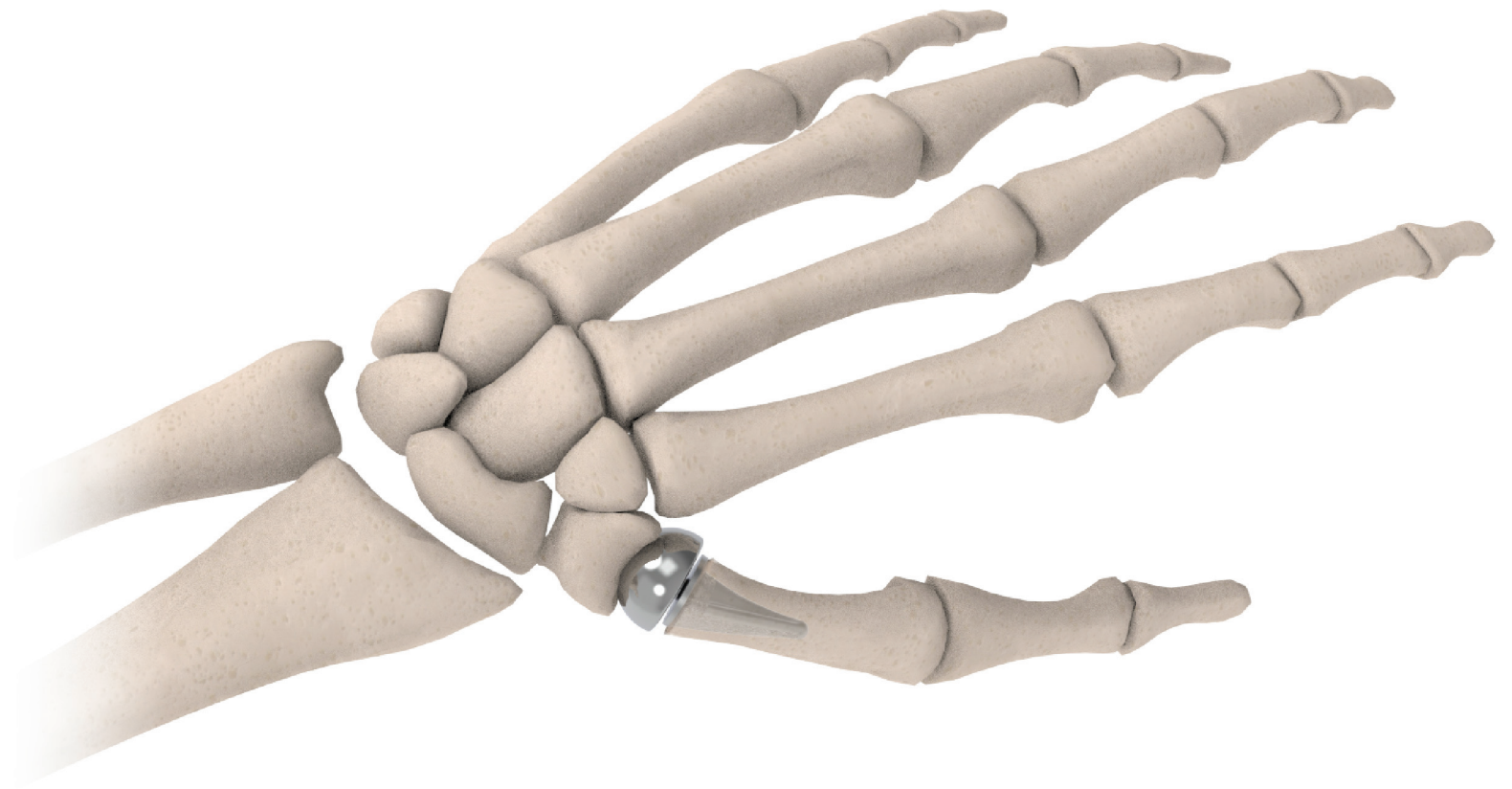


# Modular Thumb Implant

A proven customizable CMC joint implant solution.<sup>1,2</sup>





## Advancing the standard of care.

The BioPro® Modular Thumb Implant is a two-piece implant consisting of a head and a press-fit plasma-sprayed stem. The Modular Thumb is designed to address carpometacarpal (CMC) joint arthritis and the challenges with past implants including: dislocation, implant loosening and subluxation.

The implant is supported by two decades of combined clinical experience and research with published results of 94% survivorship at 6 years<sup>1</sup>. The patented modular design allows the head to be sized independently of the stem to match the patient's anatomy. The modularity along with the stems ulnar alignment has attributed to the promising advancement of cmc implant arthroplasty.

### Clinical Findings

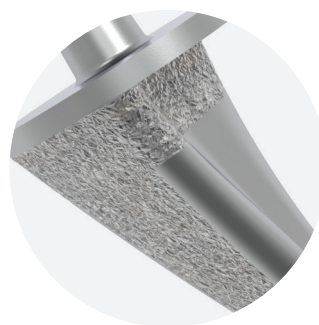
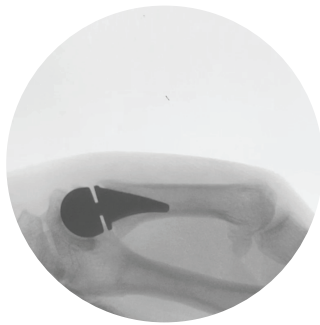
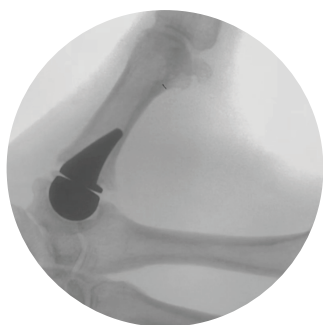
92.5-94% implant survivorship<sup>1,2</sup>

97% patient satisfaction<sup>1</sup>

1% subluxation rate<sup>1</sup>

Return of strength<sup>1,2</sup>

Recovery on average 10 weeks faster than LRTI<sup>1</sup>



### Ulnar Alignment

The stem features a 15 degree varus angle resulting in an ulnar alignment of the implant which directs the head of the implant to prevent dislocation during flexion and opposition.

### Titanium plasma spray

The stem features titanium plasma spray on the backside of the implant as well as underneath the platform. This allows for improved in-growth while still allowing the stem to be easily removed if necessary.

## 48 possible configurations.

The system features four stem sizes for the metacarpal, four head diameters and three head heights (offsets/neck lengths) for the trapezium. This patented, customizable approach allows the head of the implant to be maximized, evenly distributing the forces across the trapezium, reducing the incidence of trapezial remodeling and metacarpal subsidence. Additionally, three head offsets/neck lengths are available to assist in joint tensioning.



	Cobalt Chrome Heads	Titanium Heads
12mm	17199	17800
12mm+2	17238	17801
12mm+4	17500	20234
13mm	17005	17798
13mm+2	17239	17799
13mm+4	17501	20235
14mm	17006	17806
14mm+2	17240	17807
14mm+4	17507	20236
15mm	17007	17808
15mm+2	17241	17809
15mm+4	17508	20237

	Cobalt Chrome Stems	Titanium Stems
7.5mm	17596	17600
8.5mm	17597	17601
10mm	17598	17602
11.5mm	17599	17603
7.5mm+4 Revision	20050	
8.5mm+4 Revision	20048	
10mm+4 Revision	19294	
11.5mm+4 Revision	19295	



**Call us at 1-810-982-7777 to schedule a case today.**

1. James W. Pritchett MD, Louis S. Habryl DO. A Promising Thumb Basal Joint Hemiarthroplasty for Treatment of Trapeziometacarpal Osteoarthritis. Clinical Orthopaedics and Related Research. April 2012
2. John Faillace MD. Hemiarthroplasty Successfully Treats Thumb Basilar Arthritis. Presented at the American Academy of Orthopedic Surgeons 2017 Annual Meeting.

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Patents # 8,021,431 and # 8,366,785



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