

SEMINAR

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Materials for dental implants: hip arthroplasty teaches us that it is a matter of time

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The use of ceramics in medicine has become increasingly popular, especially in joint replacement. The high wear resistance and excellent biological behaviour of ceramic particles have made ceramic femoral heads the preferred choice for total hip replacements in many countries. Ceramics are also gaining ground in dentistry due to favourable aesthetic results and high corrosion resistance in the aggressive oral environment. As in orthopedic applications, ceramic dental implants are unlikely to cause immune reactions for example due to the release of particles and ions after implantation, as is the case with metal dental implants. As in orthopedics, ceramics have shown a bacteriostatic behaviour in dental implantology as well, which is protective against mucositis and peri-implantitis. The gradual but irreversible switch to ceramics that has been witnessed in hip arthroplasty over the last two decades tells us that it is only a matter of time before this also happens in the dental implantology.

Kindly invited.