

Press Release: 29 October 2021

Efficient, smart and fully guided: Mathys presents the new Affinis Inverse Bone Grafting Instruments

With the new Affinis Inverse Bone Grafting Instruments, the medical technology company Mathys is expanding its portfolio in the field of shoulder endoprosthetics. The fully guided surgical technique supports the harvesting and manufacture of six differently shaped bone grafts from the humeral head, thereby enabling new forms of treatment for glenoid defects. The instruments will be available from 29 October 2021.

The Affinis Inverse Bone Grafting Instruments complement the portfolio of the Mathys Affinis Inverse Shoulder System with an additional option for the treatment of patients with more complex glenoid morphologies in rotator cuff defect arthropathy or proximal humerus fracture. Developed for compatibility and application with the Metaglène CP, the smart instruments ensure extremely efficient implantation of the prosthesis.

Demonstrated clinical need

Patients suffering from glenoid defects with simultaneous inverse shoulder prosthesis implantation have been shown to account for a significant proportion of the total number of difficult-to-treat surgical patients. The new instruments now offer a fully guided surgical technique for defect balancing that supports the harvesting of six different bone grafts from the humeral head. The Affinis Inverse Metaglène CP with its longer central peg can accommodate the bone graft and allows reconstruction of the anatomical joint line after glenoid erosion and osseous defects using an inverse shoulder prosthesis. With the 3D planning solutions MediCAD and Affinis Architec, Mathys furthermore supports operating surgeons in the preparation for surgery with the Affinis Inverse Metaglène CP in combination with a bone graft. Both solutions allow easy visualisation of the required graft as well as the placement of the implant, thereby improving the efficiency of interventions.

Shorter surgeries and lower risk of infection

Patients and operating surgeons benefit from reduced operating times thanks to the new Affinis Inverse Bone Grafting Instruments; in addition, infection risks and pain are reduced. The fully guided surgical technique does not require any additional surgical steps to harvest autograft material from the

iliac crest or allograft material from the bone bank. Preparation of the removed bone graft is enhanced and simplified with the Affinis Inverse Bone Grafting Back Table Instrument which features in the set.

Wider range of treatment options

Thanks to its precise compatibility with the Affinis Inverse Metaglène CP, the new instruments offer operating surgeons additional treatment options for a wider range of glenoid morphologies. The simple operation moreover ensures logical workflows and efficient implantation of the prosthesis. Arranged in a separate tray with a clear layout, the Bone Grafting instruments can be seamlessly integrated into the existing tray landscape for Affinis Inverse or Affinis Fracture Inverse, giving users a better overview of the entire instrument set.

Media contact

Michael Eichenberger
Product Manager Knee
Marketing International

Mathys AG Bettlach
Robert Mathys Strasse 5
CH-2544 Bettlach, Switzerland

Email: michael.eichenberger@mathysmedical.com

About Mathys Ltd Bettlach

Mathys is a globally operating company. Founded in 1946, the company has been active in medical technology since 1958. Since 2003, Mathys has focused exclusively on the development, manufacture and distribution of products for artificial joint replacements. The company's services include implants for hips, knees, and shoulders, as well as synthetic bone replacements. In 2013, Mathys moved into the field of sports orthopedics. Mathys has development and production sites in Switzerland and Germany, as well as subsidiaries in 11 countries. Overall, Mathys employs around 600 people.

www.mathysmedical.com