

Aesculap® Orthopaedics Allergy Solution (AS)

AS implants - The innovative solution to prevent allergic reactions.

The structure of a human body is complex. In case of artificial joint replacement the knee implants undertake all the knee functions, so that the patient is able to stand, to get up and above all to walk without pain. Nevertheless the implant is a foreign material in the human body which could cause an allergic reaction.

In the last decades many patients are affected by reactions to metals such as cobalt, nickel and chrome which are used in joint implants. Reactions could be as simple as eczemas, swellings or effusions.

The task of a modern knee implant is on the one hand to provide mobility combined with stability but on the other hand to guarantee the biocompatibility of the materials used.

B. Braun Aesculap® has developed in the field of knee arthroplasty an innovative solution for patients with metal hypersensitivity. The special coating of the AS implants is applied to the base implants by a sophisticated vapour deposition process.

This multilayer coating can reduce the release of cobalt, nickel and chrome which can cause allergic reactions.

As it is possible to coat every standard implant component we are the first supplier worldwide to offer such a broad product portfolio for the optimal protection of our patients.

If you suffer from a metal allergy, please inform your surgeon in time before the knee implant surgery takes place.

Advantages of AS

- Highest possible barrier due to the multilayer coating
- Reduces the release of nickel, cobalt, and chrome ions
- Sophisticated layer architecture for optimal adhesion, hardness, and bio-compatibility
- Wide range of AS components, therefore no compromises in implant components

