The Gannet implant
Wings for stability
Forgiveness for surgeons

The Gannet is an implant for the fixation of femoral neck fractures. The Gannet is characterised by high rotational stability, low implant volume and easy surgical technique.

The Gannet contributes to improved patient care because of a reduction of more than 50% of reinterventions as compared to other standard solutions. The low reintervention rate has been demonstrated in a prospective multicentre study.
Characteristics of the Gannet are its high rotational stability, low implant volume, angular stability and its simple instrumentation and surgical technique. Biomechanical analysis proved that rotational stability of the Gannet is three times higher than rotational stability of a Sliding Hip Screw.

The Gannet consists of a 2-hole standard 135° barreled side-plate combined with a low volume cannulated locking blade. Two side wings at the tip of the blade provide rotational stable fixation of the locking blade in the femoral head. The expandable impaction anchors lock the blade in the femoral head.

Upon anatomical reduction of the fracture and subsequent lateral approach a guide wire is placed centrally in the femoral head. After cannulated reaming, the locking blade together with a two-hole side plate is introduced over the guide wire and gently tapped in while the mounted side plate functions as a guide. The side plate is fixed to the femur and the impaction anchors are expanded. On removal, turning the setscrew counter clockwise retracts the impaction anchors. After removal of the cortical screws the locking blade together with the side plate is tapped out by means of an extractor.
The treatment of the intracapsular hip fractures remains controversial and is therefore referred to as "the unsolved fracture". Review studies indicate an incidence of non-union of 6% and avascular necrosis of 4% for the undisplaced fractures and for displaced fractures an incidence of non-union of 33% and avascular necrosis of 16%.

We analysed the biological, surgical, as well as the implant related factors contributing to the high failure rate and suggested the characteristics of the 'ideal' implant in the fixation of femoral neck fractures: the Dynamic Locking Blade Plate (DLBP). Now known as 'Gannet'.

The Gannet implant is setting new standards in the surgical treatment of femoral neck fractures.
- Low reintervention rates as compared to standard techniques.
- Easy and fast surgical procedure.
- Improved patient care.
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Get in touch

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