

# **Composite resin discoloration caused by every day consumption products**

**Andreevski A., Kovacevska I., Georgiev Z., Zarkova Atanasovska J.**

**Background:** Composite resins revolutionized the modern restorative dentistry with its high value aesthetic properties especially in the frontal region, and satisfactory stability in the posterior region of the human dental arch. The aim of this poster presentation is to serve us as a reminder about the possible staining of the composite resins immersed into various drinks, food colorants and dental rinse products.

**Methods and materials:** For this type of research we used a number of scientific articles from the database of PubMed which dated from the year of 2009 until present time. We used only articles that had in vitro researches on plain composite resin based restorative materials which are most used in dental practices around the world.

**Results:** All the articles showed a small to a significant discoloration of the composite resins no matter of the chemical compound of the resin matrix, or the finishing technique. For any discoloration to occur there are many intrinsic and extrinsic causes which vary from resin to resin.

**Conclusion:** Composite resins are prone to discoloration (and wear) which occurs from the substances that are part of our every day consumption products. Discoloration can be slowed down with proper placement of the resins into the cavities, and adequate techniques of finishing and polishing.