

Influence of long-term immersion of heat-cured silicon soft liner in denture cleanser

This study was conducted to identify the effect of long-term immersion of heat-cured silicone soft liner “Molloplast-B” in a new alkaline peroxide formulation on its elastic behavior as well as the surface hardness. Daily immersion of Molloplast-B in new Steradent Aktiv-3 denture cleanser significantly affected its elastic properties and surface characteristics, while only 10-minute or 8-hour immersion per week did not alter these properties. The bacteriological study proved that 8 hours immersion once every week in new Steradent Aktiv-3 was sufficient enough as a disinfectant to inhibit fungal growth on Molloplast-B. On the other hand, 10-minute immersion per week was not enough for that inhibition. Eight-hour immersion in New Steradent Aktiv-3 can be confidently recommended as an effective and safe denture cleanser for patients wearing dentures lined with Molloplast-B.