

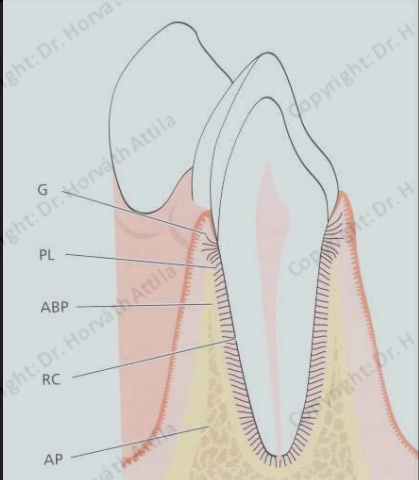
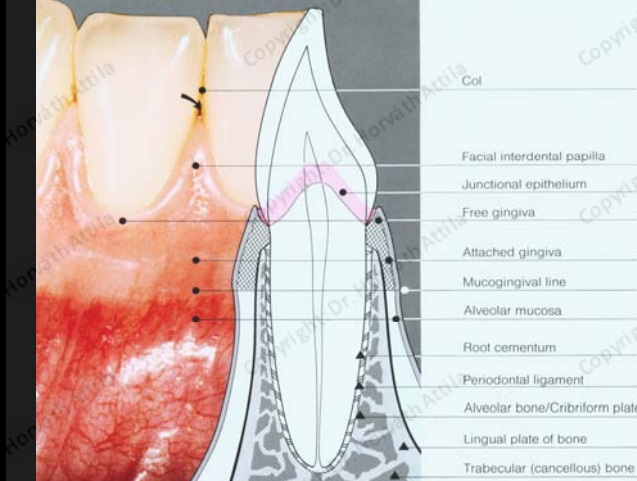
Morphology and Embryology of the Periodontium

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PERIODONTIUM

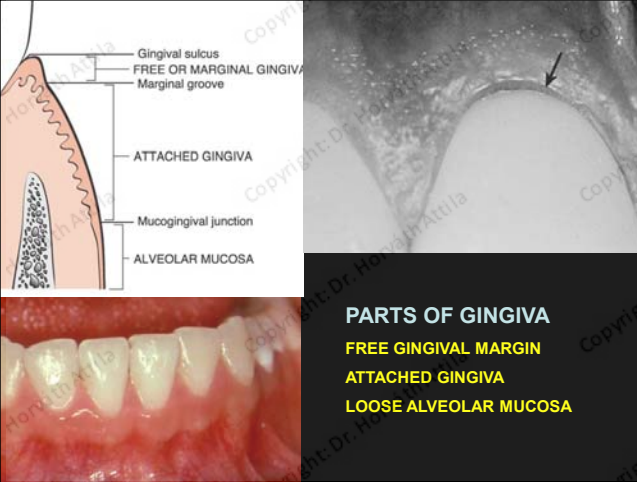
- G- gingiva
- PL – periodontal ligament
- ABP – alveolar bone proper (boulder bone)
- RC –root cementum
- AP –alveolar process

- Col
- Facial interdental papilla
- Junctional epithelium
- Free gingiva
- Attached gingiva
- Mucogingival line
- Alveolar mucosa
- Root cementum
- Periodontal ligament
- Alveolar bone/Cribiform plate
- Lingual plate of bone
- Trabecular (cancellous) bone

GINGIVA

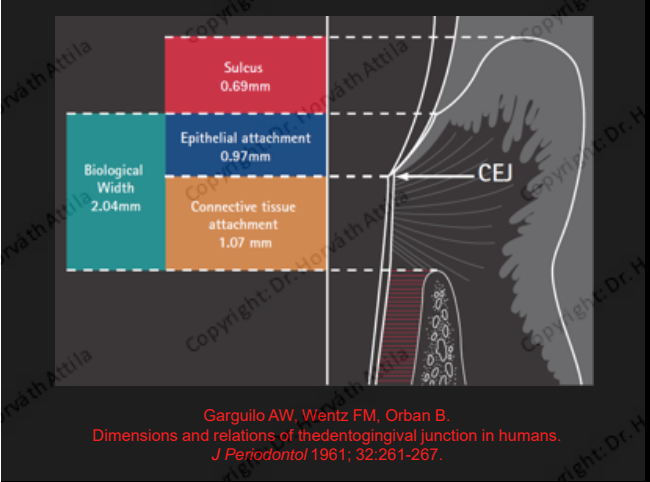
- I - LOOSE ALVEOLAR MUCOSA
- II- MUCOGINGIVAL JUNCTION
- III- ORANGE PEEL FEATURE
- IV-MARGINAL GROOVE
- V- FREE GINGIVAL MARGIN
- VI- TEETH
- VII- INTERDENTAL GINGIVA
- VIII- VERTICAL INTERDENTAL GROOVES
- IX- ATTACHED GINGIVA

- Gingival sulcus
- FREE OR MARGINAL GINGIVA
- Marginal groove
- ATTACHED GINGIVA
- Mucogingival junction
- ALVEOLAR MUCOSA

PARTS OF GINGIVA

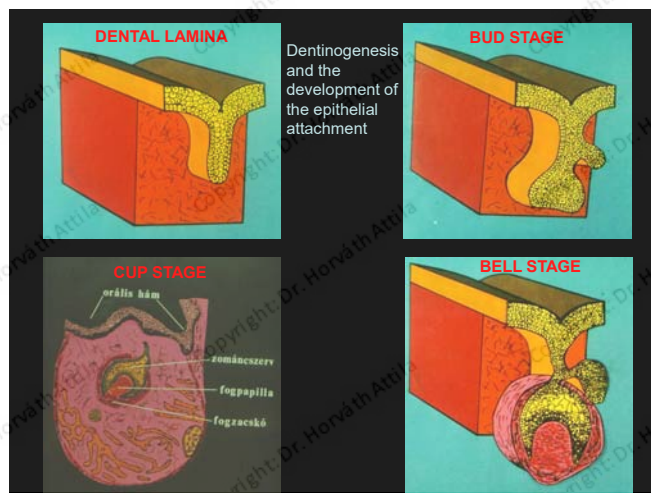
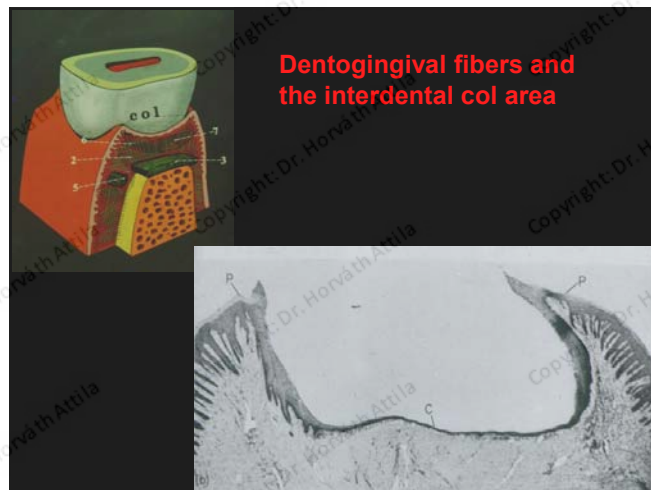
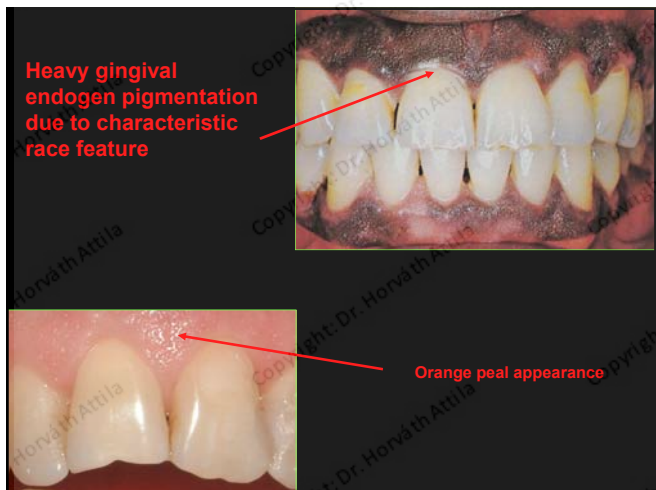
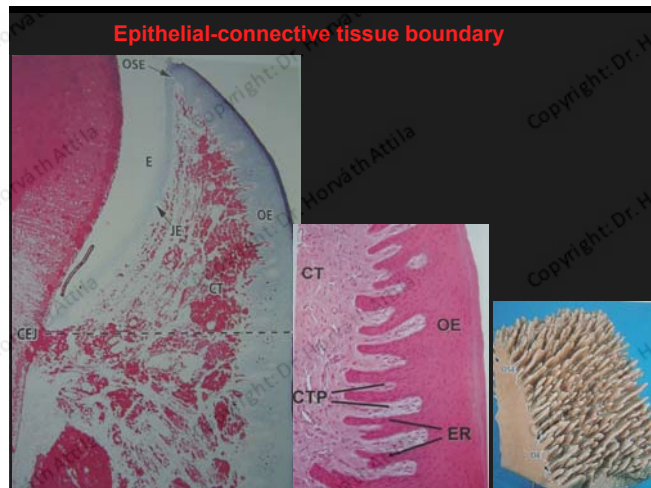
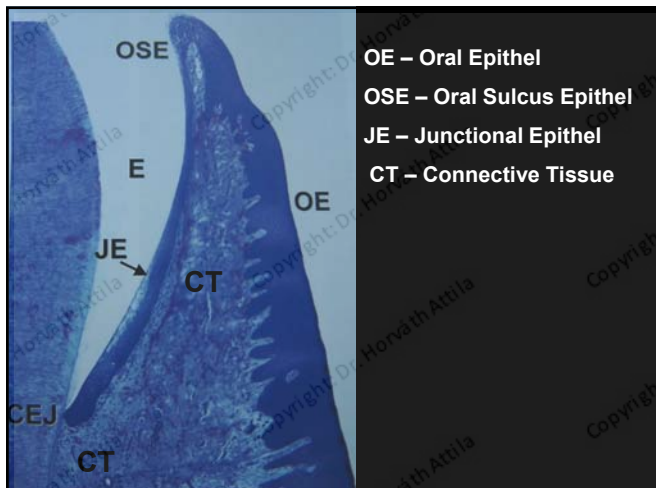
- FREE GINGIVAL MARGIN
- ATTACHED GINGIVA
- LOOSE ALVEOLAR MUCOSA

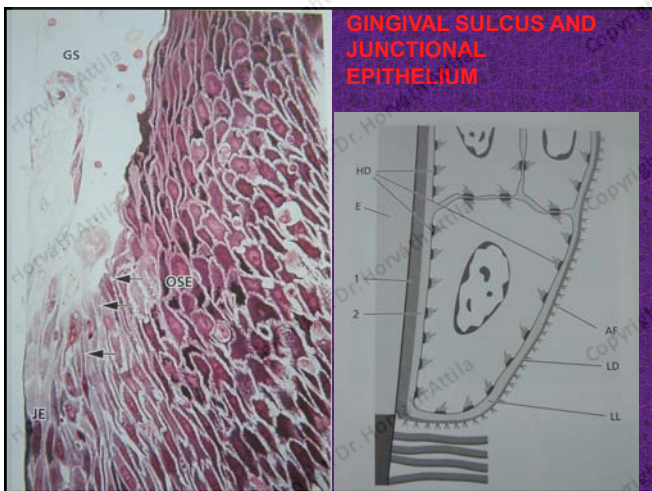
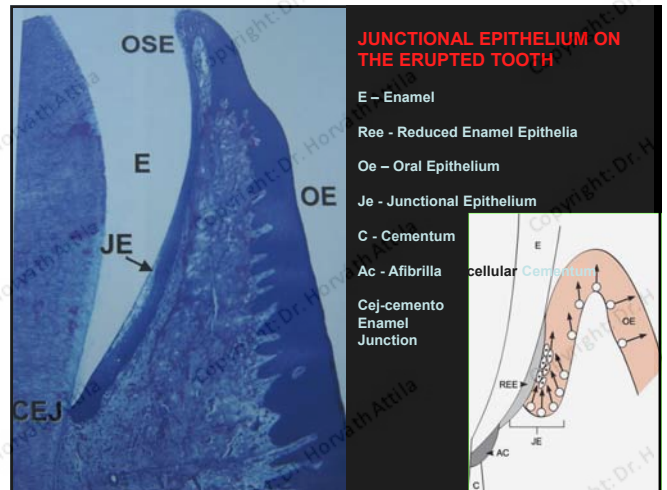
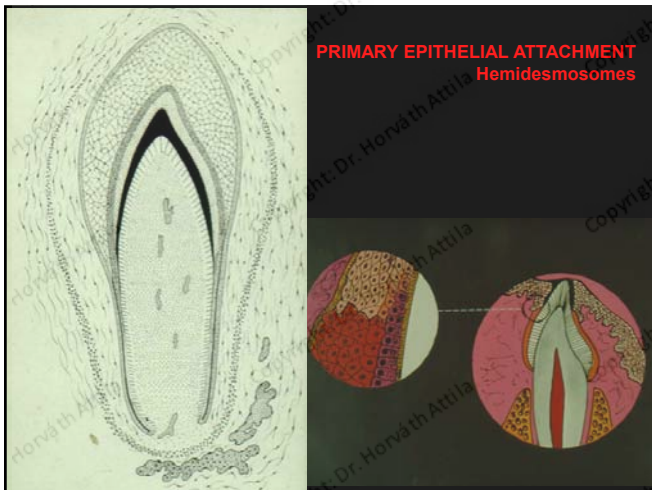
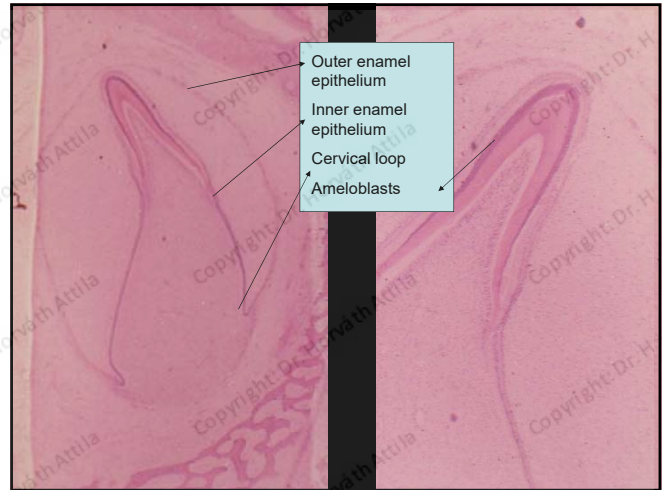
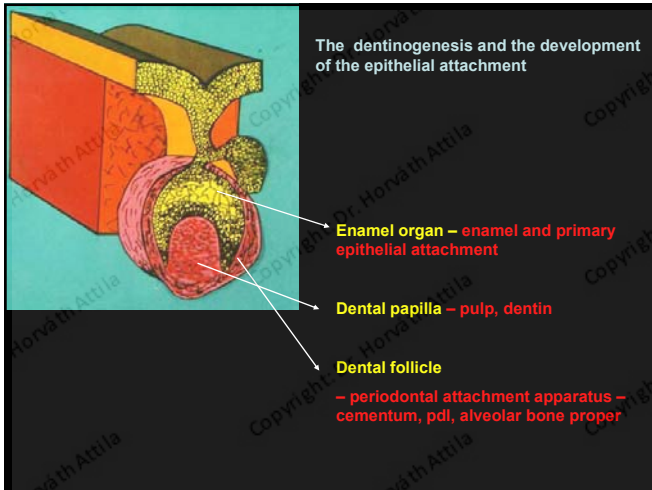


Sulcus	0.69mm
Epithelial attachment	0.97mm
Connective tissue attachment	1.07 mm
Biological Width	2.04mm

CEJ

Garguilo AW, Wentz FM, Orban B.
Dimensions and relations of the dentogingival junction in humans.
J Periodontol 1961; 32:261-267.



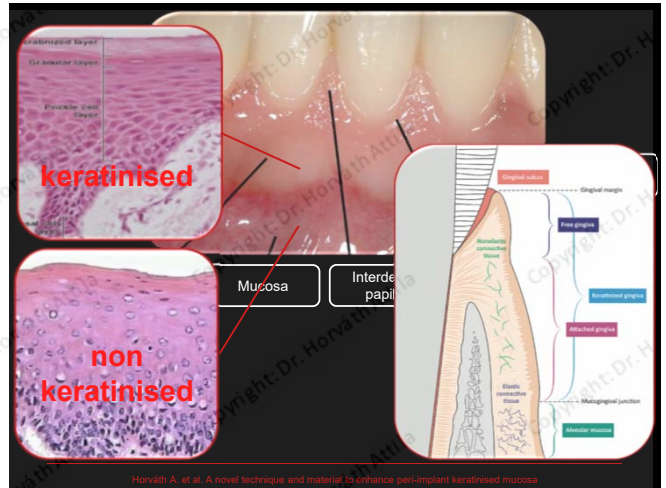


Gingival Crevicular Fluid

- From normal gingiva is minimal and rather a transsudate
- The more inflamed the gingiva the more sulcular fluid is produced
- Than it is a typical inflammatory exudate
- With IgG, IgM, IgA, complement, fibronectin, PMN leukocytes

Gingival Crevicular Fluid

- Defensive Mechanisms
- Lubricating Effect
- Epithelial Desquamation
- Immunoglobulins
- Complement
- PMN Leukocytes Barrier
- Chronic Inflammatory Reaction

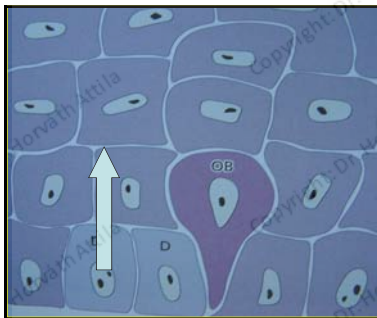
keratinised

non keratinised

Mucosa

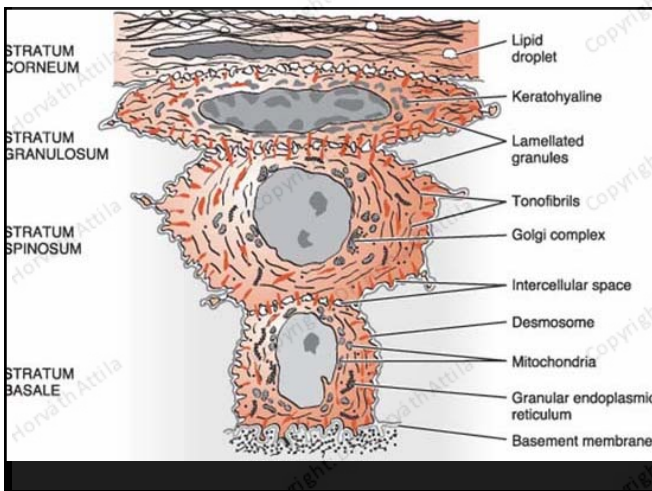
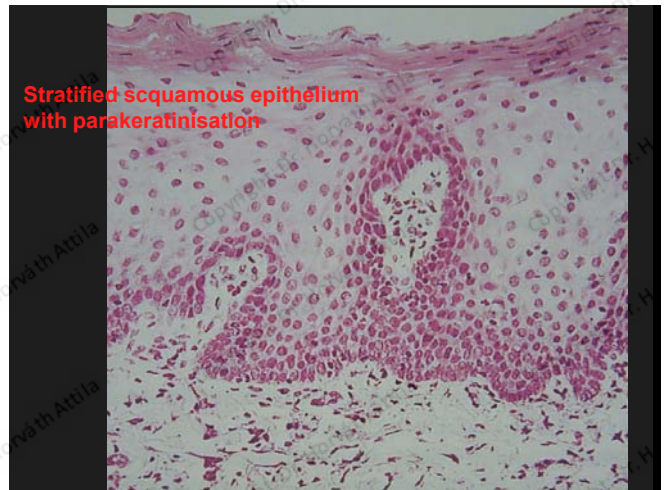
Interdental papilla

Horvath A. et al. A novel technique and material to enhance peri-implant keratinised mucosa



The turnover of the stratified squamous epithelia

The old basal cells (ob) are transvering into the spinocellular layer and differentiated to prickle cells



Clinical criteria of normal gingiva



- color
- surface
- form
- consistency
- sulcus exudate
- sulcus bleeding

