Epulis and pyogenic granuloma with occlusal interference
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Determination of fluoride in black, green and herbal teas by ion-selective electrode using a standard-addition method</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Humoral immune response on pulpitis</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>Epulis and pyogenic granuloma with occlusal interference</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Cytotoxicity of the hybrid acrylic resin after glass fiber reinforcement with difference method</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>Acidity of soft drink decrease the surface hardness of tooth</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>The difference of inhibition zones toward Streptococcus mutans among several herbal toothpaste</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td><strong>Viability of fibroblast BHK-21 cells to the surface of rapid heat cured acrylic resins</strong></td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>Tooth bleaching material with ADA/ISO certificate</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>The inflammatory response on rat dental pulp following ethanolic extract of propolis (EEP) application</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>The expressions of latent gene product of epstein-barr virus in oral squamous cell carcinoma</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>The relation of frequency of teeth brush with oral hygiene of state elementary school children in Palaran area district of Samarinda province of east Kalimantan</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>Does oral plaque control therapy reduce severity of allergic rhinitis in children?</td>
<td>-</td>
</tr>
</tbody>
</table>
Viability of fibroblast BHK-21 cells to the surface of rapid heat cured acrylic resins

Viabilitas sel fibroblas BHK-21 pada permukaan resin akrilik rapid heat cured

1. Anita Yuliati --> Department of Dental Material, Faculty of Dentistry Airlangga University, Surabaya - Indonesia

Abstract

Acrylic resins are widely used in the fabrication of denture bases and have been shown to be cytotoxic as a result of substances that leach from the resin. Numerous reports suggest that residual monomer may be responsible for mucosal irritation and sensitization of tissues. This information is important in addition to the information of the biologic effect of such materials. The purpose of this study was to know the viability of fibroblast BHK-21 cells to the surface of rapid heat cured acrylic resins. The sample of 5 mm in diameter and 1 mm thickness was cured in water bath for 20, 30, and 40 minutes at 100°C. BHK-21 cells were grown in medium eagle to be 2 × 10^5 cell/ml in 96 well micro titer plates as the added sample and incubated at 37°C for 24 hour. Five hours before the end of the incubation MTT solution was added from step one to each well containing cells. Viability cells were measured by spectrophotometer at 550 nm. The data were statistically analyzed by using one-way analysis of variance followed by LSD test. The result indicated that viability of fibroblast BHK-21 cells did not decrease to the surface of resin acrylic rapid heat cured.

Keyword: viability, BHK-21, cells, rapid, heat, cured, acrylic, resins,
residual monomer output and Cytotoxicity. : J Orofac Orthop
60. N Takagi, (1994). Leaching and cytotoxicity offormaldehyde and methyl maethacrylate from acrylic resin denture
base materials. : J Prosthet Dent