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Protocol (7-14-11)

**Properties of a Restorative Composite
R. Yapp, J.M. Powers**

PURPOSE

The purpose of this project is to measure the flexural strength and modulus of a restorative composite.

Experimental Design

Composite(s): _____

Replications: n=8

Materials and Methods

Flexural Strength and Modulus:

2-mm square by 25-mm long molded bars of the composite prepared per the manufacturer's instructions and stored for 24 hours in water at 37°C will be tested in a three-point flexural bending jig utilizing an Instron 5866 machine at a crosshead speed of 0.5 mm/min. Flexural strength and modulus will be calculated from the ultimate load and load versus deflection data.

Statistical Analysis:

Means and standard deviations of all tests will be calculated and reported.

Cost - \$920 per composite plus composite (3 cartridges of A2).

Testing will commence upon receipt of materials and payment of 100% of the total charge.

Ron Yapp

Ron Yapp 7-14-11
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Company