**Effect of Surface Treatment of Different Ceramic Materials by Er,Cr:YSGG Laser Irradiation on The Shear Bond Strength to Resin Cement “A Comparative in-Vitro Study”**

Shahd T.Mandil, BDS,a  Hesham Katamish, BDS, MS, PhDb and Tarek Salah, BDS, MS, PhD c

aGraduate student, Faculty of Dentistry, Misr International University, Cairo, Egypt

bProfessor, Department of Fixed Prosthodontics, Faculty of Oral and Dental Medicine, Cairo University, Giza, Egypt

cProfessor, Department of Fixed Prosthodontics, Faculty of Oral and Dental Medicine, Ain Shams University, Cairo, Egypt

**Corresponding Author:**

Dr. Shahd T. Mandil

 (+20) 1110702244

Postal Code: 11841

Rehab city, Cairo

Email: shahd090790@miuegypt.edu.eg

**Role and Contribution of each author:**

Shahd T. Mandil proposed the idea. Shahd T. Mandil, Tarek Salah, and Hesham Katamish planned the experiments and the materials used. Shahd T. Mandil carried out the testing, data analysis, and manuscript writing. Tarek Salah and Hesham Katamish supervised the work and provided crucial feedback.