

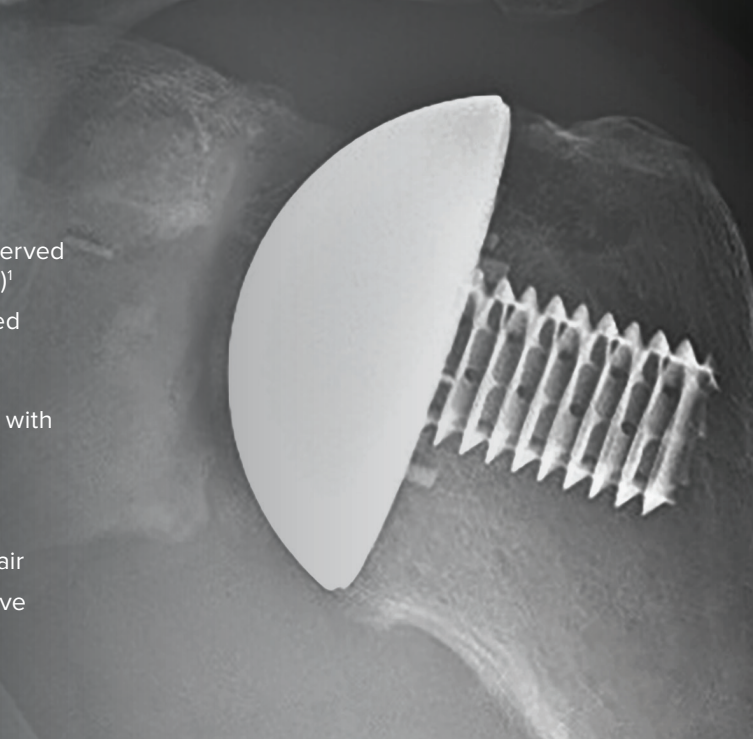
ECLIPSE™

A Decade of Evidence-Based Outcomes

- No humeral loosening or stress shielding observed at mean follow-up of 11 years (105-157 months)¹
- Proprietary cage-screw fixation shows reduced medial calcar osteolysis when compared to impaction-type stemless designs²
- Only canal-sparing anatomic humeral implant with peer-reviewed, long-term follow-up

Eclipse SpeedScap™ Subscapularis Repair

- Robust instrument-guided, anchor-based repair
- Knotless double-row construct to restore native anatomy and maximize footprint compression



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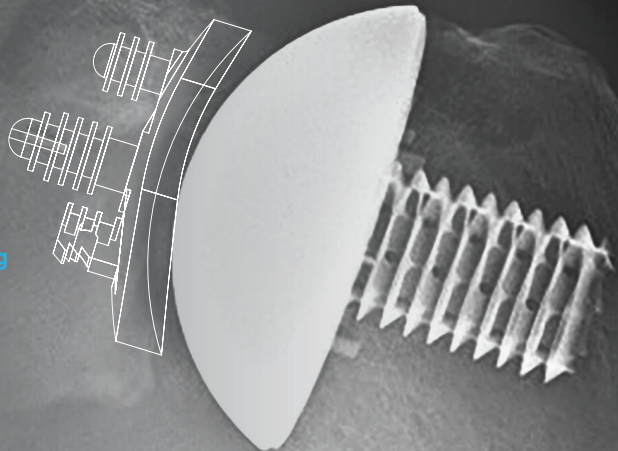
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Univers VaultLock® Glenoid

- Increased resistance to compressive and eccentric forces that can cause loosening³
- Reduced risk for loosening when compared to standard all-cemented, pegged designs⁴
- Statistically improves radiolucency scores^{5,6}
- Improved subjective and constant scores relative to glenohumeral mismatch⁷

Virtual Implant Positioning™ (VIP) Preoperative Planning

- Operate within 72 hours of finalizing your preoperative plan with patient-specific, reusable instrumentation
- Improves surgeon decision-making⁸
- Improves implant position accuracy⁹⁻¹¹
- Reduced potential for post-op complications¹²



References

1. Magosch P, Lichtenberg S, Habermeyer P. Survival of stemless humeral head replacement in anatomic shoulder arthroplasty. A prospective study [published online October 31, 2020]. *J Shoulder Elbow Surg.* 2020;S1058-2746(20)30830-2. doi:10.1016/j.jse.2020.09.034
2. Alikhah A, Imiolczyk J, Kruenberg A, Scheibel M. Screw fixation in stemless shoulder arthroplasty for the treatment of primary osteoarthritis leads to less osteolysis when compared to impaction fixation. *BMC Musculoskelet Disord.* 2020;21(1):295. doi:10.1186/s12891-020-03277-3
3. Walch G, Young AA, Boileau P, Loew M, Gazieli D, Mole D. Patterns of loosening of polyethylene keeled glenoid components after shoulder arthroplasty for primary osteoarthritis: results of a multicenter study with more than five years of follow-up. *J Bone Joint Surg Am.* 2012;94(2):145-150. doi:10.2106/JBJS.J.00699
4. Dillon MT, Chan PH, Prentice HA, et al. The association between glenoid component design and revision risk in anatomic total shoulder arthroplasty. *J Shoulder Elbow Surg.* 2020;29(10):2089-2096. doi:10.1016/j.jse.2020.02.024
5. Walch G, Edwards TB, Boulahia A, Boileau P, Mole D, Adeleine P. The influence of glenohumeral prosthetic mismatch on glenoid radiolucency: results of a multicenter study. *J Bone Joint Surg Am.* 2002;84(12):2186-2191. doi:10.2106/00004623-200212000-00010
6. Denard PJ, Werner BC, Gobeze R, Tokish JM, Kissenberth MJ, Lederman E. Lower rates of radiolucency with a hybrid all-polyethylene pegged glenoid component compared to a completely cemented pegged glenoid component. *Seminars in Arthroplasty: JSES.* 2020;30(1):56-62. doi:10.1053/j.sart.2020.05.002.
7. Hasler A, Meyer DC, Tondelli T, Dietrich T, Gerber C. Radiographic performance depends on the radial glenohumeral mismatch in total shoulder arthroplasty. *BMC Musculoskelet Disord.* 2020;21(1):206. doi:10.1186/s12891-020-03219-z
8. Werner BS, Hudek R, Burkhart KJ, Gohlke F. The influence of three-dimensional planning on decision-making in total shoulder arthroplasty. *J Shoulder Elbow Surg.* 2017;26(8):1477-1483. doi:10.1016/j.jse.2017.01.006
9. Iannotti JP, Walker K, Rodriguez E, Patterson TE, Jun BJ, Ricchetti ET. Accuracy of 3-dimensional planning, implant templating, and patient-specific instrumentation in anatomic total shoulder arthroplasty. *J Bone Joint Surg Am.* 2019;101(5):446-457. doi:10.2106/JBJS.17.01614.
10. Heylen S, Van Haver A, Vuylsteke K, Declercq G, Verborgt O. Patient-specific instrument guidance of glenoid component implantation reduces inclination variability in total and reverse shoulder arthroplasty. *J Shoulder Elbow Surg.* 2016;25(2):186-192. doi:10.1016/j.jse.2015.07.024
11. Scalise JJ, Codsí MJ, Bryan J, Brems JJ, Iannotti JP. The influence of three-dimensional computed tomography images of the shoulder in preoperative planning for total shoulder arthroplasty. *J Bone Joint Surg Am.* 2008;90(11):2438-2445. doi:10.2106/JBJS.G.01341
12. Clancieen JM, Dempsey LJ, Garrigues GE, Cole BJ, Brockmeier SF, Werner BC. Trends and impact of three-dimensional preoperative imaging for anatomic total shoulder arthroplasty [published online March 2, 2020]. *Shoulder Elbow.* 2020. doi:10.1177/1758573220908865