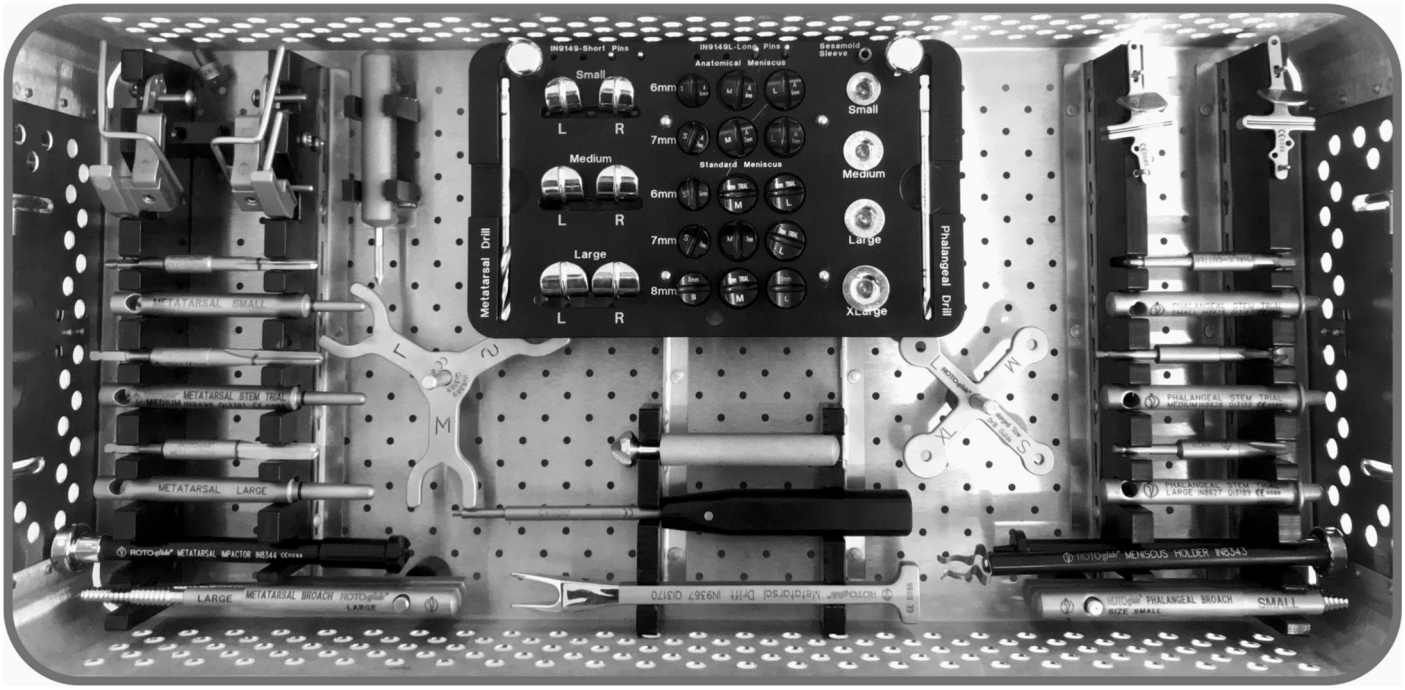
Theatre Instrumentation Protocol – Medial Approach

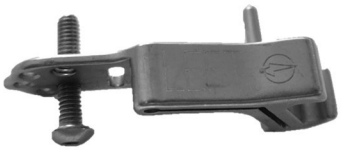
Before surgery commencing. Please ensure that all instruments are in the correct positions. The JPEG below is the guide to rely on.



- The Left Bank of Instruments are dedicated to Metatarsal
- The Middle Bank houses a full set of implant Trials and Metatarsal Head and Phalanx Head Sizers, Chamfer tool, Hex Driver and Implant Taper Drift.
- The Right Bank is dedicated to the Phalanx.

Before surgery commences, please familiarize yourself with the following instruments and refer back to this section when following the Methodology on Page 6.

I. Left Metatarsal Resection Jig and Drill Slide



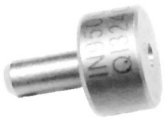
Ia. Jig

Ib, Drill Slide

Combined Configuration

II. Left Metatarsal Alignment flag

III. K-Wire Drill Sleeve



IV. 1.5 mm dia. x 150 mm lg. K-Wire

Complete Assembled Metatarsal Jig

V. Left Phalangeal Resection Jig

VI. Long Fixation Pin (2 x 52mm)

VII. Medium Fixation Pin (2 x 40mm)

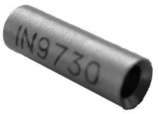
VIII. Metatarsal Pilot Drill

IX. Phalanx Pilot Drill

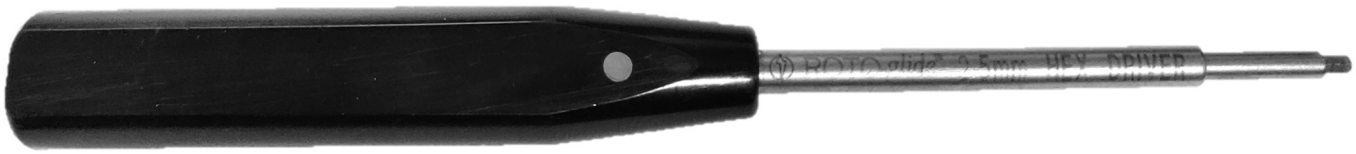
X. Metatarsal Saw Blade (Linvatec/Hall Example)

XI. Phalanx Saw Blade (Stryker Example)

XII. Sesamoid Sleeve



XIII. Hex Driver



XIV. Metatarsal Sizer

XV. Metatarsal Conical Cutter

XVI. Metatarsal Hand Reamer / Broach

XVII. Metatarsal Trial

XVIII. Metatarsal Impactor

XIX. Phalanx Conical Cutter

XX. Phalanx Hand Reamer / Broach

XXI. Phalanx Sizer / Drill Guide

XXII. Phalanx Trial

XXIII. Phalanx Impactor

XXIV. Anatomic Menisci Trial

XXV. Standard Menisci Trial

1. Ascertain whether a RIGHT or LEFT foot is being operated on. Assuming it is the Left Toe, harvest the following instruments and place them in a kidney dish.

   - Left Metatarsal Resection Jig and Drill Slide (Item Ia & Ib)
   - Left Metatarsal Alignment flag (Item II)
   - K-Wire Drill Sleeve (Item III)
   - 1.5 mm dia. x 150 mm lg. K-Wire (Item IV)
   - Left Phalangeal Resection Jig (Item V)
   - 2 Long threaded Fixation Pins (Item VI)
   - 2 Medium Fixation Pins (Item VII)
   - Metatarsal Pilot Drill (Item VIII)
   - Phalanx Pilot Drill (Item IX)
   - Metatarsal Saw Blade (Item X)
   - Phalanx Saw Blade (Item XI)
   - Sesamoid Sleeve (Item XII)
   - Hex Driver (Item XIII)

2. Present the LEFT Metatarsal Resection jig (Item I) and Left Alignment flag (Item II) to the surgeon and have the 2 long fixation pins (Item VI),2 medium fixation pins (Item VII), Metatarsal Pilot Drill (Item VIII) and Metatarsal Saw Blade (Item X) ready when requested.

3. Present the LEFT Drill Slide (Item Ib) and the Hex Driver (Item XIII) to the Surgeon.

4. Present the Metatarsal Conical Cutters (Item XV) and Hand Reamers (Item XVI) ALWAYS starting with the Small, Medium and then Large if a large implant is envisaged.

5. The Metatarsal Trials (Item XVII) are on the left-hand bank of the Black Trials Platform. Present the LEFT Metatarsal Trial requested by the surgeon.

6. Present the Metatarsal Impactor when requested (Item XVIII).

7. Present the LEFT Phalangeal Resection Jig (Item V). 2 Medium fixation pins (Item VII) and Phalanx Saw Blade (Item XI) ready when requested.

8. Present the Phalanx Conical Cutters (Item XIX) and Phalanx Hand Reamers (Item XX) ALWAYS starting with the Small, Medium and then Large or X-Large, if an X- large implant is envisaged.

9. Present the Phalanx Sizer / Drill Guide (Item XXI) along with the Phalangeal Pilot Drill (Item IX).

10. Present the Phalanx Trial (Item XXII) and Phalanx Impactor (Item XXIII) when requested.

11. All Menisci Trials are housed in the centre bank of the Trials platform.

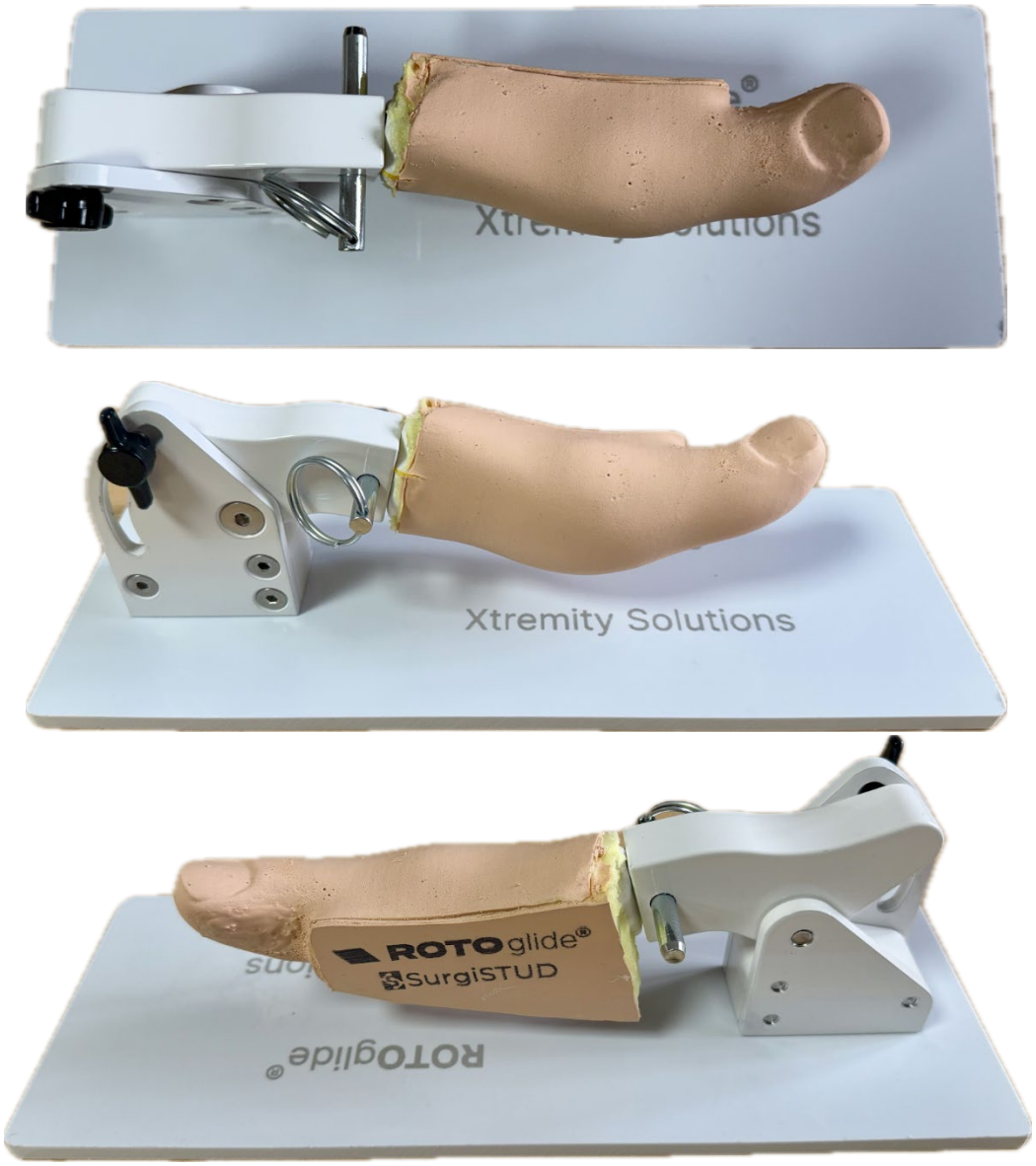
    - Top 2 Rows house the Anatomic Menisci (Item XXIV) Small/ Medium / Large & Extra Large in 6mm and 7mm thicknesses.

    - Bottom 3 rows house the Standard Menisci (Item XXV) in 6, 7 and 8mm thickness.

Mohan Emmanuel
2nd November 2020

Surgeon Training Kit – Medial and Dorsal Approaches

- The Educational & Support Materials Includes the tablet-based training application, supporting documentation, visual teaching aids and training records used to guide learning reinforce technique.



- Practical Training Materials includes the full procedural instrument set, demonstration implants and trials, and anatomical models used for hands-on practice of bone preparation, alignment and implant positioning.