A Fluid Filtration Comparison of Gutta-Percha versus Resilon, a New Soft Resin Endodontic Obturation System

Ryan K. Straton, DMD, Micheal J. Apicella, DDS, and Pete Mines, DDS
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We attempted to determine if the soft resin, Resilon, was better than gutta-percha in terms of fluid filtration. The null hypothesis was that Resilon was not preferential to gutta-percha. Two groups were created and a 2% NaOCl solution was inserted into each group. The gutta-percha group was allowed to polymerize before the sodium hypochlorite was inserted, while the Resilon group was allowed to polymerize before the sodium hypochlorite was inserted and then allowed to fluid filtrate for a defined time. The fluid filtration was measured using a fluid filtration testing device. The results showed that the fluid filtration of Resilon was significantly lower than the fluid filtration of gutta-percha. Therefore, the null hypothesis was rejected and the alternative hypothesis was accepted. This experiment demonstrated that Resilon is a better choice for fluid filtration than gutta-percha.