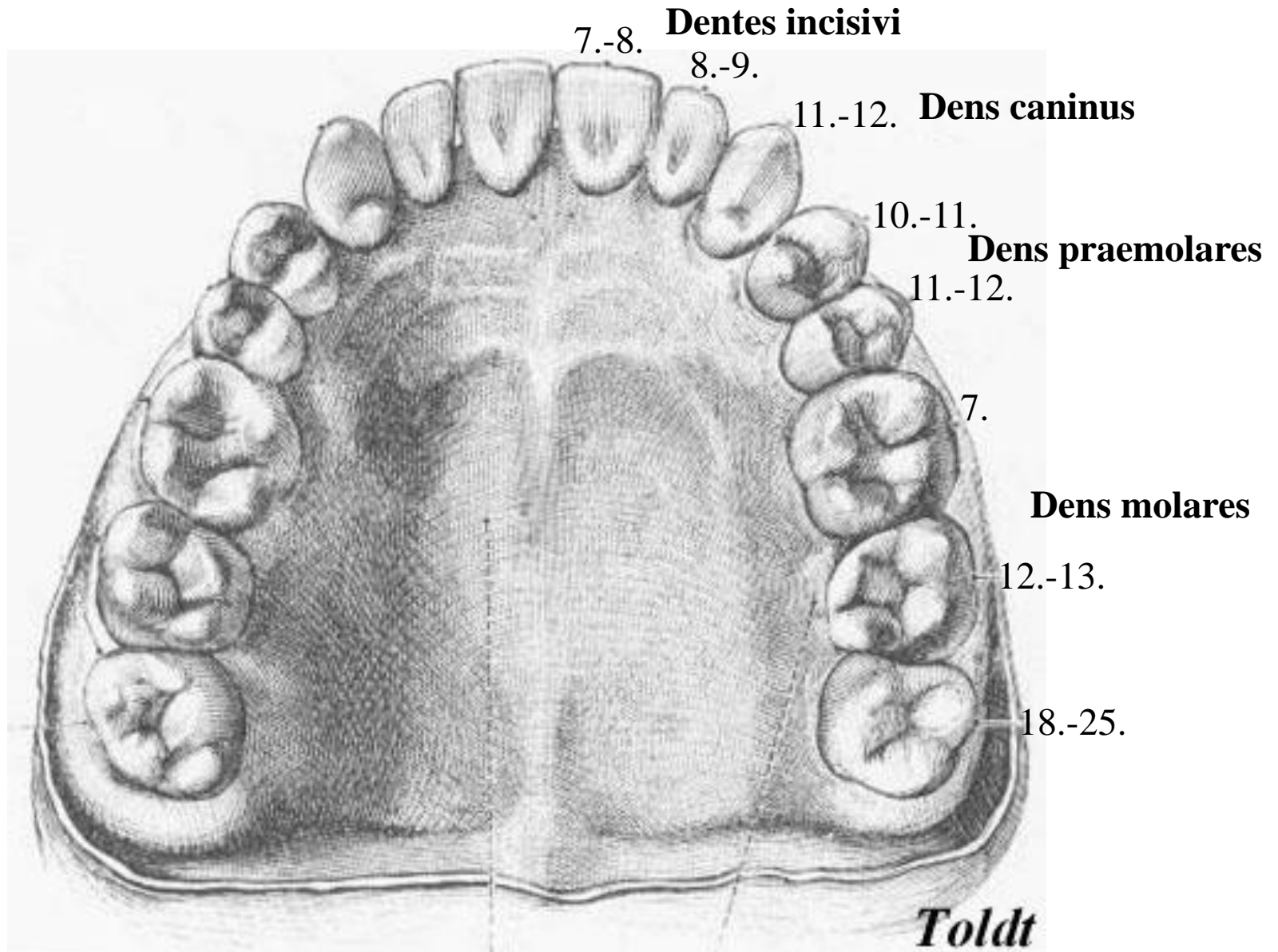
# Dentes decidui – Oberfläche der Zähne im Unterkiefer



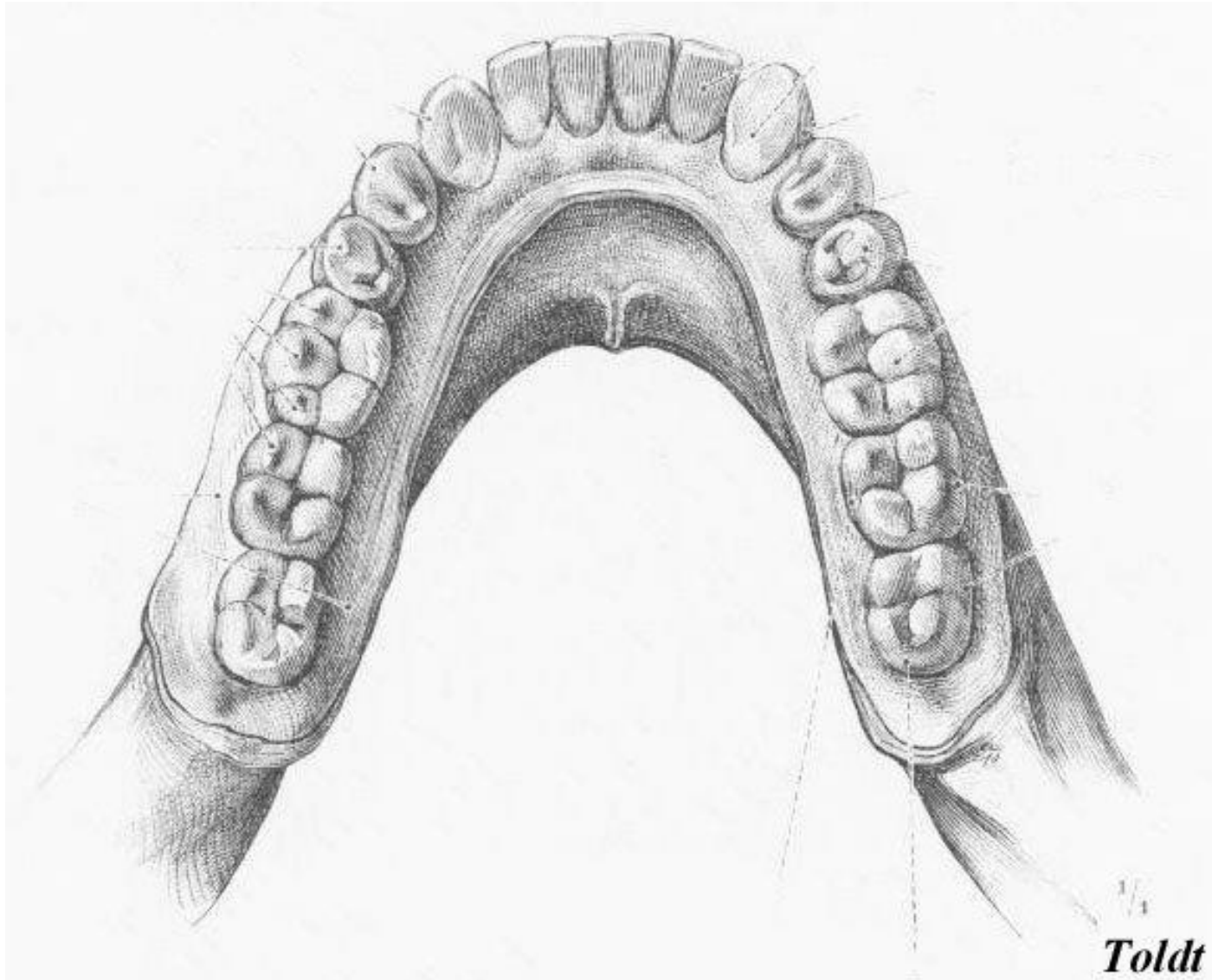
# Dentes decidui – ihre Lage im Verhältnis zu den permanenten Zähne



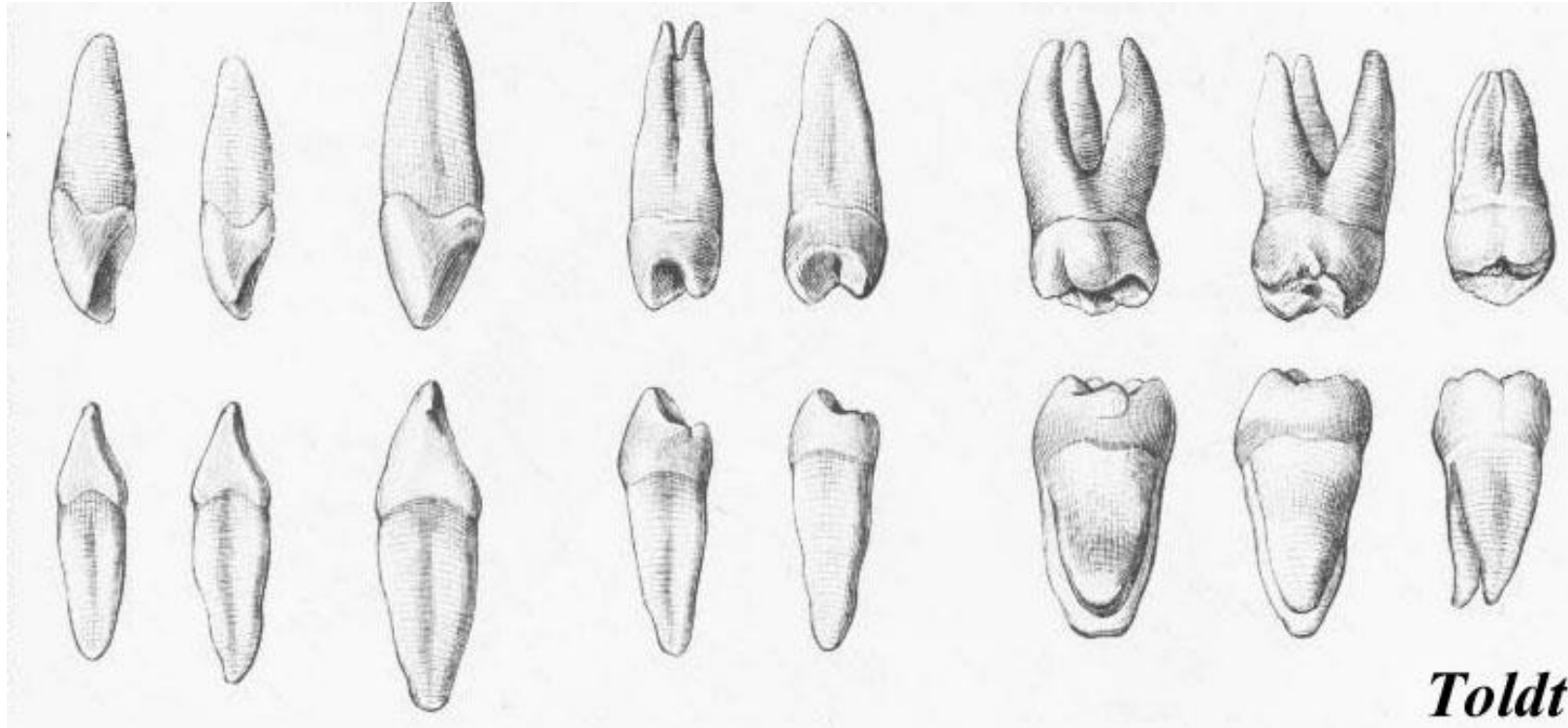
# Dentes permanentes – Durchbruch der Zähne im Oberkiefer



# Dentes permanentes – die Lage der Zähne im Unterkiefer



# Dentes permanentes aus der Richtung der Zunge gesehen



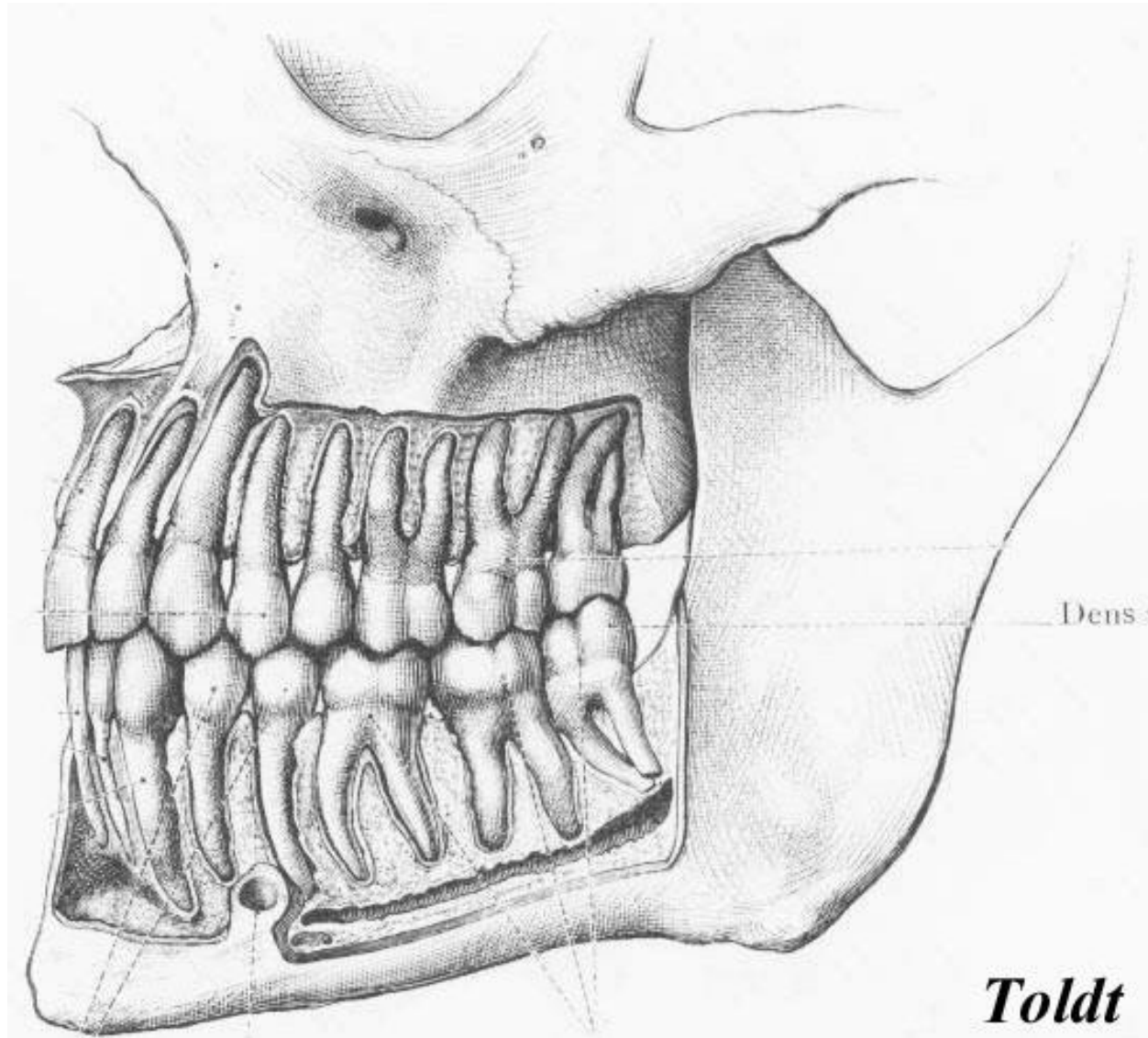
*Toldt*

Name	Dentes incisivi	Dens caninus	Dentes praemolares	Dentes molares
Wurzel	1	1	1 (↑4-es lehet 2)	↑2B1P
Wurzelkanal	↑1, ↓2	↑1, ↓2	↑2, ↓1	↑ 3; ↓1M1D
Höcker			1B, 1L(P)	↑ 2B1P(+1); ↓2B2L(+1)
	schneiden	„Fangzähne“ Eckzähne	Mahlen Caries	Fein mahlen

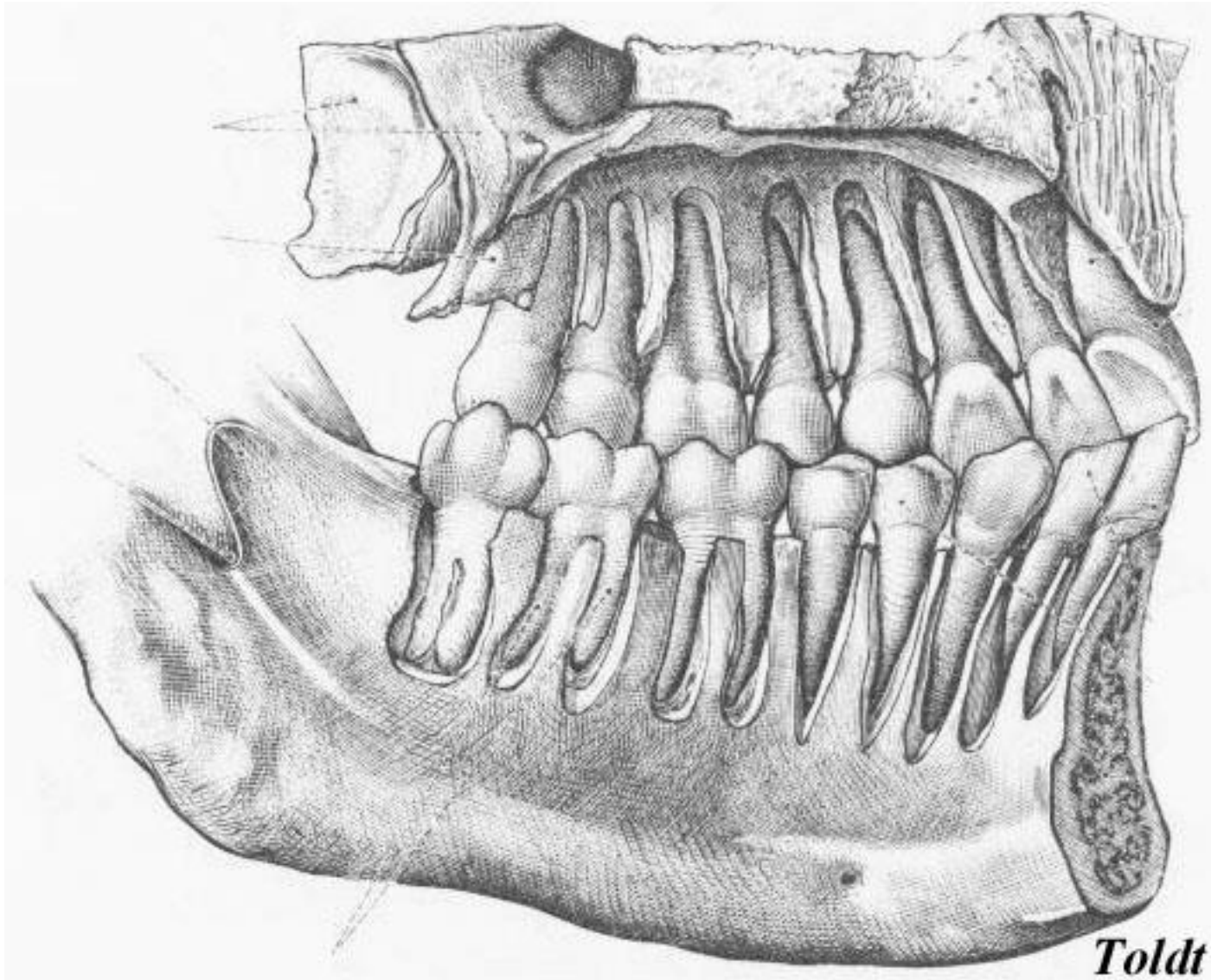


# Dentes permanentes (von außen)

*Occlusio. Spee-Kurve*



# Dentes permanentes (von innen)

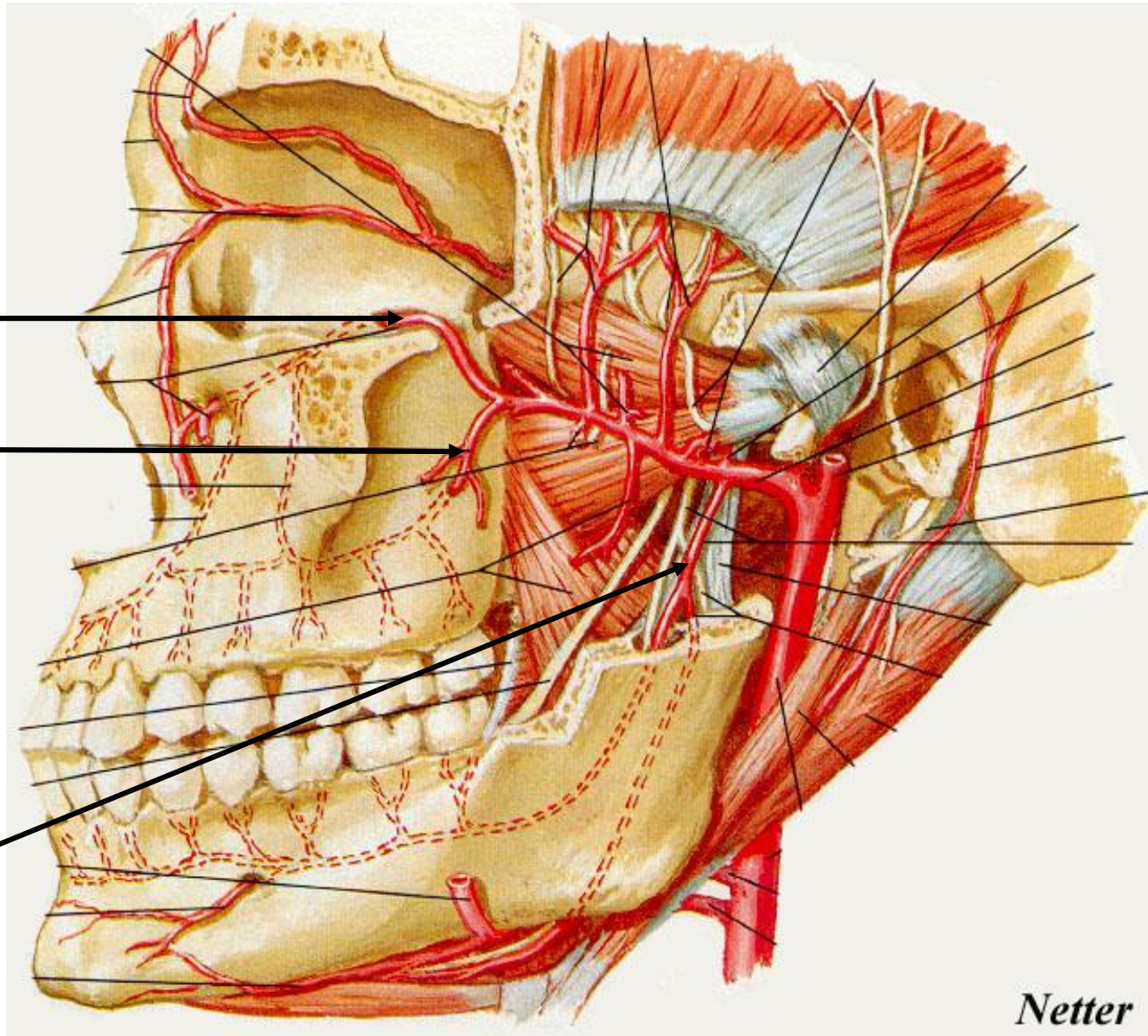


# Blutversorgung der Zähne

**A. infraorbitalis**

**Aa. alveolares postt. supp.**

**A. alveolaris inf.**

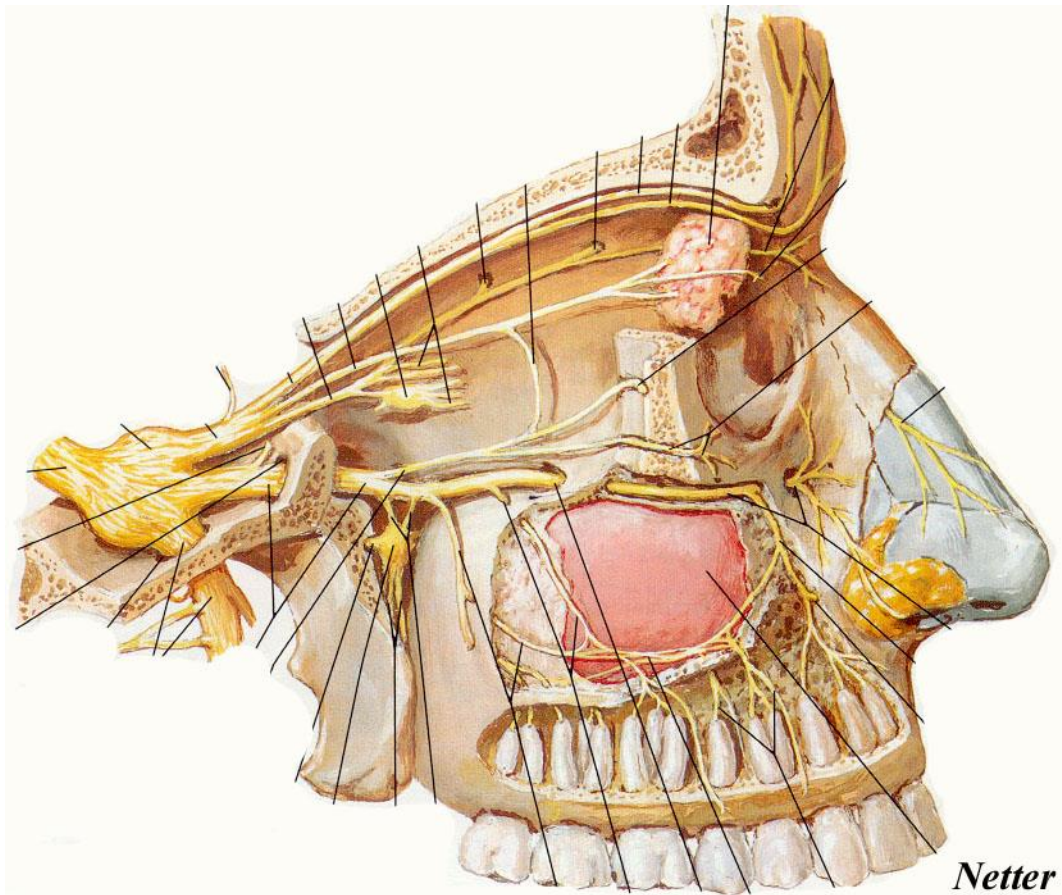




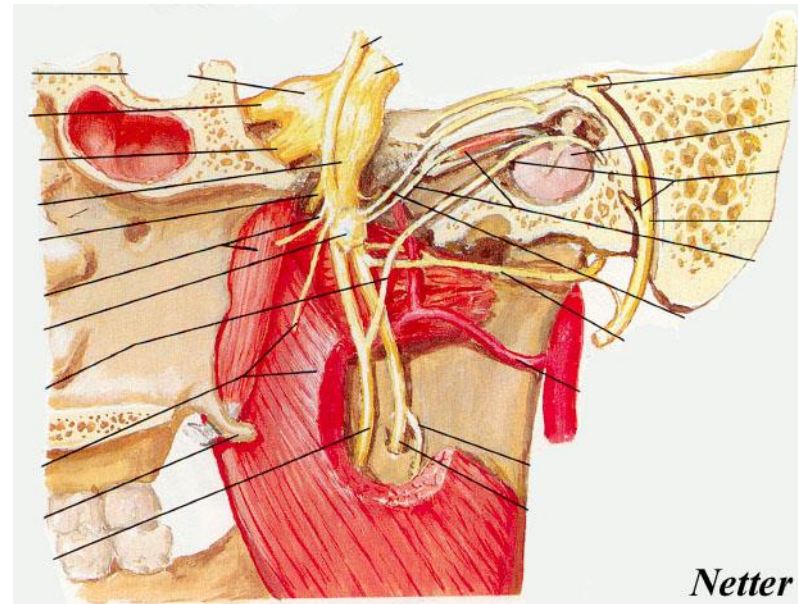


# Innervierung der Zähne

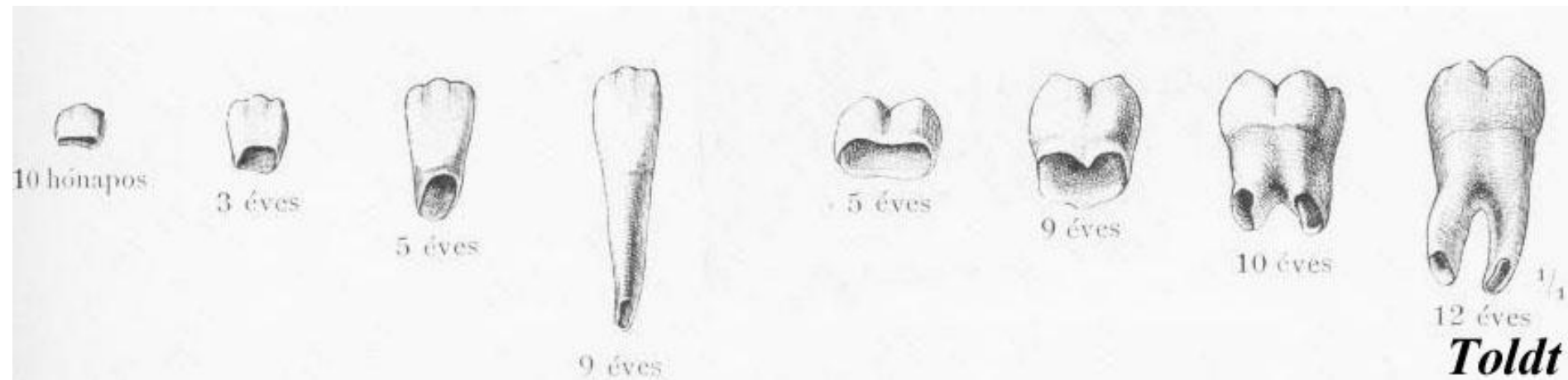
## N. infraorbitalis - Plexus dentalis superior



## N. alveolaris inferior Plexus dentalis inferior



# Dentes permanentes – Entwicklungsstadien

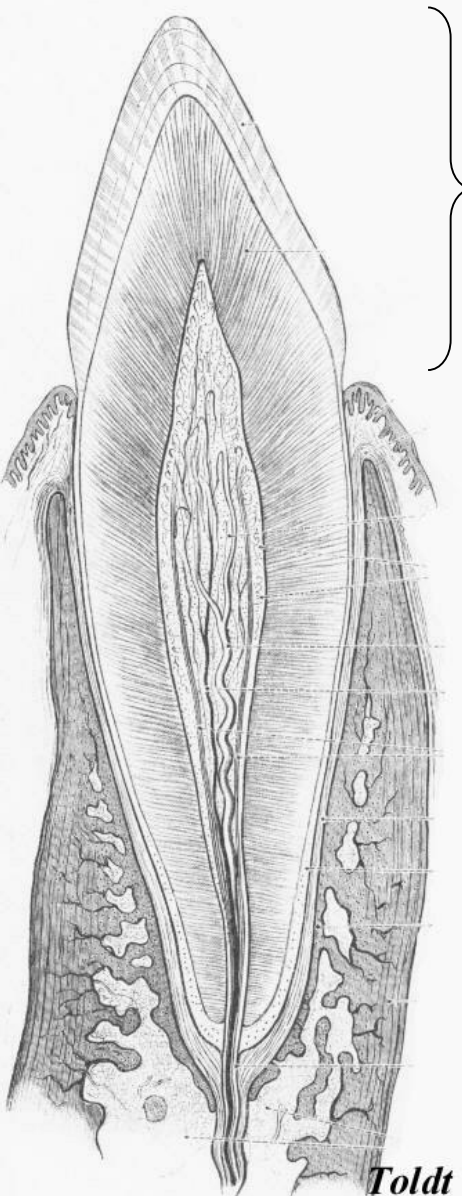


**Untere laterale Schneidezahn**

**Zweite untere Mahl Zahn**



# Aufbau der Zahn

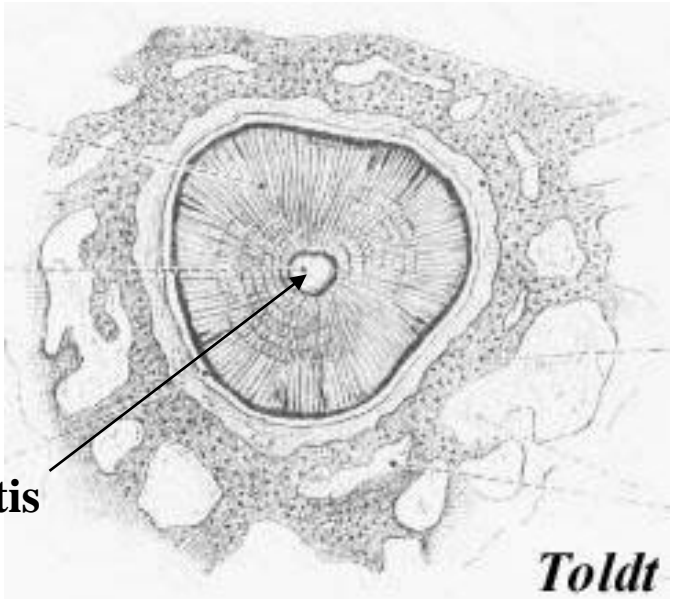


**Corona dentis**

**Collum dentis**

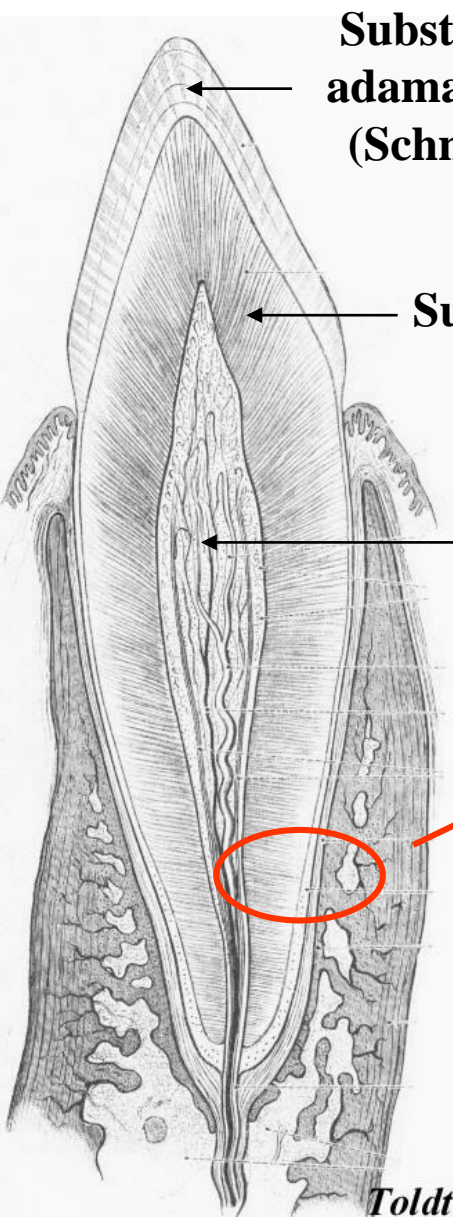
**Radix dentis**

**Canalis radicis dentis**



*Toldt*

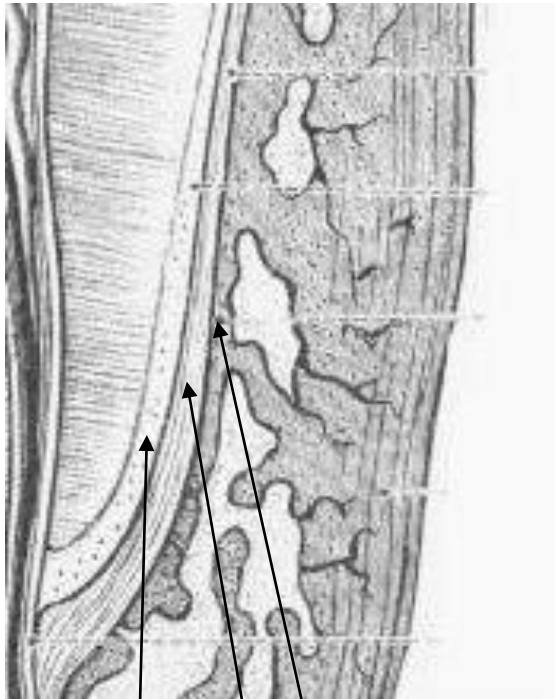
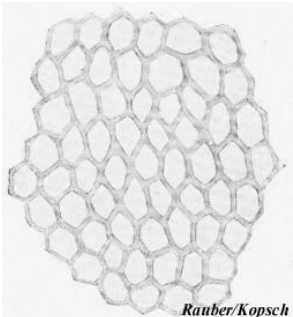
# Aufbau der Zahn



**Substantia adamantina (Schmelz)**

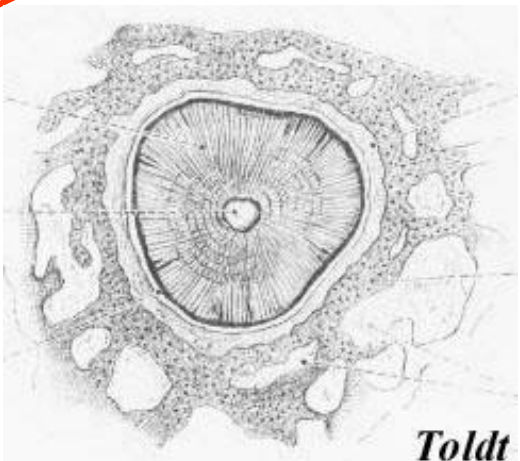
**Substantia eburnea (Dentin)**

**Pulpa dentis**



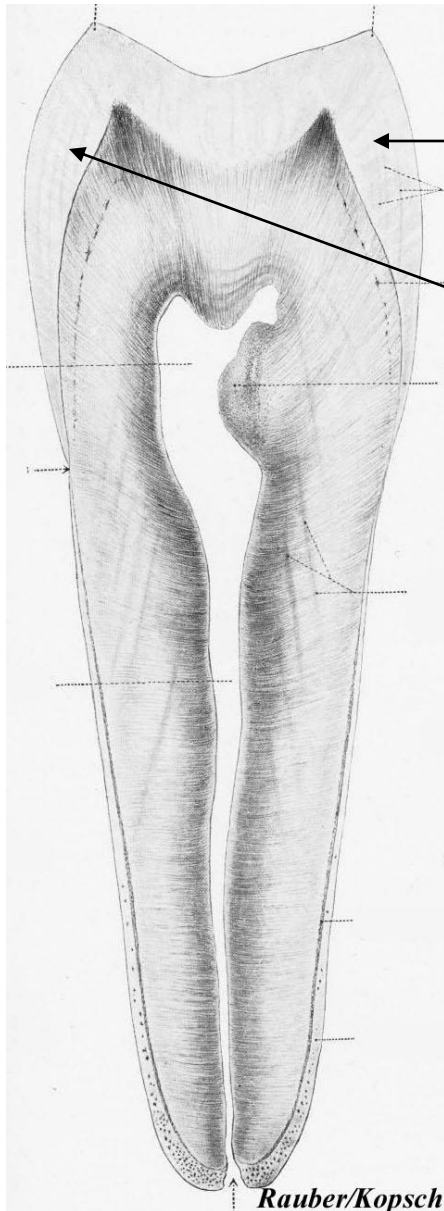
**Alveolus dentalis**  
**Periodontium**

**Substantia ossea dentis (cementum)**





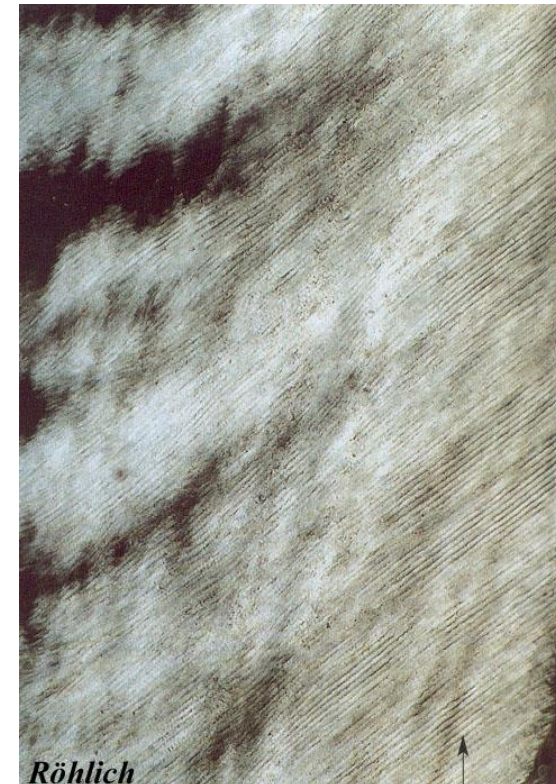
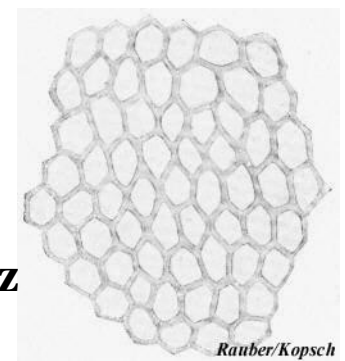
# Aufbau der Zahn - Schmelz



**Hunter-Schreger Streifen**

**Apatitkristallen und die  
interprismatische Substanz**

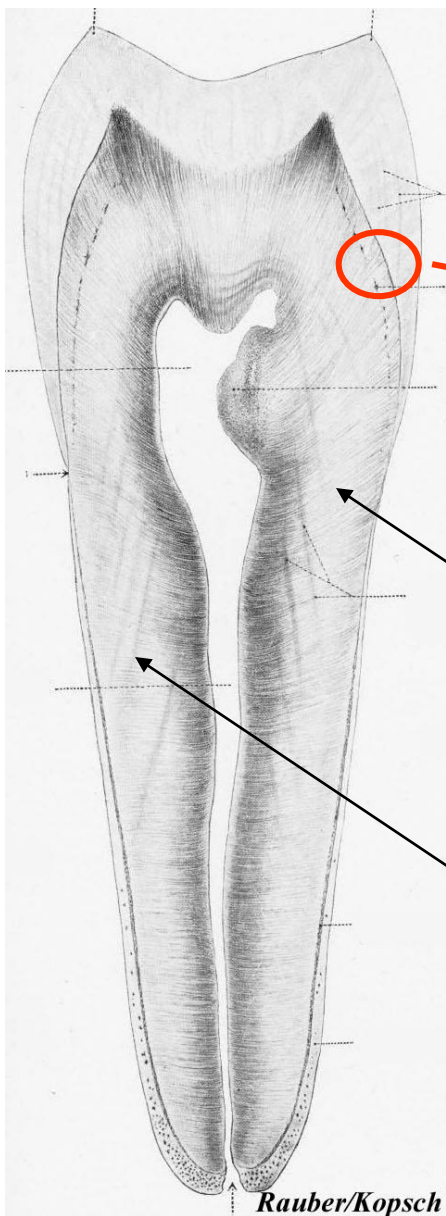
**Retzius-Streifen  
(Stadien der Amelogenese,  
rhythmische Verkalkung)**



# Aufbau der Zahn - Dentin

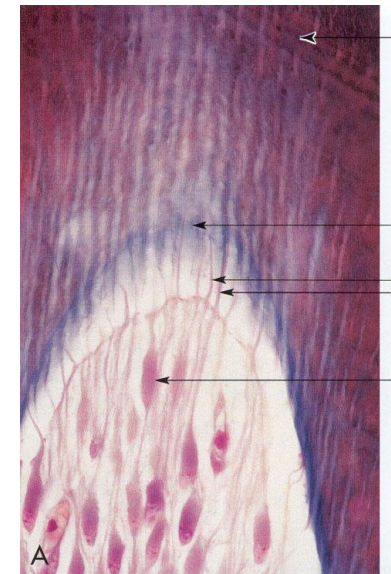
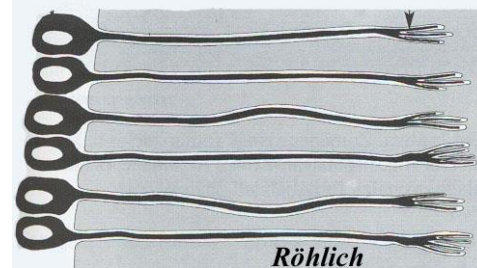
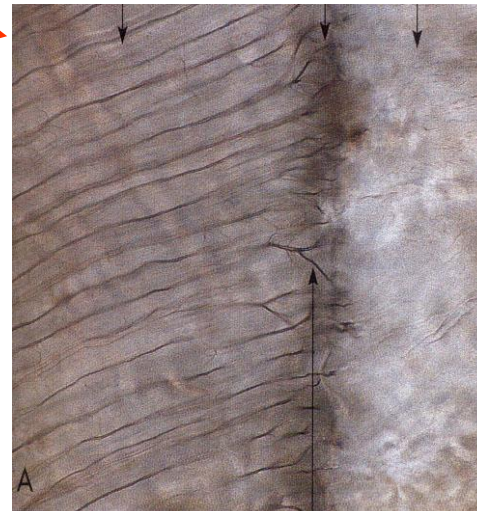
**70% anorganisch (Apatitkristallen)**

**30% organisch (Kollagen, Mukopolisaccharide)**



**Thomes-Fasern  
Owen-Linien**

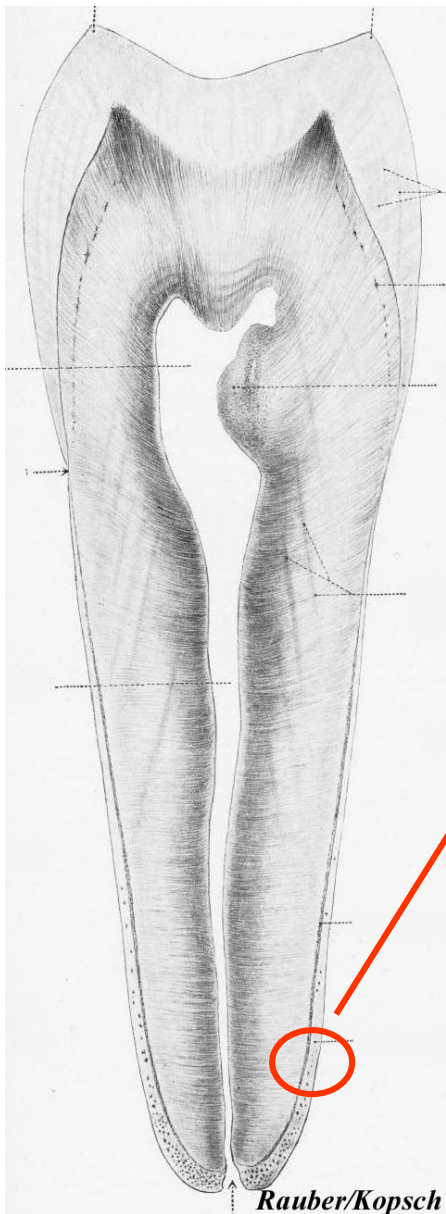
**Owen-Linien  
(Wachstumslinien)**





# Aufbau der Zahn - Zement

- avaskulär, knochenhart
- Zementoblasten
- Zahnregulierung



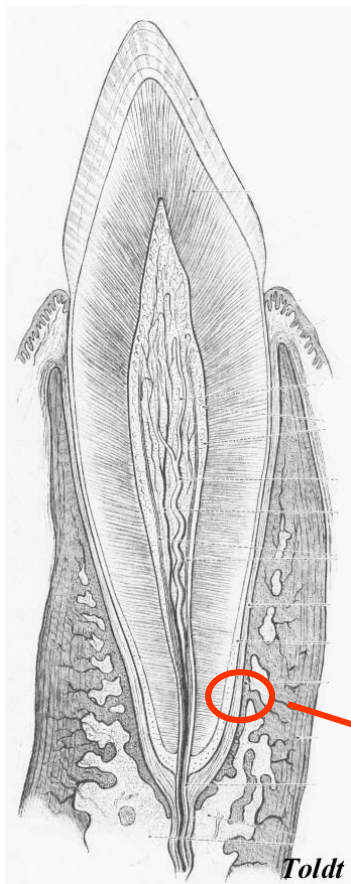
Zementzellen



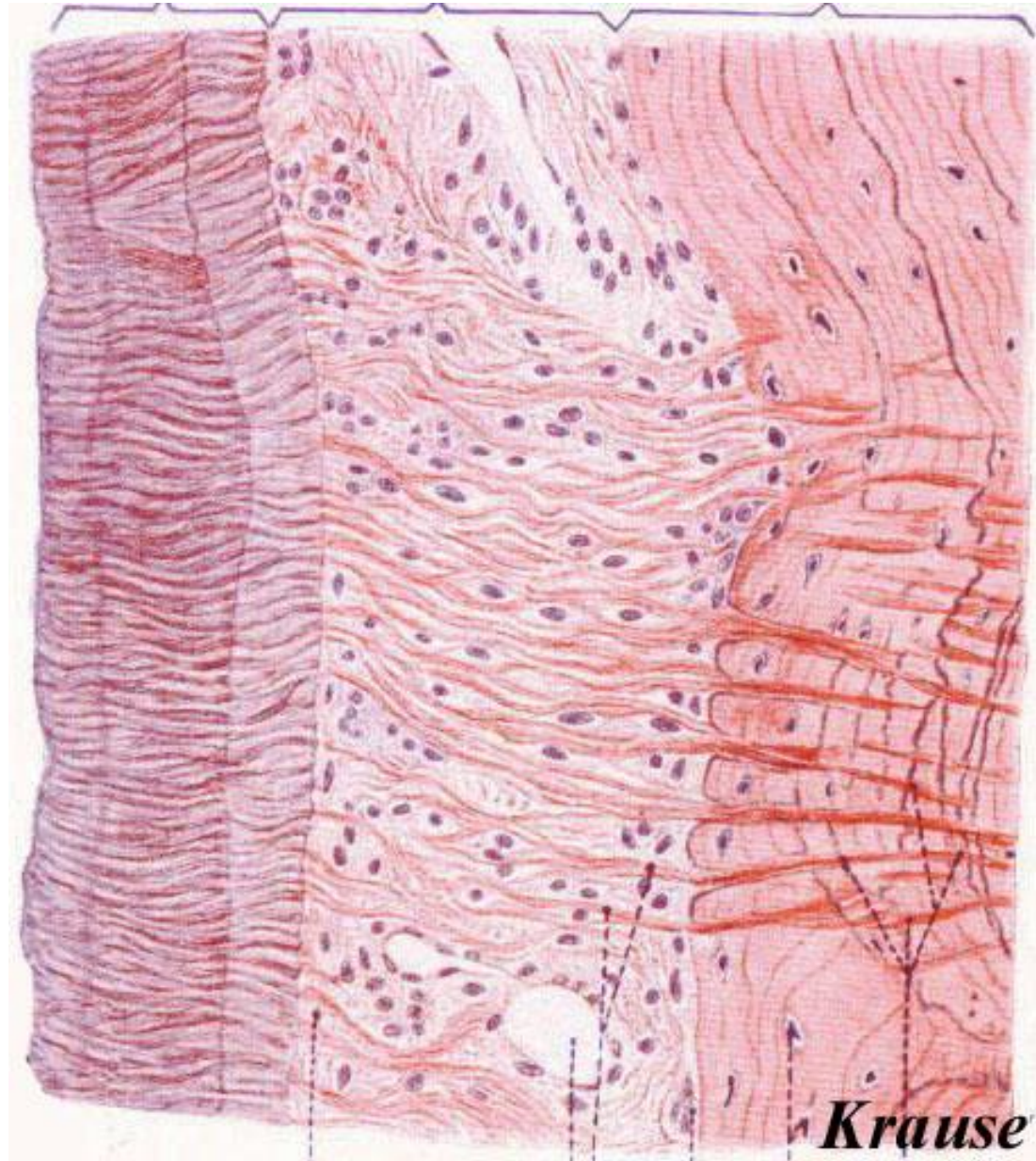
Röhlich



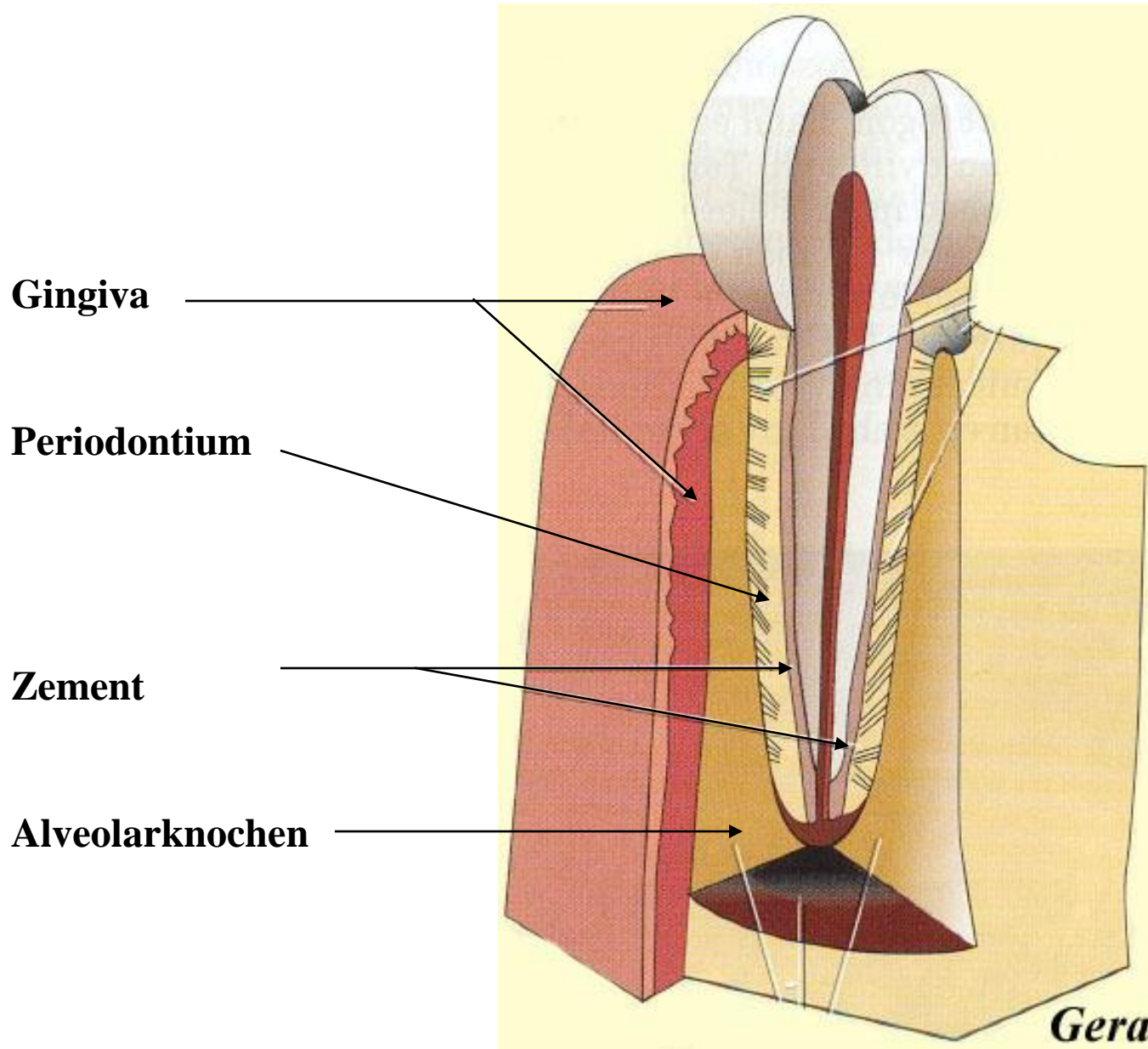
# Aufbau der Zahn - Periodontium



**Sharpey-Fasern**

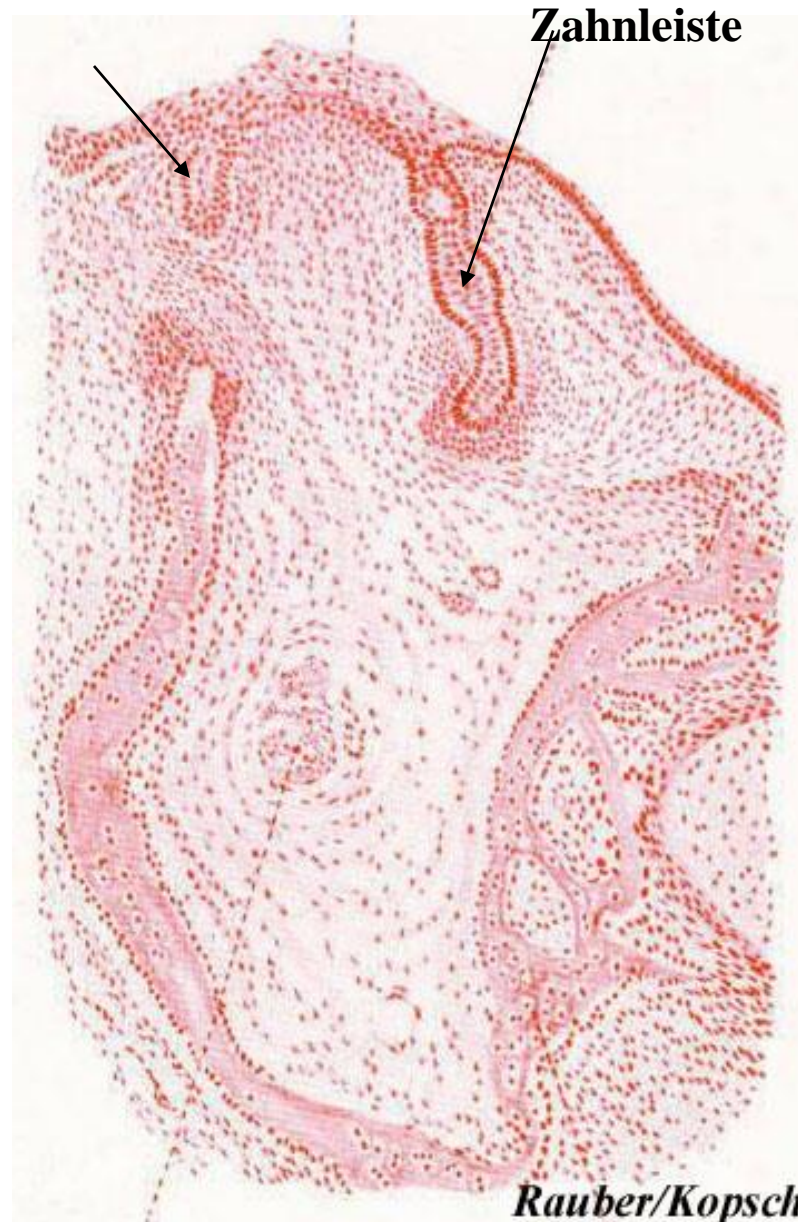


# Aufbau der Zahn - Parodontium (Zahnhalteapparat, Zahnbett)

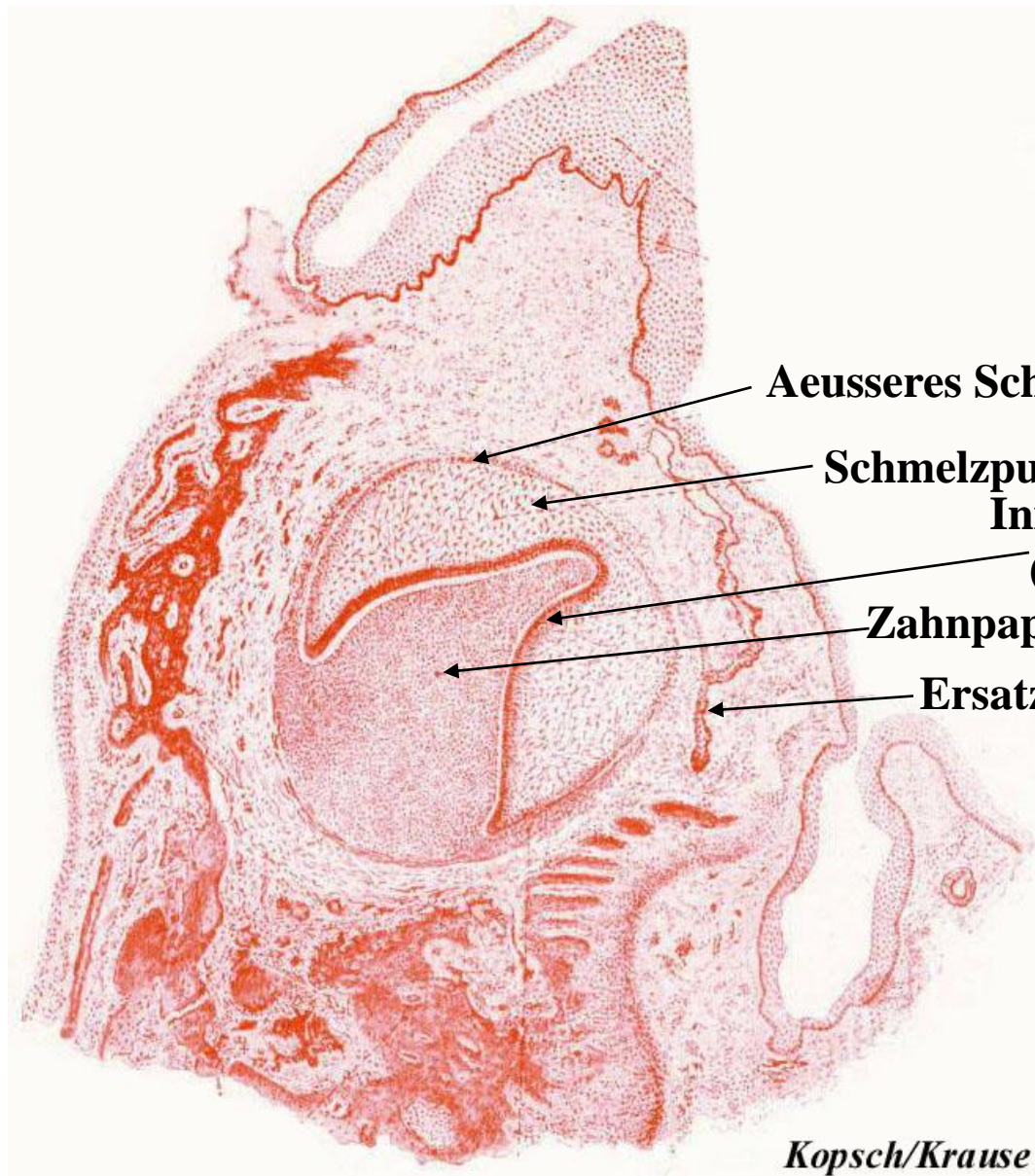




# Entwicklung und Histologie der Zahn



# Entwicklung und Histologie der Zahn



**Äusseres Schmelzepithel**

**Schmelzpulpa**

**Inneres Schmelzepithel**

**(Adamantoblasten)**

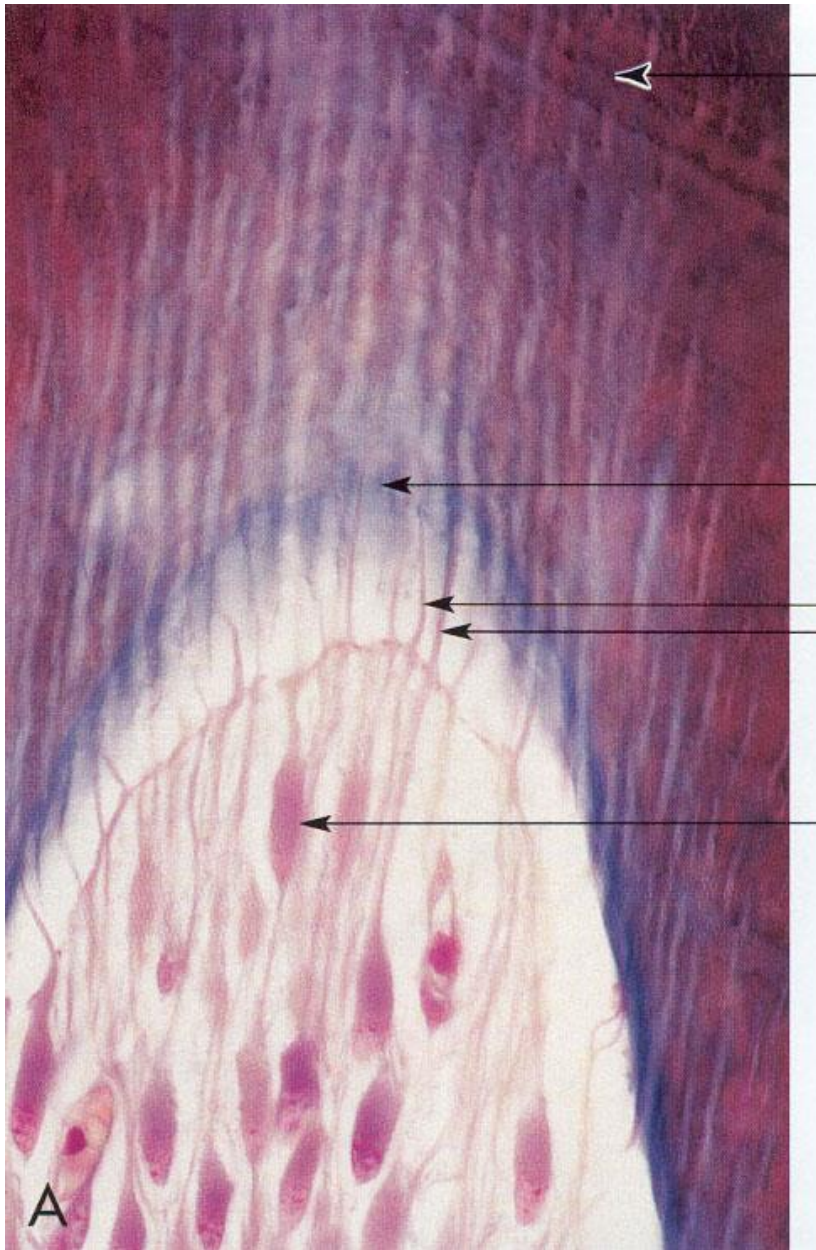
**Zahnpapille**

**Ersatzzahnleiste**

*Kopsch/Krause*



# Entwicklung und Histologie der Zahn



Dentin

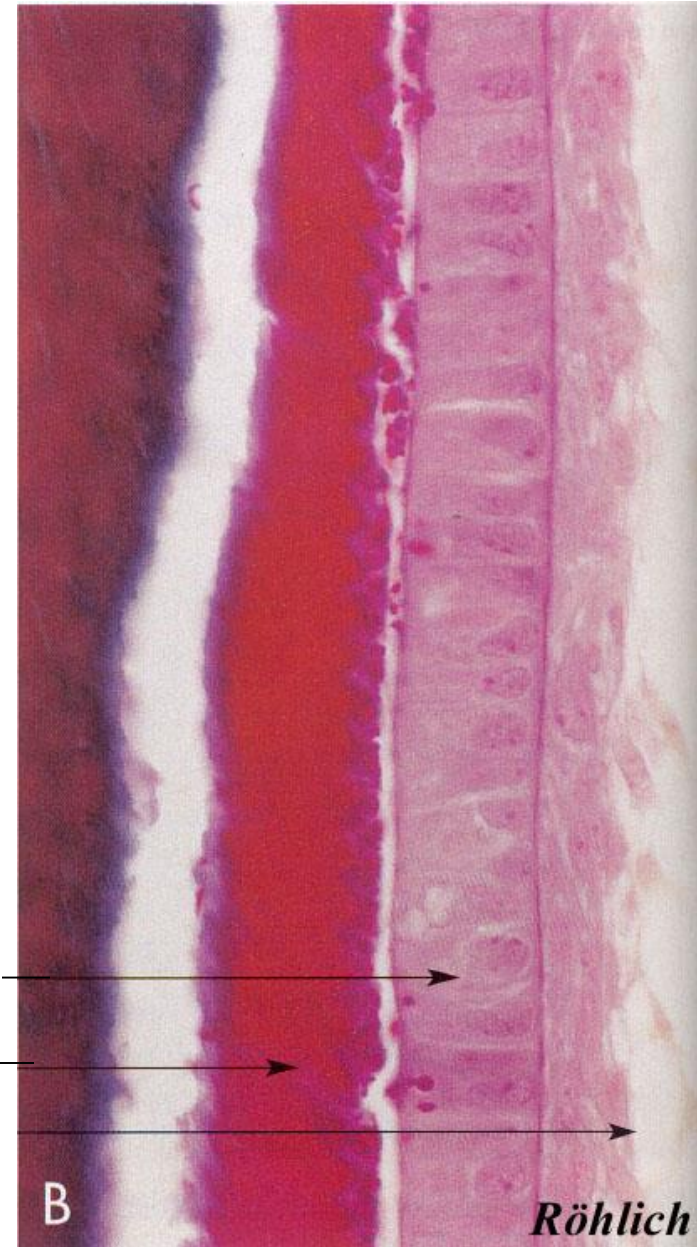
Praedentin

Odontoblasten

Adamantoblasten

Schmelz

A



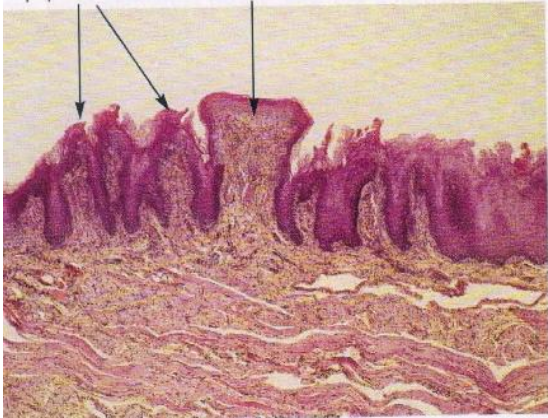
B

Röhlich



# Zungenpapillen

**Papillae filiformes et  
Papillae fungiformes**



**Papillae circumvallatae**



**Papillae foliatae**

