



Oral Cavity

Lips

- Vermilion border – transition zone between mucous membrane and skin
 - o Mucocutaneous junction – boundary between vermilion border and skin
 - o Wet dry line – boundary between vermilion border and mucous membrane
- Nasolabial groove – groove from nose to commissure
- Philtrum – groove between nose and upper lip

Tongue

- Dorsum (top side) – papillae vary in size with location, used for taste

Mouth Roof

- Palatine Raphe – line of union of right and left maxillae
- Palatine rugae – tactile sensing of objects, aid in tongue placement

Soft Palate

- Fovea palatinae – pits in soft palate on either side of center line, opening of ducts for palatine glands

Mouth Floor

- Wharton's duct – main excretory duct of submandibular gland
- Bartholin's duct – main excretory duct of sublingual gland

Cheeks

- Stensen's duct – main excretory duct of parotid gland, opens near maxillary 1st molar

Oral Mucosa

1. Masticatory – tightly held down, hard palate, gingiva
2. Lining – not tightly held down
3. Specialized – covering tongue (papillae and taste buds)

Terms

Coronal Plane – medio-lateral, separates front/back

Sagittal Plane – antero-posterior, separates side/side

Comminution – to crush into small pieces

Primate space – in **primary** dentition of all primates, allows space for permanent dentition eruption

- Between maxillary incisor and canine
- Between mandibular canine and 1st molar

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- Incisors – cutting/incising
- Canine – cutting, tearing, piercing, holding
- Premolars – tearing, holding, grinding
- Molars – grinding

Teeth Outlines and Shapes

- Anterior Teeth – Mesial/Distal = triangle, Labial/Lingual = trapezoid (long side = incisal)
- Posterior Teeth – buccal/lingual = trapezoid (long side = incisal)
 - o Maxillary Mesial/distal = trapezoid (long side = cervical)
 - o Mandibular mesial/distal = rhomboid

Primary Dentition (pg 52)

<i>Maxillary Arch</i>	<i>Calcification Start</i>	<i>Crown Complete</i>	<i>Eruption</i>	<i>Root Completed</i>	<i>Exfoliation</i>	<i>M-D Angulation</i>	<i>Overall Length</i>	<i>Crown Height</i>	<i>Crown M-D</i>	<i>Crown Fa-Li</i>	<i>Cervical Line M</i>	<i>Cervical Line D</i>
Central	14wks utero	1.5 months	7.5-10 mth	1.5 years	7-8 years		16.0mm	6.0mm	6.5mm	5.0mm		
Lateral	16wks utero	2.5 months	8-11 mths	2 years	8-9 years		15.8mm	5.6mm	5.1mm	4.0mm		
Canine	17wks utero	9 months	16-20mths	3.25 years	11-12 years		19.0mm	6.5mm	7.0mm	7.0mm		
1st Molar	15wks utero	6 months	12-16 mths	2.5 years	10-11 years		15.2mm	5.1mm	7.3mm	8.5mm		
2nd Molar	19wks utero	11 months	20-30 mths	3 years	10-12 years		17.5mm	5.7mm	8.2mm	10.0mm		

<i>Mandibular Arch</i>	<i>Calcification Start</i>	<i>Crown Complete</i>	<i>Eruption</i>	<i>Root Completed</i>	<i>Exfoliation</i>	<i>M-D Angulation</i>	<i>Overall Length</i>	<i>Crown Height</i>	<i>Crown M-D</i>	<i>Crown Fa-Li</i>	<i>Cervical Line M</i>	<i>Cervical Line D</i>
Central	14wks utero	2.5 months	6-8 mths	1.5 years	9-10 years		14.0mm	5.0mm	4.2mm	4.0mm		
Lateral	16wks utero	3 months	7-13 mths	1.5 years	7-8 years		15.0mm	5.2mm	4.1mm	4.0mm		
Canine	17 wks utero	9 months	16-20 mths	3.25 years	9-10 years		17.5mm	6.0mm	5.0mm	4.8mm		
1st Molar	15.5wk utero	5.5 months	12-16 mths	2.25 years	10-12 years		15.8mm	6.0mm	7.7mm	7.0mm		
2nd Molar	18wks utero	10 months	20-30 mths	3 years	11-12 years		18.8mm	5.5mm	9.9mm	8.7mm		

Permanent Dentition

<i>Maxillary Arch</i>	<i>Calcification Start</i>	<i>Crown Complete</i>	<i>Eruption</i>	<i>Root Completed</i>	<i>Fa-Li Angulation</i>	<i>M-D Angulation</i>	<i>Overall Length</i>	<i>Crown Height</i>	<i>Crown M-D</i>	<i>Crown Fa-Li</i>	<i>Cervical Line M</i>	<i>Cervical Line D</i>
Central	3-4 months	4-5 years	7-8 years	10 years	Lingual 28°	Mesial 2°	23.0mm	10.0mm	8.5mm	7.0mm	3.5mm	2.5mm
Lateral	10-12 month	4-5 years	8-9 years	11 years	Lingual 26°	Mesial 7°	22.0mm	8.8mm	6.5mm	6.0mm	3.0mm	2.0mm
Canine	4-5 months	6-7 years	11-12 years	13-15 years	Lingual 16°	Distal 17°	27.0mm	10.0mm	7.6mm	8.0mm	2.25mm	1.5mm
1st Premolar	1.5-1.75 year	5-6 years	10-11 years	12-13 years	Lingual 5°	Distal 9°	22.5mm	8.5mm	7.2mm	9.0mm	1.0mm	0.0mm
2nd Premolar	2-2.25 years	6-7 years	10-12 years	12-14 years	Lingual 6°	Distal 5°	21.5mm	8.0mm	6.8mm	8.8mm	1.0mm	0.0mm
1st Molar	0 Years	2.5-3 years	6-7 years	9-10 years	Lingual 8°	Distal 10°	20.8mm	7.7mm	10.7mm	11.8mm	1.0mm	0.0mm
2nd Molar	2.5-3 years	7-8 years	12-13 years	14-16 years	Lingual 10°	Distal 8°	20.0mm	7.2mm	9.2mm	11.5mm	1.0mm	0.0mm
3rd Molar	7-9 years	12-16 years	17-21 years	18-25 years			17.1mm	6.3mm	8.6mm	10.6mm	1.0mm	0.0mm

<i>Mandibular Arch</i>	<i>Calcification Start</i>	<i>Crown Complete</i>	<i>Eruption</i>	<i>Root Completed</i>	<i>Fa-Li Angulation</i>	<i>M-D Angulation</i>	<i>Overall Length</i>	<i>Crown Height</i>	<i>Crown M-D</i>	<i>Crown Fa-Li</i>	<i>Cervical Line M</i>	<i>Cervical Line D</i>
Central	3-4 months	4-5 years	6-7 years	9 years	Lingual 22°	Mesial 2°	20.7mm	8.8mm	5.4mm	6.0mm	3.0mm	2.0mm
Lateral	3-4 months	4-5 years	7-8 years	10 years	Lingual 23°	Mesial 0°	22.0mm	9.6mm	5.9mm	6.4mm	3.0mm	2.0mm
Canine	4-5 months	6-7 years	9-10 years	12-14 years	Lingual 12°	Distal 6°	26.0mm	11.5mm	7.0mm	7.7mm	2.5mm	1.0mm
1st Premolar	1.75-2 years	5-6 years	10-12 years	12-13 years	Lingual 9°	Distal 6°	22.0mm	8.5mm	7.0mm	7.5mm	1.0mm	0.0mm
2nd Premolar	2.25-2.5 year	6-7 years	11-12 years	13-14 years	Buccal 9°	Distal 9°	22.5mm	8.0mm	7.2mm	8.0mm	1.0mm	0.0mm
1st Molar	0 years	2.5-3 years	6-7 years	9-10 years	Buccal 20°	Distal 10°	21.0mm	7.7mm	11.2mm	10.3mm	1.0mm	0.0mm
2nd Molar	2.5-3 years	7-8 years	11-13 years	14-15 years	Buccal 20°	Distal 14°	19.8mm	6.9mm	10.7mm	10.1mm	1.0mm	0.0mm
3rd Molar	8-10 years	12-16 years	17-21 years	18-25 years			18.5mm	6.7mm	10.7mm	9.8mm	1.0mm	0.0mm