



3.5MM LOCKING ATTACHMENT PLATE (LAP)

A **less invasive alternative to cerclage cables** that bypasses a prosthesis stem and provides an angular stable solution^{1,2}

Attaches to DePuy Synthes 4.5 LCP® and VA-LCP® Plates via a dedicated connection screw at the locking hole of the plate. Available in 4-hole and 8-hole, in stainless steel and titanium.

EPIDEMIOLOGY

UP TO **18%**

of patients will experience a **Periprosthetic Fracture (PPFx)** following a **Total Hip Arthroplasty (THA)** Procedure³

BY **2030** THA IS PROJECTED TO RISE BY



PPFx occur most often in

ELDERLY PATIENTS WITH SIGNIFICANT MEDICAL COMORBIDITIES⁴

MORTALITY RATE FOLLOWING FEMORAL **PPFx** reported as high as **27%**

IN THE FIRST YEAR⁴

CLINICAL COMPLICATIONS

BROKEN cerclage cables

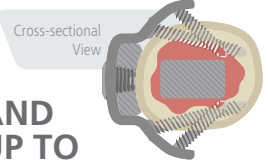
remain a **surgical problem⁵**

RE

OPERATION

rate following PPFx is up to **33.9%** for plate fixation and up to **43.9%** for repair with only cerclage cables¹

LAP UP TO **73%** MORE CYCLES TO FAILURE⁶



AND UP TO

42%

INCREASE IN STIFFNESS compared to cerclage cables⁶

BIOMECHANICAL TESTING

LOCKING ATTACHMENT PLATE BENEFITS

LAP IS A

LESS INVASIVE

option that has the potential to limit compromise of the **periosteal blood supply¹**

PROVIDES STIFF, BICORTICAL FIXATION FOR INCREASED ROTATIONAL STABILITY

LAP provides a **stronger, stiffer construct** than an orthopedic cable^{1,6}

PUBLISHED CLINICAL RESULTS

1. Kammerlander C, Kates SL, Wagner M, Roth T, Blauth M. Minimally Invasive Periprosthetic Plate Osteosynthesis Using the Locking Attachment Plate. Oper Orthop Traumatol 2013; 25: 398-410.
2. Wagner M, Schutz M, Lorch D, Norris B, Nork S, Kregor P. Trauma Lower Extremity: 3.5 Locking Attachment Plate. AGIX TK System Innovations 2010; (1): 34-36.
3. Toogood P, Vail T. Periprosthetic Fractures: A Common Problem with a Disproportionately High Impact on Healthcare Resources. The Journal of Arthroplasty 2015; 1688-1691.
4. Drew J, Griffin W, Odum S, Van Doren B, Weston B, Stryker L. Survivorship After Periprosthetic Femur Fracture: Factors Affecting Outcome. The Journal of Arthroplasty 2016; 1283-1288.
5. Lenz M, Perren SM, Richards RJ, Mückley T, Hofmann GO, Gueorguiev B, Windolf M. Biomechanical Performance of Different Cable and Wire Cerclage Configurations. International Orthopaedics 2013; 37:125-130.
6. Lenz M, Windolf M, Mückley T, Hofmann G, Wagner M, Richards R, Schwieger K, Gueorguiev B. The Locking Attachment Plate for Proximal Fixation of Periprosthetic Femur Fractures - a Biomechanical Comparison of Two Techniques. International Orthopaedics 2012; 36:1915-1921.