

12th World Congress on

Dentistry and Oral Health

August 04-05, 2016 Manchester, UK

Evaluations of a bulk fill composite restorative material using two different curing lights

Mostafa Ahmed Abd El Shafi
Mansoura University, Egypt

This study evaluates a bulk fill resin composite by comparing it with a conventional build up one, using two different curing lights, regarding; Degree of Conversion (DC), microleakage, micro hardness and fracture toughness. Two nanohybrid resin composites were investigated; Tetric N-Ceram Bulk Fill and Tetric N-Ceram. Specimens of each type were divided into two equal groups: Group A cured with Quartz Tungsten Halogen (QTH) and Group B cured with light-emitting diode (LED). DC, microleakage, micro hardness and fracture toughness of different groups were studied. The Chi-Square test and t-test were then used to analyze and compare the results statistically. Results show that, there were no significant differences among the materials tested and additionally, none of the used curing lights had a more prominent effect on the properties of the tested composites.

Biography

Mostafa Ahmed Abd El Shafi has completed his BDS in 2010 and MSc in 2015. Currently, he is a PHD student at Mansoura University, Egypt and working as Assistant Lecturer in the Department of Dental Biomaterials, Faculty of Dentistry Mansoura University, Egypt.

mostafa_aaaa@live.com

Notes: