# Immunohistochemical comparison of CD34 expression in odontogenic keratocyst, ameloblastoma and oral squamous cell carcinoma

## Objective

The aim of this study was to compare the expression of CD34 in odontogenic keratocyst, ameloblastoma, and oral squamous cell carcinoma.

## Methodology

1. **Materials and Methods**
   - A total of 30 samples were included in the study: 10 odontogenic keratocysts, 10 ameloblastomas, and 10 oral squamous cell carcinomas.
   - Immunohistochemical staining for CD34 was performed using the avidin-biotin-peroxidase complex method.
2. **Results**
   - CD34 expression was significantly higher in oral squamous cell carcinoma compared to odontogenic keratocysts and ameloblastomas.
   - In ameloblastomas, CD34 expression was intermediate between odontogenic keratocysts and oral squamous cell carcinoma.

## Conclusion

CD34 expression provides valuable information in the differential diagnosis of oral lesions. Further studies are needed to elucidate the biological significance of CD34 in these lesions.

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**References**


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