MALLORY-HEAD™ HIP · PROGRAM

POROUS PRIMARY SYSTEM

BIOMET® ORTHOPEDICS

SINCE 1987

UNCHANGED DESIGN, UNSURPASSED CLINICAL RESULTS, UNCOMPROMISING TECHNOLOGY

A fusion of tapered and finned geometry, the Mallory-Head® Porous Primary System replicates near normal bone stresses and can provide for long-term stability and pain relief. Backed by more than 20 years of excellent clinical performance, the advanced design concepts of the Mallory-Head® System have demonstrated more than 99% survivorship with no osteolysis in numerous clinical studies.[1,2,4,5]

Proximal Finned Geometry

Encourages circumferential stress transfer to the femur, while resisting rotational and bending forces

PPS® Porous Plasma Spray

Allows for initial scratch-fit stability and bone ingrowth[6]

UNMATCHED CLINICAL RESULTS

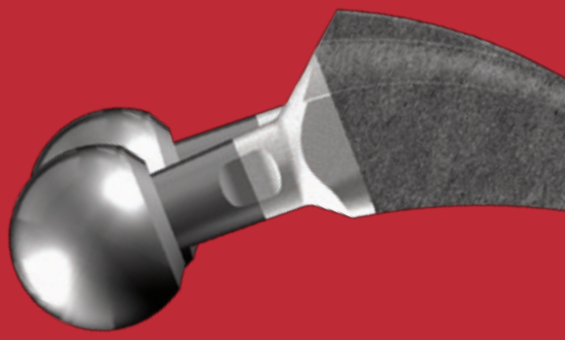
99.2% 99.2% survivorship at a follow-up of up to 18 years in 249 patients 40 years and younger, no osteolysis[1]

99.5% 99.5% survivorship at an 11 year follow-up of 188 patients, no osteolysis[2]

99.2% 99.2% survivorship at a 5–10 year follow-up in 451 patients, no osteolysis[4]

99.0% 99.0% survivorship at a 10–13 year follow-up in 307 patients, no osteolysis[5]

PROVEN OFFSET PHILOSOPHY



Femurs with greater horizontal offset often have a more varus neck shaft angle. For example, as stem size increases, the offset required also increases.[3] Based on this philosophy, the Mallory-Head® offset stem decreases the neck shaft angle, medially shifting the trunion and increasing neck length, while not affecting leg length.

MALLORY-HEAD® LATERALIZED OFFSETS

Stem Size	Additional Offsets
8–10mm	6mm
11–14mm	7mm
15–17mm	8mm

REFERENCES

1. Mallory-Head Primary Press-Fit Replacement. Presented at AAOS, 1996.

2. Bourne, R.B. *et al.* Tapered Titanium Cementless Total Hip Replacements a 10- to 13-Year Follow-Up. *Clinical Orthopaedics and Related Research.* 393: 112–120, 2001.

3. Head, W.C. Mallory, T.H. Emerson, Jr., R.H. The Proximal Porous Coating Alternative for Primary Total Hip Arthroplasty. *Orthopedics.* 22: 813, 1999.

4. Hoffman, A.A. Response of Human Cancellous Bone to Identically Structured Commercially Pure Titanium and Cobalt Chromium Alloy Porous-Coated Cylinders. *Clinical Materials.* 14: 101–115, 1993.

5. Davey, J.R. Tozakoglou, E. The Role of Lateral Offset Stems. *Orthopaedic Transactions.* 22(1): 273, 1999.

6. Emerson, R. *et al.* Effect of Circumferential Plasma-Spray Porous Coating on the Rate of Femoral Osteolysis after Total Hip Arthroplasty. *Journal of Bone and Joint Surgery.* 81: 1291–8, 1999.

For general risk information on hip products, please see Biomet's website.

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