

400 years ago Galileo developed the telescope to reach new frontiers in astronomy...



This year Pega Medical developed the Free-Gliding SCFE Screw to reach new frontiers in pediatric orthopedics



The Free-Gliding SCFE Screw System specifically designed to treat the most common hip problem in growing children: SLIPPED CAPITAL FEMORAL EPIPHYSIS, continues with the tradition of Pega Medical's family of innovative pediatric devices. This screw is intended to prophylactically prevent or stop further slippage of the capito-femoral physis, in children with open growth plates, without affecting the normal growth of the proximal femur. Medial and lateral threaded fixations, connected through a trilobe self-extending shaft, increase overall stability (both longitudinal and rotational) without the risk of premature physal closure. **The Free-Gliding SCFE Screw System** allows for physiological remodeling of the femoral head, maintaining optimal neck/shaft ratio thus eliminating any negative impact on the biomechanical function of the hip muscles and load distribution.

Growing advantages for growing patients:

- **Allows normal growth**
- **Increased fixation and rotational stability**
- **Avoids protruding screw placement**
- **Avoids premature closure or alteration of the physal plate**
- **Easy removal**



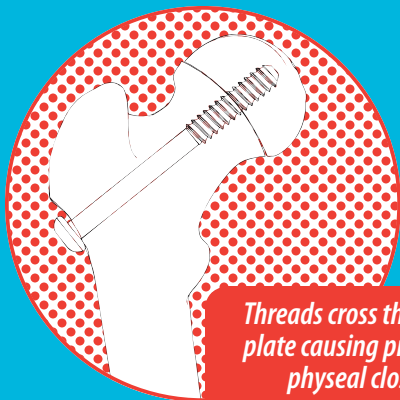
US Patent Pending





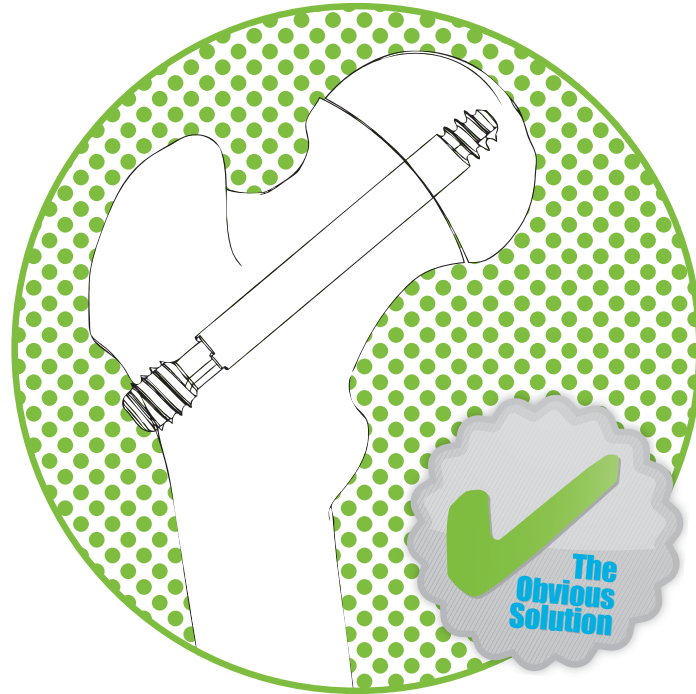
SCFE
SCREW **FREE
GLIDING**
by Pega Medical

The **Free-Gliding SCFE Screw System** is a self-extending cannulated screw intended for use in fixation of Slipped Capital Femoral Epiphysis and femoral neck fractures. The design of the screw includes a male component (which is attached to the lateral cortex) and a female component (which is attached at the proximal epiphysis). Anchorage of the components is achieved through threaded fixation. Stable fixation and rotational stability is created at the fracture (slip) site while avoiding compression forces thus avoiding premature growth arrest.

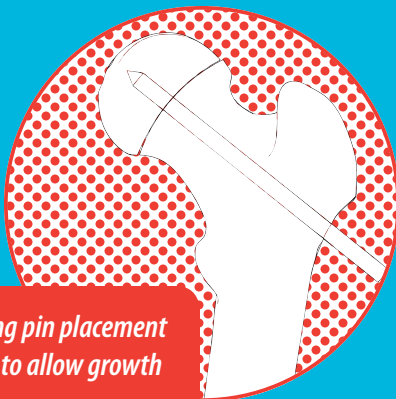


Fully or partially threaded screws

Threads cross the growth plate causing premature physal closure



Pin fixation



Protruding pin placement required to allow growth

The **Free-Gliding SCFE Screw System** is manufactured in medical grade Stainless Steel (316L, ASTM F138). It is available in 6.5 mm and 7.3 mm diameters. Two males (short and long) and 11 female sizes are combined to cover a range from 60 mm to 102 mm in 2 mm increments with a maximum of 30 mm of growth potential.



Laterally threaded screws

Loss of support and continued slippage



Ø: 6.5 & 7.3 mm
L: 60 – 102 mm / 2 mm incr.

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