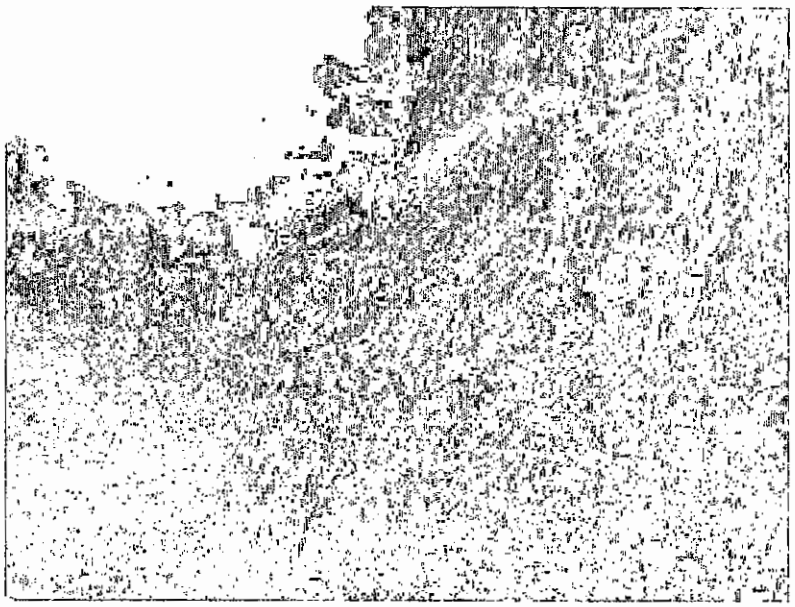
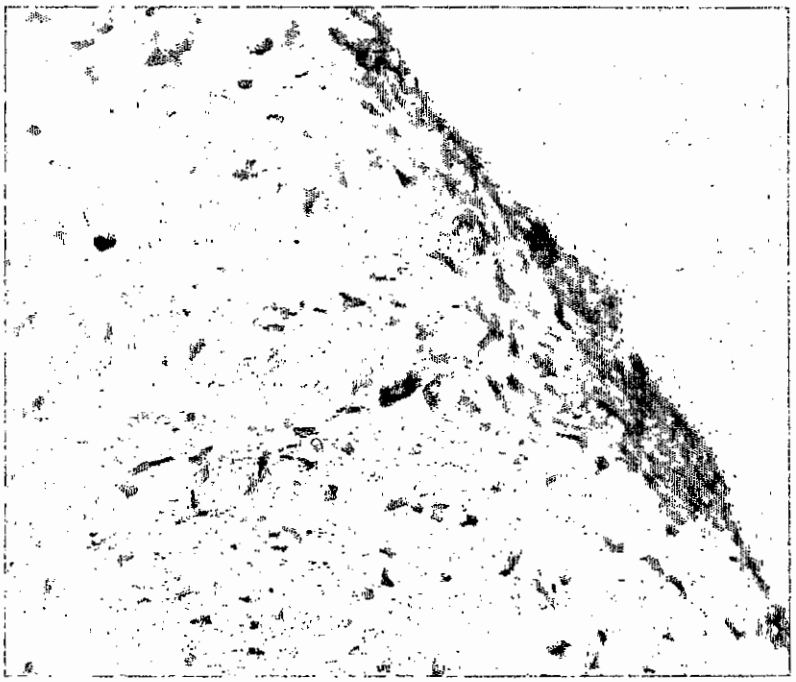


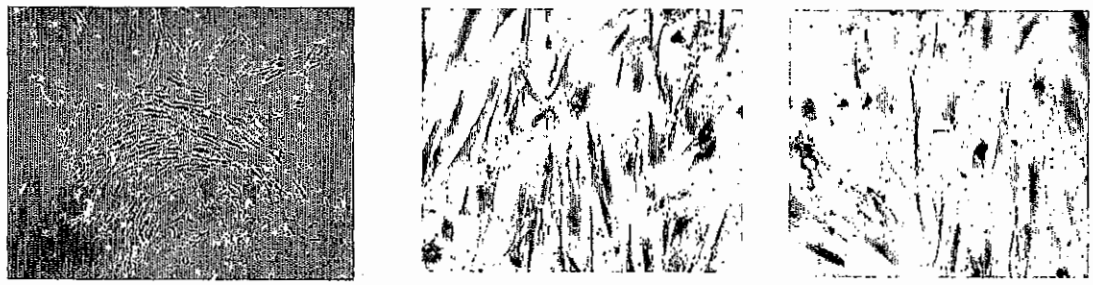
α



β

Fig. 1

02 AUG 2006



α β γ

Fig. 2

02 AUG 2006

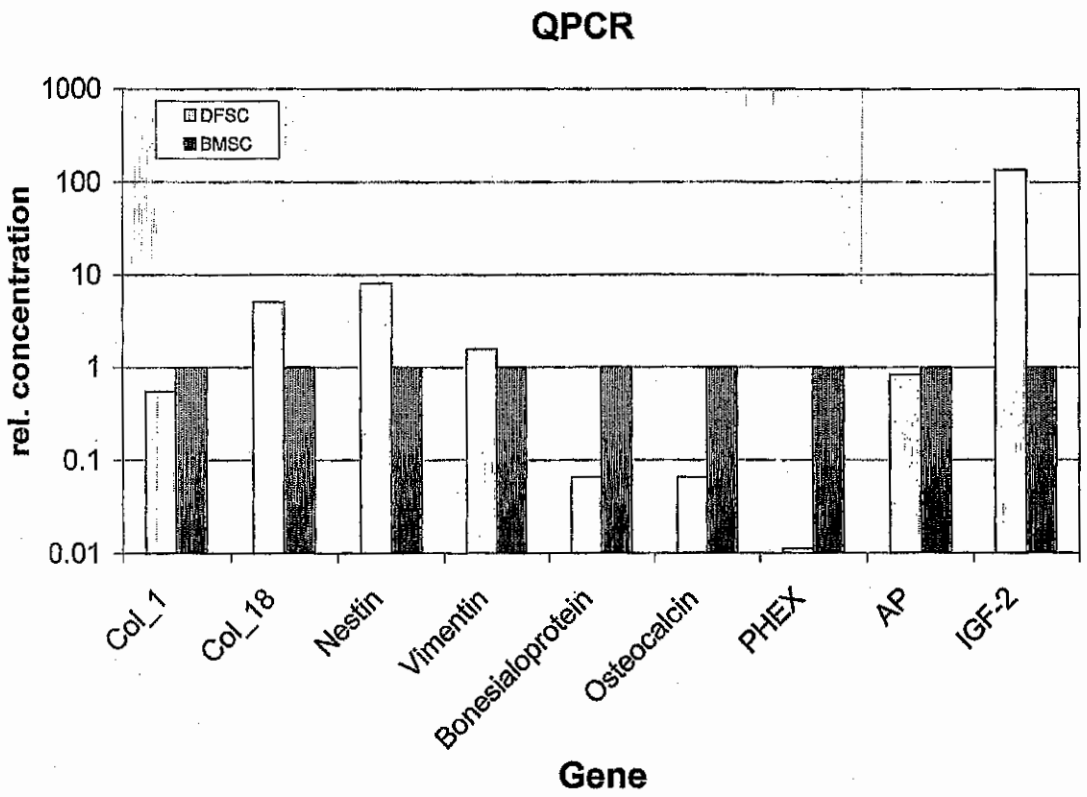


Fig. 3a

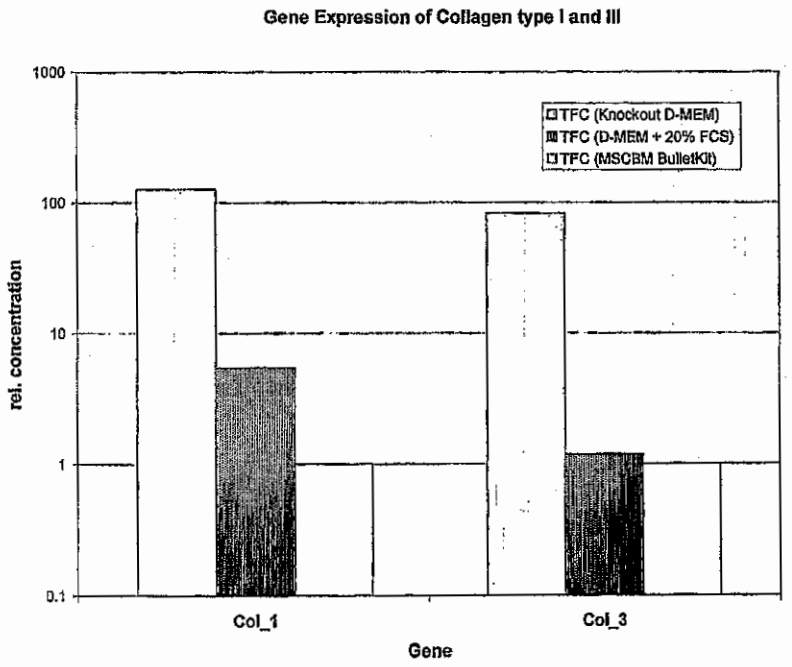


Fig. 3b

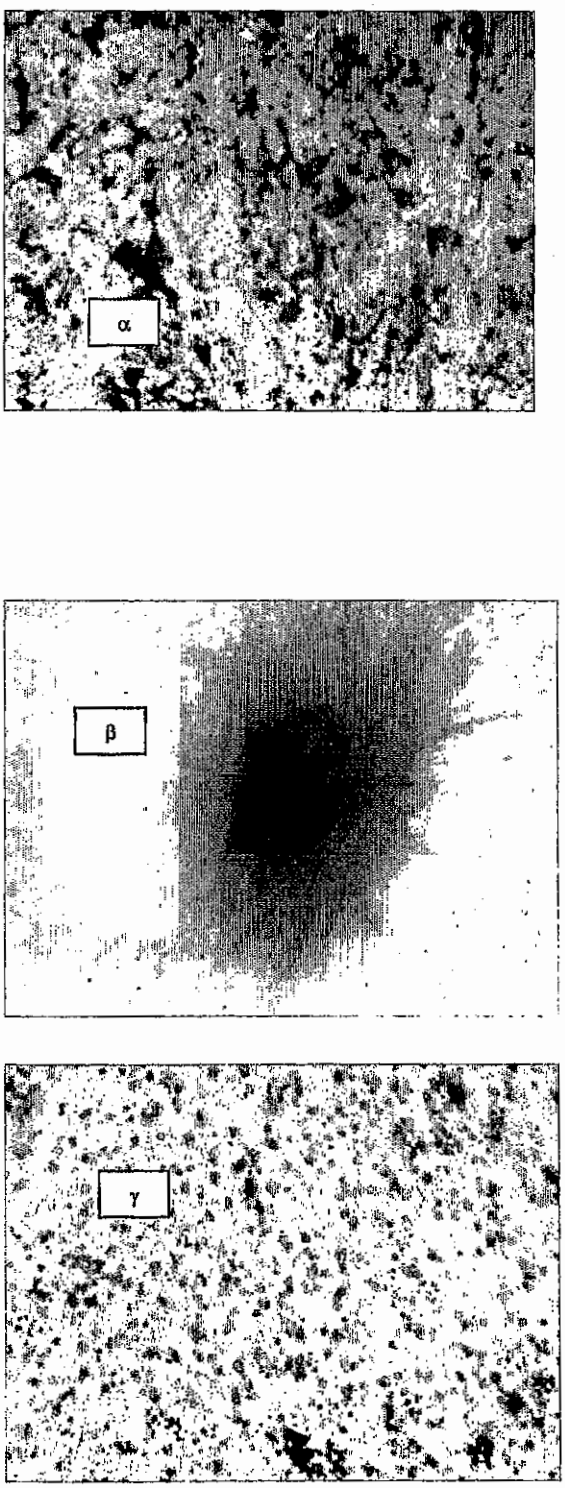


Fig. 4

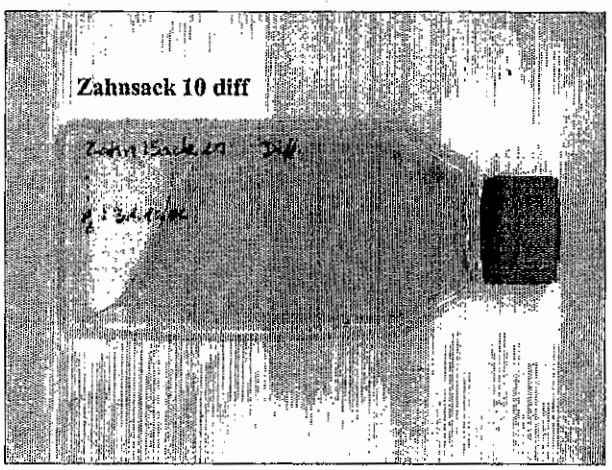

Zahnsack 10 diff

Fig. 5

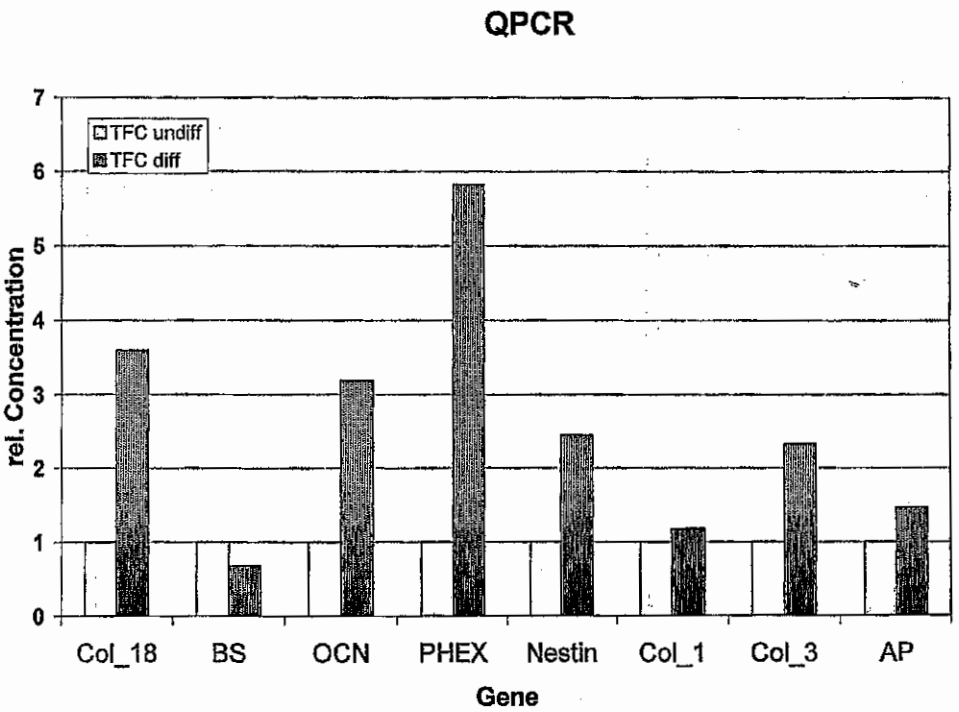

QPCR
TFC undiff
TFC diff
rel. Concentration
0
1
2
3
4
5
6
7
Col_18
BS
OCN
PHEX
Nestin
Col_1
Col_3
AP
Gene

Fig. 6

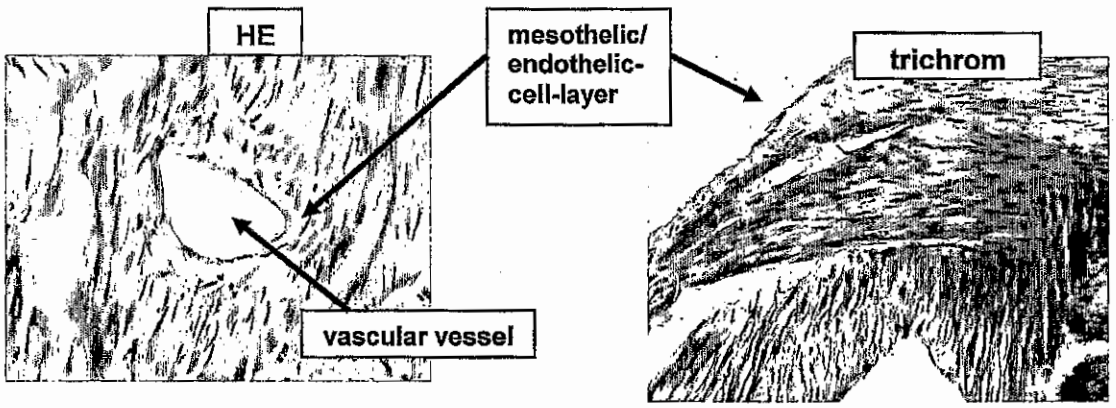

HE
mesothelic/
endothelic-
cell-layer
trichrom
vascular vessel

Fig. 7

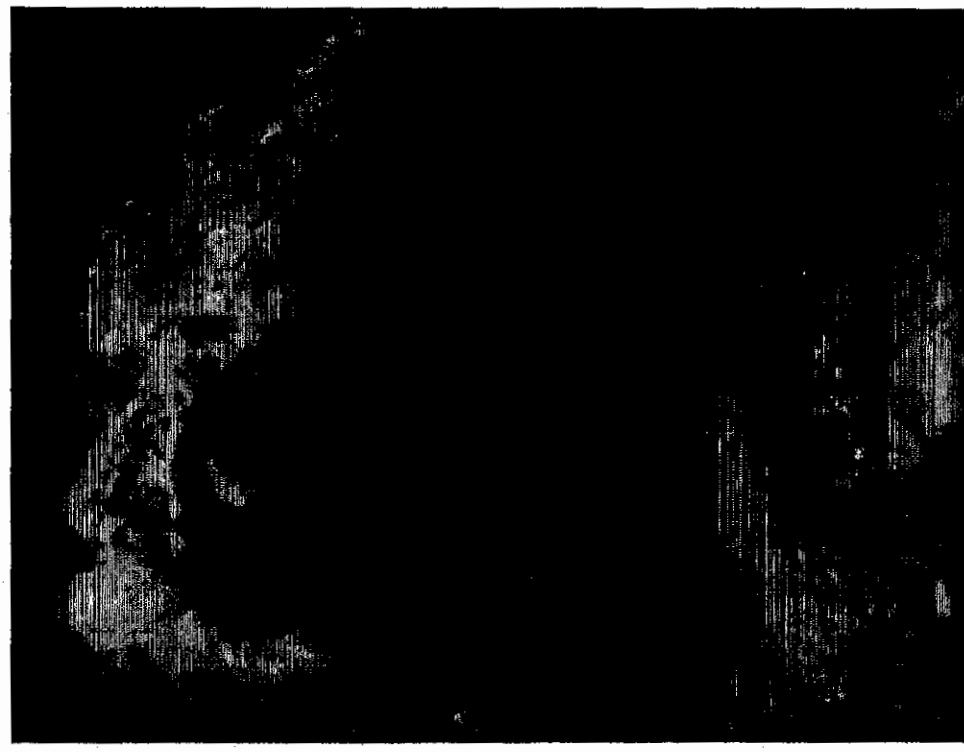


Fig. 8

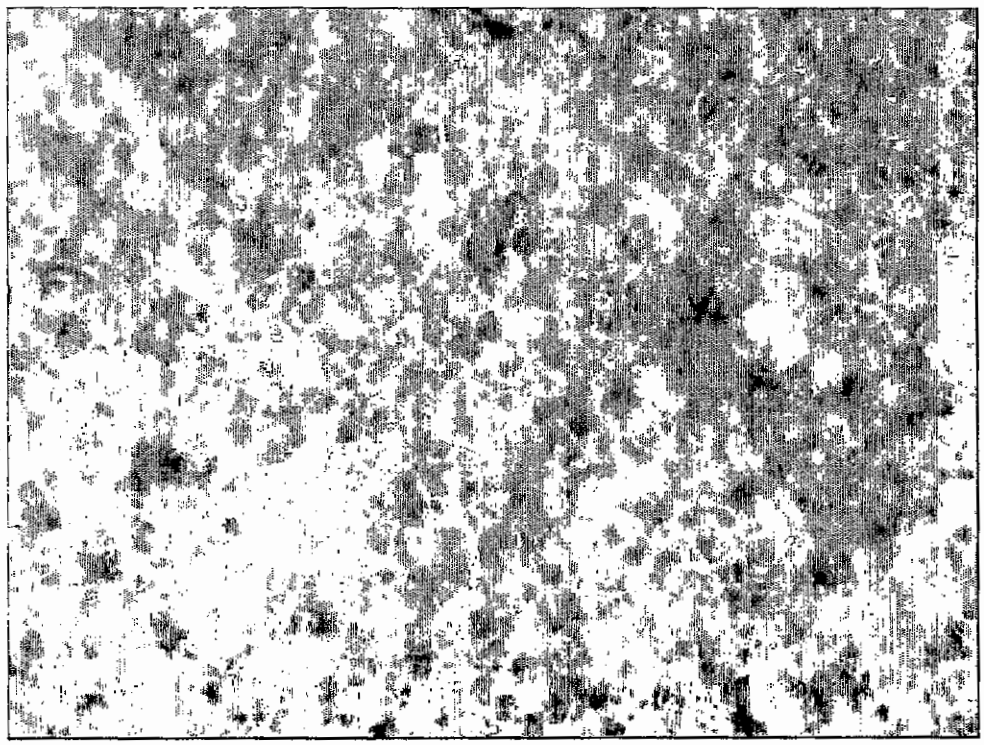


Fig. 9

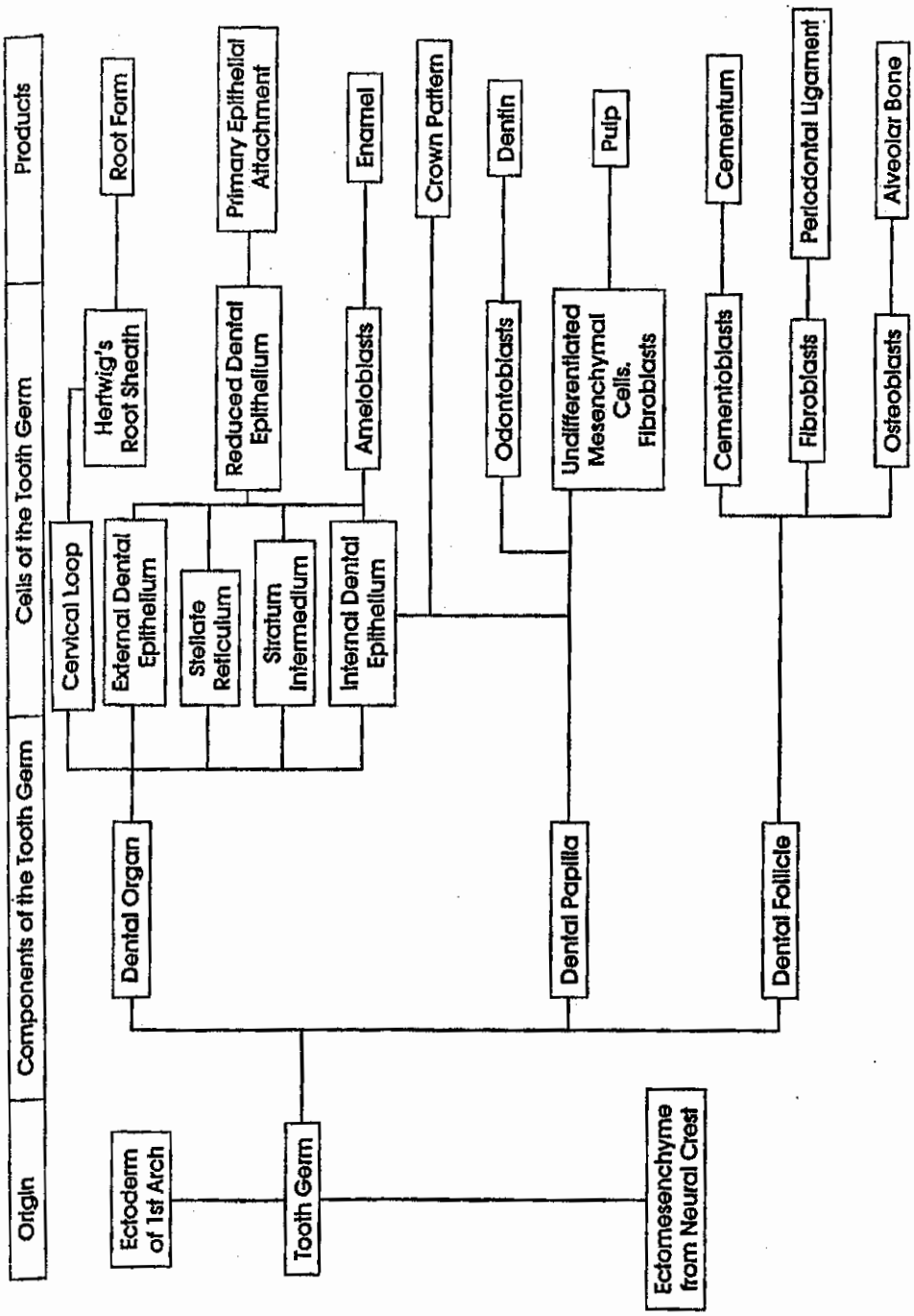
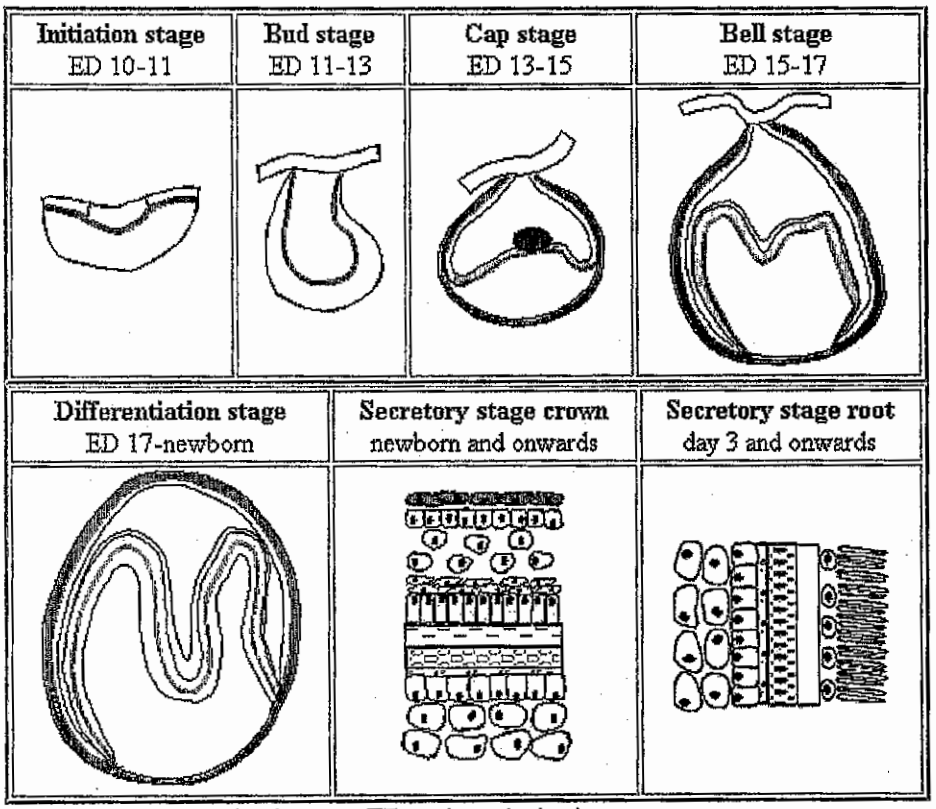

Origin
Components of the Tooth Germ
Cells of the Tooth Germ
Products
Ectoderm of 1st Arch
Ectomesenchyme from Neural Crest
Tooth Germ
Dental Organ
Dental Papilla
Dental Follicle
Cervical Loop
External Dental Epithelium
Stellate Reticulum
Stratum Intermedium
Internal Dental Epithelium
Hertwig's Root Sheath
Reduced Dental Epithelium
Ameloblasts
Odontoblasts
Undifferentiated Mesenchymal Cells, Fibroblasts
Cementoblasts
Fibroblasts
Osteoblasts
Root Form
Primary Epithelial Attachment
Enamel
Crown Pattern
Dentin
Pulp
Cementum
Periodontal Ligament
Alveolar Bone

Fig.10



Times refer to mouse development (ED, embryonic days)

Color code:

Epithelial tissues:	Mesenchymal tissues:
oral epithelium	dental mesenchyme and papilla
stellate reticulum	dental sac
stratum intermedium	odontoblasts
dental epithelium and outer enamel epithelium	predentin
inner enamel epithelium and ameloblasts	dentin
enamel knot	cementum
enamel	cementoblasts
basement membrane	periodontal ligament

Fig. 11