



Bioceramic Composites

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Message from the Guest Editors

Bioceramic composites were introduced into orthopaedic practice around 2002. Zirconia–alumina composites, in particular, have attracted a great deal of attention because of their superior mechanical behaviour in comparison with alumina ceramic, i.e., the former standard ceramic in joint replacements. Today, several manufacturers are proposing different zirconia–alumina composites for use in hip, knee, shoulder joint replacements, while several innovative devices are under study and new classes of materials are under development.

In dentistry, bioceramic composites allow for the innovative design of dental implants as well as restorations.

