ABSTRACT

Ameloblastoma is a benign tumor of odontogenic epithelium which is thought to arise from enamel forming cells, particularly ameloblasts, but does not undergo differentiation to the point of enamel formation. Odontogenesis is a complex embryological process involving induction, differentiation and morphogenesis that results in development and eruption of tooth. E-Cadherin, Cytokeratin-14 and Cytokeratin-19 are highly sensitive and specific markers for ameloblastoma and also differentially expressed in various stages of ameloblasts in the developing tooth germ. The purpose of this study is to evaluate the expression of these markers in various stages of ameloblasts in developing tooth germ and ameloblastoma in order to determine morphological and functional differentiation.