FEMORAL NECK SYSTEM (FNS)

A dedicated solution for femoral neck fractures, designed for improved angular stability¹ and rotational stability² with the intent to reduce reoperations related to fixation complications.

The FNS implant consists of an antirotation-screw, a bolt and the option of a one or two hole side plate. These components are inserted through a targeted insertion handle over one central guide wire.

EPIDEMIOLOGY

HIP FRACTURE RATES are expected to rise, from 4M today to up to 6.3M in 2050³

50% of hip fractures are femoral neck fractures – one of the most traumatic injuries in the elderly²

REOPERATION RATES AS HIGH AS 33% DUE TO VARIOUS COMPLICATIONS*⁴,⁵

CLINICAL COMPlications*

UNSTABLE CONSTRUCT leading to VARUS COLLAPSE resulting in a rate of up to 13% with cannulated screws⁵,⁶

REPORTED THIGH PAIN resulting from LATERAL IMPLANT PROTRUSION in up to 5% of cases⁵,⁷

INVASIVE SURGICAL APPROACH which contributes to INFECTION in up to 10% of cases with sliding hip screws²

MINIMIZED IMPLANT FOOTPRINT on the bone compared to a sliding hip screw⁶

DYNAMIC DESIGN with up to 20MM of CONTROLLED COLLAPSE

FNS offers a minimum of 100% MORE RESISTANCE TO VARUS COLLAPSE (leg/neck shortening) compared to 3 cannulated screws¹

DESIGN EVIDENCE

INSION SIZE REDUCED by approximately 9CM when compared to a sliding hip screw⁶


*Percentages are quotes directly from the cited literature. Other publications may report different results.
†Benchtop testing may not be indicative of clinical performance.
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