

# DENTISTRY & DENTAL MARKETING

&

## ORAL CARE & ORAL CANCER

October 24- 25, 2018 | Boston, USA



**Emre Ozel**

*University of Kocaeli, Turkey*

### Effect of different teas of surface roughness of resin composite

The aim of this study was to investigate the effects of different teas on surface roughness of anterior composites. In this study Gradia direct Anterior, Clearfil Mejisty ES-2, Tokuyama Estelite quick and filtek ultimate were used as composite material. The teas used in the study were Lipton and Rosehip, Lipton black tea & Lipton green tea. For each tea groups 10 samples each different composite material was prepared. Each sample was polymerized from upper from bottom surface for 20 seconds was stored in distilled water at 37°C for 24 hours. Surface roughness measurements were performed at the beginning, at the end of the 15<sup>th</sup> day and at the end of the one- month by using profilometer. Each composite material was kept in 3 different teas for 30 minutes for twice a day for one month during the morning and evening. Data was statistically analyzed by using one way Anova ( $p < 0.05$ ) initial surface roughness value of Gradia direct anterior (0.751- Ra) and Filtek ultimate (0.900- Ra) presented higher than other two composites ( $p < 0.05$ ). Surface roughness value of all composites storage in Rosehip tea, Black tea and Green tea exhibited similar results at the end of one month. Significant differences were observed among teas for Filtek Ultimate, Gradia Direct Anterior and Tokuyama Estelite Quick at the end of one month. Surface properties of composites used in this study were found to be stable. Tokuyama Estelite quick presented the minimum surface roughness value while the maximum value was Filtek Ultimate.

### Biography

Emre Ozel has completed PhD at the age of 29 years from Yeditepe University and post-doctoral studies from University of Kocaeli, Turkey, Faculty of Dentistry. He is the Professor and Dean of University of Kocaeli, Turkey, Faculty of Dentistry. He has published more than 80 papers in reputed journals and has been serving as an editorial board member of repute.

[emreozel77@gmail.com](mailto:emreozel77@gmail.com)

### Notes: