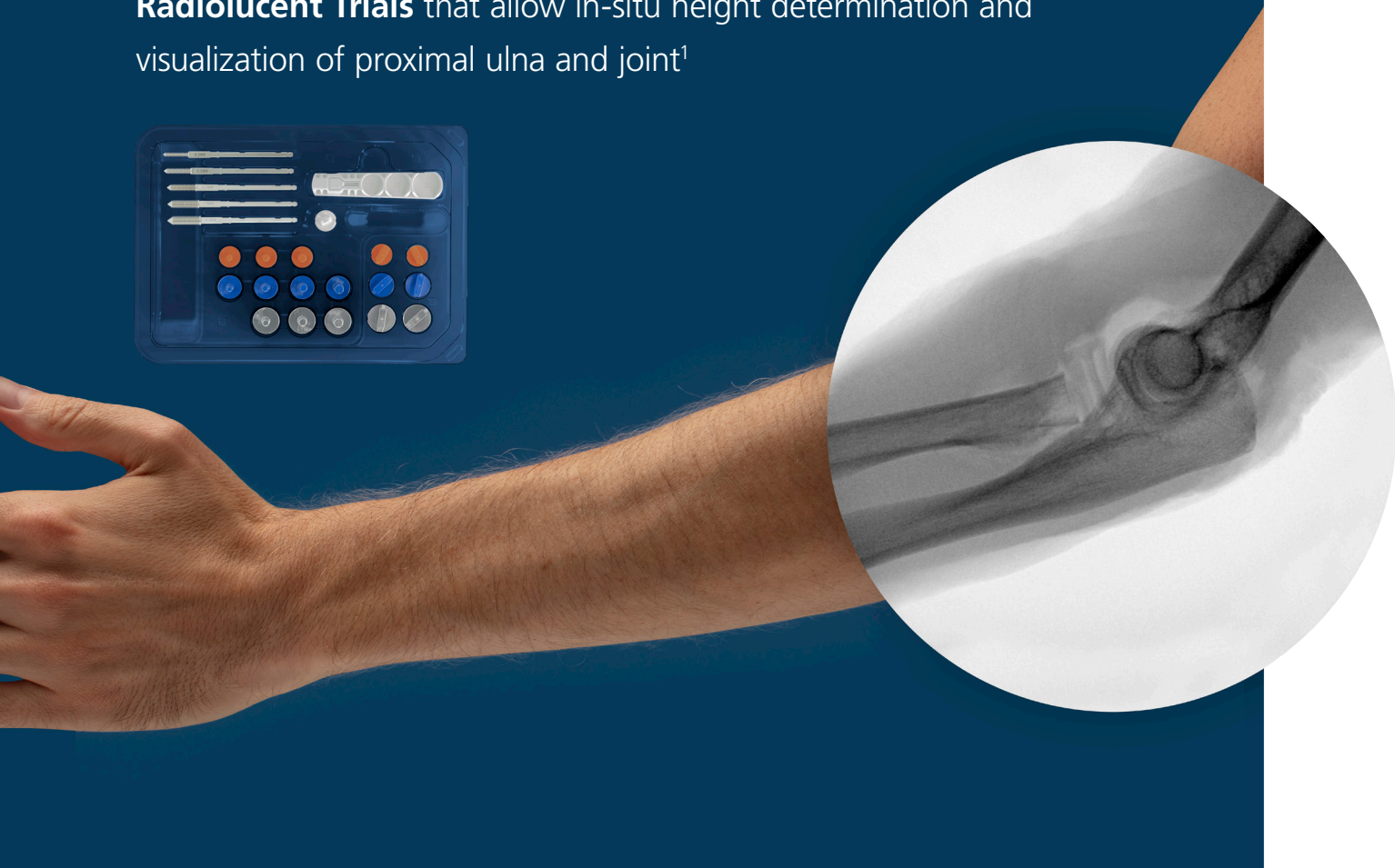


# SEE BETTER SIZE BETTER<sup>1</sup>

The first **Radial Head Replacement System** with color-coded **Radiolucent Trials** that allow in-situ height determination and visualization of proximal ulna and joint<sup>1</sup>



RADIAL  
HEAD REPLACEMENT  
SYSTEM



# RADIAL HEAD REPLACEMENT SYSTEM

## SMOOTH STEM DESIGN

### Placement, Positioning, and Optimal Mechanics

- May enhance the implant's ability to **self-align** and "**dial in**" when the elbow goes through a range of motion and may articulate with the capitellum throughout the entire arc of motion<sup>2,3</sup>
- Associated with **less removal due to implant loosening** than press-fit implants<sup>4-11</sup>



## THE NEED FOR ACCURATE SIZING OF RADIAL HEAD REPLACEMENTS

Radial head fractures present a common problem

- 33% of all elbow injuries<sup>12,13</sup>
- Reduce the quality of life for patients<sup>12,13</sup>

Inaccurate sizing can lead to common complications after surgery

- Decreased range of motion<sup>14</sup>
- Elbow stiffness<sup>14</sup>
- Capitellum erosion<sup>14</sup>
- Elbow and/or wrist pain both post-operatively and long term<sup>14</sup>



Common problems with under or overstuffing

- Undersizing a radial head implant may fail to stabilize the elbow properly<sup>14</sup>
- Lengthening of 2.5 mm or more alters joint kinematics and leads to excessive radiocapitellar load<sup>14</sup>

# THE SEE BETTER SIZE BETTER SYSTEM

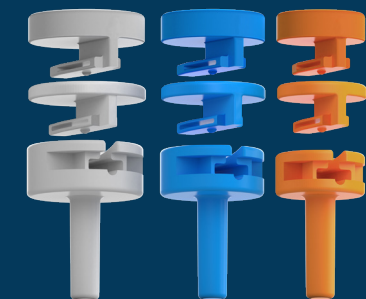
## RADIOLUCENT COLOR-CODED PLASTIC TRIALS See More Than Metal

- Designed for **better visualization** of proximal ulna and joint<sup>1</sup>
- Allow for **in-situ height determination** without repeated removal of trial stems<sup>1</sup>
- Facilitate **increased visibility**<sup>1</sup>



## INDICATIONS

For replacement of the radial head for degenerative or post-traumatic disabilities presenting pain, crepitation, and decreased motion at the radio-humeral and/or proximal radio-ulnar joint with joint destruction and/or subluxation visible on x-ray and/or resistance to conservative treatment; for primary replacement after fracture of the radial head or symptomatic sequelae after radial head resection.



# STERILE SINGLE-USE INSTRUMENT KITS

## Complete, Compact, Efficient

- Aim to improve **efficiency, reduce costs, and minimize delays**<sup>15-19</sup>
- May translate to **less time** spent pre-operatively searching for equipment<sup>18</sup>



### ORDERING INFORMATION

PART #	DESCRIPTION
03.405.000S	Radial Head Replacement Instrument Kit, Sterile
09.405.950S	Radial Head w/ Ø19mm Head, Ø5.5mm Stem, 9(+0)mm Head Height, Sterile
09.405.953S	Radial Head w/ Ø19mm Head, Ø5.5mm Stem, 9(+3)mm Head Height, Sterile
09.405.956S	Radial Head w/ Ø19mm Head, Ø5.5mm Stem, 9(+6)mm Head Height, Sterile
09.405.960S	Radial Head w/ Ø19mm Head, Ø6.5mm Stem, 9(+0)mm Head Height, Sterile
09.405.963S	Radial Head w/ Ø19mm Head, Ø6.5mm Stem, 9(+3)mm Head Height, Sterile
09.405.966S	Radial Head w/ Ø19mm Head, Ø6.5mm Stem, 9(+6)mm Head Height, Sterile
09.405.970S	Radial Head w/ Ø19mm Head, Ø7.5mm Stem, 9(+0)mm Head Height, Sterile
09.405.973S	Radial Head w/ Ø19mm Head, Ø7.5mm Stem, 9(+3)mm Head Height, Sterile
09.405.976S	Radial Head w/ Ø19mm Head, Ø7.5mm Stem, 9(+6)mm Head Height, Sterile
09.405.250S	Radial Head w/ Ø22mm Head, Ø5.5mm Stem, 10(+0)mm Head Height, Sterile
09.405.253S	Radial Head w/ Ø22mm Head, Ø5.5mm Stem, 10(+3)mm Head Height, Sterile
09.405.256S	Radial Head w/ Ø22mm Head, Ø5.5mm Stem, 10(+6)mm Head Height, Sterile
09.405.260S	Radial Head w/ Ø22mm Head, Ø6.5mm Stem, 10(+0)mm Head Height, Sterile
09.405.263S	Radial Head w/ Ø22mm Head, Ø6.5mm Stem, 10(+3)mm Head Height, Sterile
09.405.266S	Radial Head w/ Ø22mm Head, Ø6.5mm Stem, 10(+6)mm Head Height, Sterile
09.405.270S	Radial Head w/ Ø22mm Head, Ø7.5mm Stem, 10(+0)mm Head Height, Sterile
09.405.273S	Radial Head w/ Ø22mm Head, Ø7.5mm Stem, 10(+3)mm Head Height, Sterile
09.405.276S	Radial Head w/ Ø22mm Head, Ø7.5mm Stem, 10(+6)mm Head Height, Sterile
09.405.280S	Radial Head w/ Ø22mm Head, Ø8.5mm Stem, 10(+0)mm Head Height, Sterile
09.405.283S	Radial Head w/ Ø22mm Head, Ø8.5mm Stem, 10(+3)mm Head Height, Sterile
09.405.286S	Radial Head w/ Ø22mm Head, Ø8.5mm Stem, 10(+6)mm Head Height, Sterile
09.405.560S	Radial Head w/ Ø25mm Head, Ø6.5mm Stem, 11(+0)mm Head Height, Sterile
09.405.563S	Radial Head w/ Ø25mm Head, Ø6.5mm Stem, 11(+3)mm Head Height, Sterile
09.405.566S	Radial Head w/ Ø25mm Head, Ø6.5mm Stem, 11(+6)mm Head Height, Sterile
09.405.570S	Radial Head w/ Ø25mm Head, Ø7.5mm Stem, 11(+0)mm Head Height, Sterile
09.405.573S	Radial Head w/ Ø25mm Head, Ø7.5mm Stem, 11(+3)mm Head Height, Sterile
09.405.576S	Radial Head w/ Ø25mm Head, Ø7.5mm Stem, 11(+6)mm Head Height, Sterile
09.405.580S	Radial Head w/ Ø25mm Head, Ø8.5mm Stem, 11(+0)mm Head Height, Sterile
09.405.583S	Radial Head w/ Ø25mm Head, Ø8.5mm Stem, 11(+3)mm Head Height, Sterile
09.405.586S	Radial Head w/ Ø25mm Head, Ø8.5mm Stem, 11(+6)mm Head Height, Sterile

Radial Head Replacement System allows for direct and radiographic visualization of the radio-capitellar, proximal radio-ulnar, and ulno-humeral joints during trialing.<sup>1,20</sup>

**Clear visualization** with Radiolucent Trials ensures that the chosen implant allows for a **degree of play** within the radial neck, helping the implant remain **centered** during elbow motion.<sup>2</sup> In addition, single-use instrumentation allows for **efficiency and cost savings**.<sup>1,16,20,21</sup>

**References:** 1. DePuy Synthes Report: See Better Size Better Memo. 2019. Ref: 0000290188. 2. Acevedo DC, Paxton ES, Kukelyansky I, Abboud J, Ramsey M. Radial head arthroplasty: state of the art. *J Am Acad Orthop Surg.* 2014;22(10):633-642. 3. Szmít J, King GJ, Johnson JA, Langohr DG. The effect of stem fit on the radiocapitellar contact mechanics of a metallic axisymmetric radial head hemiarthroplasty: is loose fit better than rigidly fixed? *J Shoulder Elbow Surg.* 2019;28:2394-2399. 4. Flinkkilä T, Kaisto T, Sirmö K, Hyvönen P, Leppilähti J. Short- to mid-term results of metallic press-fit radial head arthroplasty in unstable injuries of the elbow. *J Bone Joint Surg Br.* 2012;94(6):805-810. 5. Allavena C, Delclaux S, Bonneville N, Rongières M, Bonneville P, Mansat P. Outcomes of bipolar radial head prosthesis to treat complex radial head fractures in 22 patients with a mean follow-up of 50 months. *Orthop Traumatol Surg Res.* 2014;100(7):703-709. 6. Nestorson J, Josefsson PO, Adolfsson L. A radial head prosthesis appears to be unnecessary in Mason-IV fracture dislocation. *Acta Orthop.* 2017;88(3):315-319. 7. Rodriguez-Quintana D, Comulada DB, Rodriguez-Quintana N, Lopez-Gonzalez F. Radial head ingrowth anatomic implant versus smooth stem monoblock implant in acute terrible triad injury: a prospective comparative study. *J Orthop Trauma.* 2017;31(9):503-509. 8. Grewal R, MacDermid JC, Faber KJ, Drosdowech DS, King GJ. Comminuted radial head fractures treated with a modular metallic radial head arthroplasty. Study of outcomes. *J Bone Joint Surg Am.* 2006;88(10):2192-2200. 9. Duckworth AD, Wickramasinghe NR, Clement ND, Court-Brown CM, McQueen MM. Radial head replacement for acute complex fractures: what are the rate and risks factors for revision or removal? *Clin Orthop Relat Res.* 2014;472(7):2136-2143. 10. Moghaddam A, Raven TF, Dremel E, Studier-Fischer S, Grutzner PA, Biglari B. Outcome of radial head arthroplasty in comminuted radial head fractures: short and midterm results. *Trauma Mon.* 2016;21(1):e20201. 11. Doornberg JN, Parisien R, van Duijn PJ, Ring D. Radial head arthroplasty with a modular metal spacer to treat acute traumatic elbow instability. *J Bone Joint Surg Am.* 2007;89(5):1075-1080. 12. Pappas N, Bernstein J. Fractures in brief: radial head fractures. *Clin Orthop Relat Res.* 2010;468(3):914-916. 13. Pike JM, Athwal GS, Faber KJ, King GJ. Radial head fractures: an update. *J Hand Surg Am.* 2009;34(3):557-565. 14. Van Glabbeek F, Van Riet RP, Baumfeld JA, et al. Detrimental effects of overstuffing or understuffing with a radial head replacement in the medial collateral ligament deficient elbow. *J Bone Joint Surg Am.* 2004;86(12):2629-2635. 15. Shippert RD. A study of time-dependent operating room fees and how to save \$100,000 by using time-saving products. *Am J Cosmetic Surg.* 2005;22(1):25-34. 16. Traverso LW, Hargrave K. A prospective cost analysis of laparoscopic cholecystectomy. *Am J Surg.* 1995;169(5):503-506. 17. Anwar F, Shoab RF. Critical incident identification in common orthopaedic injury. *J Pak Med Assoc.* 2009;59(2):71-74. 18. McCormack J. Satisfy surgeons by improving instrument turnaround time. *Mater Manag Health Care.* 1995;4(8):18,20. 19. Harden JL, Hiscox JA. Cost savings and quality improvement—single-use suture instruments? *Scott Med J.* 2006;51(3):30-33. 20. Ford S. Nurses waste 'an hour a shift' finding equipment. *Nurs Times.* 2009;105(5):1. 21. Wong J, Khu KJ, Kaderali Z, Bernstein M. Delays in the operating room: signs of an imperfect system. *Can J Surg.* 2010;53(3):189-195.

**RADIAL HEAD REPLACEMENT SYSTEM**

Please also refer to the package insert(s) or other labeling associated with the devices identified in this brochure for additional information.

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