



Enjoy Mobility

SPHERUS TALAR SCREW

OPERATING TECHNIQUE



SPHERUS TALAR SCREW

OPERATING TECHNIQUE

SPHERUS talus screw is designed for surgical correction of flat foot or rearfoot valgus in children, it was developed by the Paediatric Orthopedic and Traumatological Division of "Istituto Ortopedico Rizzoli".

Spherus talus screw has proved particularly effective since its ample area of contact and support helps to stabilize the calcaneus by distributing the load pressure.

This minimize the risk of the talus screw becoming mobile or penetrating the calcaneus.

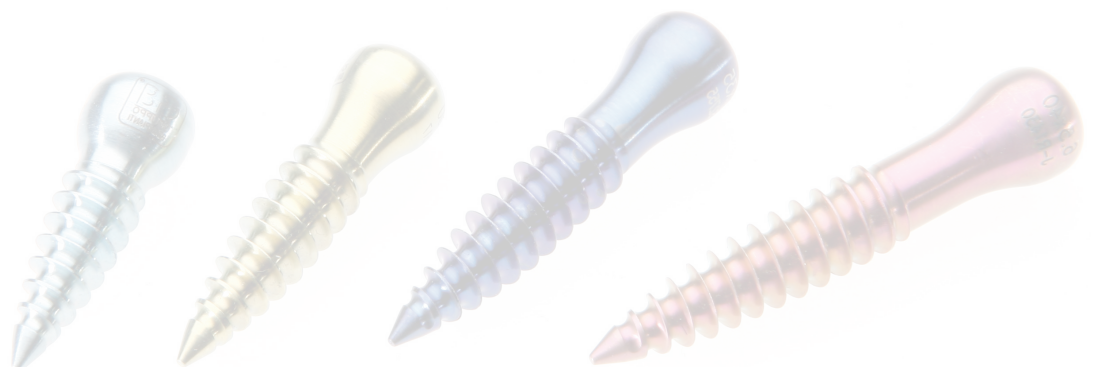
INDICATIONS

- Flat Foot
- Rearfoot valgus

MATERIALS

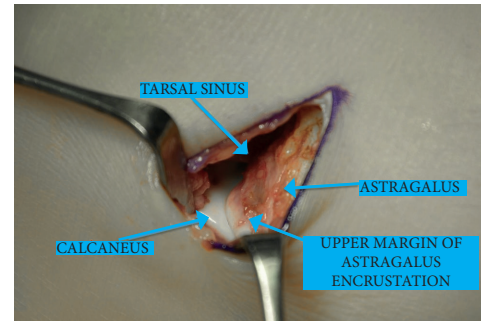
Titanium alloy Ti 6Al 4V 5ELI: guarantees an optimum biocompatibility and mechanical strength.

Anodizing surface treatment gives the screw various colourings according to the length.



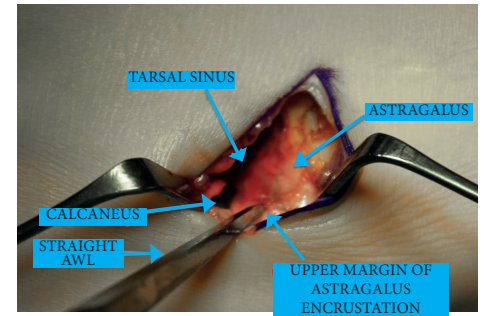
1 Surgical Access

The patient is positioned supine with a cushion of sand under the homolateral gluteus. A tourniquet may be placed. Perform a cutaneous incision of about 2cm, slightly oblique, coinciding with the skinfolds, on the outer edge of the foot, at the front of the malleolus and next to the tarsal sinus. Once the subcutaneous tissue is dissected, open the tarsal sinus and expose the joint between astragalus and tarsus.



2 Screw Housing preparation

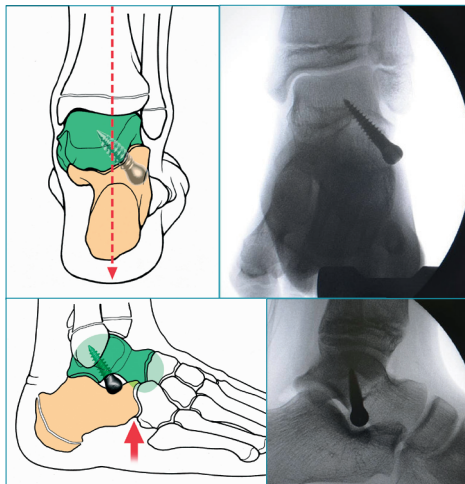
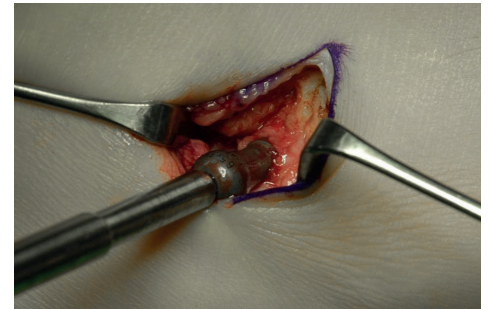
Keeping the foot at right angle, at maximum supination allowed, prepare the screw housing, under X-Rays control, by inflicting the Straight Screwdriver (Ref. 210052000) in the antero-external side of the astragalus body, immediately above the astragal articular cartilage.



3 Screw Insertion

Once the Straight Awl is extracted, keep the foot at right angle, at maximum supination allowed. Insert the screw: the direction shall be parallel to the rear edge of the leg and it shall be at 45° to the external face of the foot. The length and diameter of the screw depend on the size of the foot and the weight of the patient. The screw is designed to be inserted until the end of the thread. In this way the spherical head of the screw can come into contact with the upper-outer edge of the heel.

Removal of the tourniquet.
Hemostasis, suture and medication.
Application of elastic stockings and orthopedic brace for three weeks.



RX CHECK FRONT-REAR PROJECTION

RX CHECK SIDE LATERAL PROJECTION

IMPLANTS

REF	DIAM	LENGTH
210052025T	6.5mm	25mm
210052030T	6.5mm	30mm
210052035T	6.5mm	35mm
210052040T	6.5mm	40mm
210052530T	8.0mm	30mm
210052535T	8.0mm	35mm
210052540T	8.0mm	40mm

INSTRUMENTS

REF	DESCRIPTION
210052000	STRAIGHT AWL
340085045	HEXAGONAL SCREWDRIVER 3.5mm

Web Site

Use the QR code to view Gruppo Bioimpianti website



IFU

Use the QR code to view complete product information, including instructions for use, indications and contraindications, precautions and warnings



Enjoy Mobility

GRUPPO BIOIMPIANTI S.R.L.

Via Liguria 28, 20068 Peschiera Borromeo (Milan) Italy

Tel. +39 02 51650371 - Fax +39 02 51650393

info@bioimpianti.it

bioimpianti.it

IMPLANTS

REF	DIAM	LENGTH
210052025T	6.5mm	25mm
210052030T	6.5mm	30mm
210052035T	6.5mm	35mm
210052040T	6.5mm	40mm
210052530T	8.0mm	30mm
210052535T	8.0mm	35mm
210052540T	8.0mm	40mm

INSTRUMENTS

REF	DESCRIPTION
210052000	STRAIGHT AWL
340085045	HEXAGONAL SCREWDRIVER 3.5mm



Enjoy Mobility

GRUPPO BIOIMPIANTI S.R.L.

Via Liguria 28, 20068 Peschiera Borromeo (Milan) Italy

Tel. +39 02 51650371 - Fax +39 02 51650393

info@bioimpianti.it

bioimpianti.it