

Cementing solutions in orthopedics

The successful, long-term performance of orthopedic implants depends on: implant material, prosthesis design, biocompatibility of the component, wear of the articular surfaces, quality of the bone and stability of fixation.

Long term stability of implant fixation in bone can be achieved with either biological or cemented anchorage. Cemented anchorage achieves fixation with the help of a form-fitting cement that fills the gaps between the implant and the inner surface of the trabecular bone.

Today, the use of polymethylmethacrylate (PMMA) bone cement is a widely used method of implant fixation. This fixation technique largely contributes to the success of modern joint replacement.

OSARTIS® offers a wide range of PMMA bone cements and accessories for application in arthroplasty procedures.

High quality PMMA bone cements e.g. **BonOs® R**, **BonOs® R Genta** serve as filler between prosthesis components and bone to anchor the endoprosthetic parts firmly and securely to the bone. Both cements contribute to the longevity and functionality of the endoprosthesis. Moreover, aap offers to the customers a sterile disposable vacuum mixing system e.g. **EasyMix®** for mixing PMMA bone cement safely. Furthermore additional aap Implantate AG provides accessories such as lavage systems e.g. **Pulsa® Clean** and cement restrictors e.g. **C-Plug®** and **PE-cement restrictor**.