

Pioneering,
uncompromising
& bone preserving
Affinis Short

PIONEERING

As a forerunner of stemless shoulder prostheses, Affinis Short is defined by a ground-breaking implant design that combines the advantages of simple, anatomical reconstruction without major bone loss and thanks to the coating of the component, allows completely cementless anchorage in the humerus and glenoid.



UNCOMPROMISING



Uncompromising in the placement of the prosthesis as well as in the size gradation of the heads. This results in an anatomical reconstruction¹, which is fast and easy to revise.

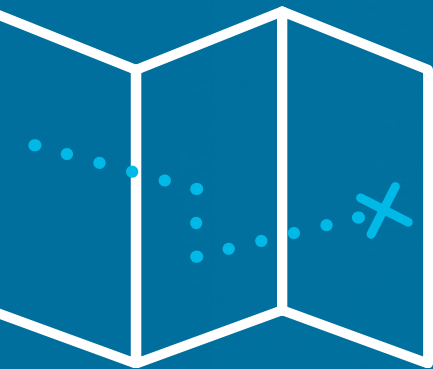
PROGRESSIVE



Defined by pioneering implant design as well as by advanced materials. The stable anchoring², the anatomical head design¹ and the wear resistant vitamys-ceramic articulation bearing³ underline these principles.

CLEVER

A straightforward set concept and a clever instrumentation simplify the workflow during implantation. Furthermore, all surgical steps are instrument guided, thereby reproducible results can be achieved.



The background of the slide is a blue-tinted X-ray of a human hip joint. A cementless hip prosthesis is visible, featuring a spherical head with two large, semi-circular cutouts and a rectangular neck. The femoral head is positioned on the left, and the acetabulum is on the right. The overall image has a medical and technological feel.

BONE PRESERVING

Less invasive than stemmed prostheses thanks to stemless, metaphyseal anchorage. In addition, the cementless fixation eliminates the risk of thermal damage to the surrounding bone during the curing of the bone cement. The sophisticated anchorage design allows straightforward stem and glenoid extraction. Important bone stock is preserved in the process.

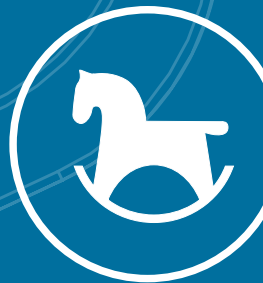
ESTABLISHED

Established primary procedure with 10 years of clinical experience and excellent registry data⁷.

**10 YEARS
CLINICAL
EXPERIENCE**

STABLE

The stable primary anchorage^{2,8} combined with bioactive calcium phosphate coated stem leads to a secure secondary stability^{4,5,6}. In addition, the enhanced glenoid vitamys design reduces the rocking horse effect².



References

- ¹ Koch M, Frankewycz B, Voss A, Kaeae M, Herrmann S, Alt V, Greiner S. 3D-Analysis of the Proximal Humeral Anatomy Before and After Stemless Shoulder Arthroplasty-A Prospective Case Series Study. J Clin Med. 2021 Jan 12;10(2):259.
- ² Data on file: 07_02 Test Conclusion Affinis Total_V01.
- ³ Alexander JJ, Bell SN, Coghlan J, Lerf R, Dallmann F. The effect of vitamin E-enhanced cross-linked polyethylene on wear in shoulder arthroplasty-a wear simulator study. J Shoulder Elbow Surg. 2019 Sep;28(9):1771-1778.
- ⁴ Karssiens TJ, Gill JR, Sunil Kumar KH, Sjolín SU. Clinical results and survivorship of the Mathys Affinis Short, Short Stem Total Shoulder Prosthesis. Bone Jt Open. 2021 Jan 22;2(1):58-65
- ⁵ McMillan TE, Neilly DW, Khan LAK, Cairns D, Barker SL, Kumar K, Midterm. Clinical and Radiological Survivorship of a Stemless Total Shoulder Arthroplasty. J Shoulder Elbow Surg. 2021 Dec;30(12):2795-2803.
- ⁶ Jordan RW, Kelly CP, Pap G, Joudet T, Nyffeler RW, Reuther F, Irlenbusch U. Mid-term results of a stemless ceramic on polyethylene shoulder prosthesis - A prospective multicentre study. Shoulder & Elbow 2021, Vol. 13(1) 67–77.
- ⁷ National Joint Registry for England, Wales, Northern Ireland and the Isle of Man. The latest report can be found at: www.njrreports.org.uk
- ⁸ Bell SN and Coghlan JA. Short stem shoulder replacement. Int J Shoulder Surg, 2014. 8(3): 72-75.

Preservation in motion



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