

# **SHEAR BOND STRENGTH OF COBALT CHROMIUM CASTED RESTORATIONS TO GALLIUM AND AMALGAM CORE MATERIALS USING DIFFERENT LUTING CEMENTS**

Mohamed Arm Aly Mahrous\* and Mohamed Abdelmageed Awad\*\*

## **ABSTRACT**

Fourty eight cylinders of cobalt chrommium alloy were bonded to Galloy and Dispersalloy core materials using two resin cements (Panavia 21 and C&B Metabond), glassionomer (Ketac-cam) and a zinc phosphate cement (Fleck's). The shear bond strength was tested and the fractured surfaces were evaluated using a binocular light microscopy.

\* Assistant Professor, Conservative Dentistry Department, Faculty of Dentistry, Alexandria University.

\*\* Lecturer. Conservative Dentistry Department, Faculty of Dentistry, Tanta University.