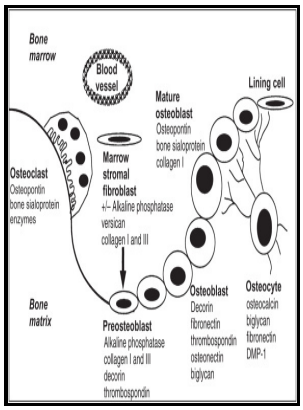
Analyses of mRNA expression and immunolocalization of bone sialoproteins in mineralized connective tissues

University of Toronto, Graduate Dept. of Dentistry] - Localization of bone sialoprotein (BSP) expression to sites of mineralized tissue formation in fetal rat tissues by In Situ hybridization



Description: -
-Analyses of mRNA expression and immunolocalization of bone sialoproteins in mineralized connective tissues
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Notes: Thesis (Ph.D.)--University of Toronto, 1993.
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Developmental Expression of Osteopontin (OPN) mRNA in Rat Tissues: Evidence for a Role for OPN in Bone Formation and Resorption

Hybridization reflecting a lower degree of expression was evident in cells of the transitional zone of mineralizing cartilage and in odontoblasts forming incisor dentine. Development expression of bone sialoprotein mRNA in rat mineralized connective tissues.

Expression of bone sialoprotein in mineralized tissues of tooth and bone and in buccal

Tympanosclerosis: a scanning electron microscopic study.

The anatomy of bone sialoprotein immunoreactive sites in bone as revealed by combined ultrastructural histochemistry and immunohistochemistry

This system includes the cement lines, and aggregates of similar material within mineralized bone and mineralizing osteoid. In this study, serum BSP levels were significantly higher in the TS group than in the control group and there was a moderate positive correlation between BSP and hearing levels.

Neoplastic odontogenic epithelial cells express bone sialoprotein

J Natl Cancer Inst 2004;96:956-65. BSP has been involved in the reparation of several mineralized tissues. A well was separated as a blank well.

Expression of matrix proteins during the development of mineralized tissues

Ethics Ethics Committee Approval: Following approval by the Local Ethics Committee Protocol number: 110, Date: 27.

Developmental Expression of Osteopontin (OPN) mRNA in Rat Tissues: Evidence for a Role for OPN in Bone Formation and Resorption

Discussion TS is a disease characterised by hyaline calcareous plaques in the tympanic membrane and tympanic space. The control group had no ear problems and no chronic systemic disease.

Developmental Expression of Osteopontin (OPN) mRNA in Rat Tissues: Evidence for a Role for OPN in Bone Formation and Resorption

Ann Otol Rhinol Laryngol 1995;104:625-32.

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Thus, a sequential and cell type-restricted expression of matrix proteins takes place during the development of the mineralized tissues.

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