



Novel Ceramic Composite Biomaterials Used in the Orthopedic Field and Interest of the National Registers in Total Joint Arthroplasties

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Message from the Guest Editors

Joint replacement surgeries have changed the quality of life for a lot of patients suffering from advanced degenerative joint disease. Ceramics have been used as an alternative to metal-on-polyethylene for hip and knee arthroplasty since the 1970s. In the field of arthroplasty surgery, we have individuated two possible subjects of investigation, which have, however, some connections: the evolution of the ceramic bearing in joint replacement up to the development of new composites and the role of the national registers as an important resource for the quality of the implanted medical devices and implant surveillance. The aim of this Special Issue is therefore twofold. In the first part of the journal, we resume the different steps of ceramic bearing, which have allowed the development of new composites used for hips, knees and other joints. In the second part of the issue, we intend to feature a critical contribution on the improvement of the data, in order to better understand the outcomes of joint replacement.





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Message from the Editor-in-Chief

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