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**Fracture Load and Phase Transformation of Monolithic Zirconia Crowns
Submitted to Different Aging Protocols**

ETP Bergamo • WJ da Silva • PF Cesar • AA Del Bel Cury

Clinical Relevance: Advances in zirconia that have resulted in favorable esthetic and mechanical properties have enabled its application as a full-contour restoration.

doi: <http://dx.doi.org/10.2341/15-154-L>

**Fracture Resistance of Endodontically Treated Teeth Restored With Bulk Fill,
Bulk Fill Flowable, Fiber-reinforced, and Conventional Resin Composite**

C Atalay • AR Yazici • A Horuztepe • E Nagas • A Ertan • G Ozgunaltay

Clinical Relevance: The restoration of endodontically treated teeth with either bulk fill/flowable bulk fill or fiber-reinforced resin restorative did not change the fracture resistance of teeth compared with that of a conventional nanohybrid resin composite.

doi: <http://dx.doi.org/10.2341/15-320-L>

**Water Sorption and Solubility of Luting Agents Used Under
Ceramic Laminates With Different Degrees of Translucency**

CL Leal • APV Queiroz • RM Foxton • S Argolo • P Mathias • AN Cavalcanti

Clinical Relevance: Degrees of translucency in a restorative material are important for masking tooth color alteration. Clinicians must be aware of the relationship between a decrease in translucency and loss of light penetration to avoid the clinical degradation of an improperly cured luting material.

doi: <http://dx.doi.org/10.2341/15-201-L>

**Fractographical Analysis and Biomechanical Considerations of a Tooth Restored With Intracanal Fiber Post:
Report of the Fracture and Importance of the Fiber Arrangements**

VF Wandscher • CD Bergoli • IF Limberger • TP Cenci • P Baldissara • LF Valandro

Clinical Relevance: When restoring anterior endodontically treated teeth, fiber posts with parallel fibers support tensile stresses, but they commonly fracture by shear stresses due to anterior occlusal oblique loads that generate bending of the restorative assembly.

doi: <http://dx.doi.org/10.2341/15-262-S>