The TASI Trial

The Treatment of Ankle Syndesmosis Injuries Trial

June 2017

Background

- The TightRope (Arthrex Inc, Naples, Florida) is a relatively new surgical implant based on the suture-button design
- The potential overall benefit of the TightRope versus syndesmotic screw fixation for ankle injuries, both with respect to patient outcomes and the overall health cost, analysis has not been formally studied in a New Zealand setting

Aims

Primary: to compare the effectiveness of TightRope to standard screw stabilisation of the syndesmosis in adults with AO type C ankle injuries requiring fixation of the syndesmosis, with regards to functional outcome 6 months post treatment.

Methods

- A 160 patient, multi-centre, randomised, controlled, clinical trial of eighteen months duration
- Eligible patients will be randomised 1:1 to receive either the Tightrope endo-button device or standard syndesmotic screw fixation
- TASI will be conducted in hospitals in Australia and New Zealand

Supporters

The New Zealand Orthopaedic Association (NZOA).
Surgical Research Trust, Wellington, New Zealand.

Coordinating centre

Capital & Coast District Health Board

Find out more: http://spinnakersoftware.co.nz/TASI

Facts

- A syndesmosis injury can lead to instability in the ankle joint, loss of function, and rapid joint degeneration
- Tibiofibular fixation using a screw across the syndesmosis has historically been the most popular stabilising method for displaced injuries of the ankle syndesmosis
- A recent randomised multi centre study in Canada and Holland has shown promising results, with endo-button fixation reporting greater functional outcome scores

Spinnaker SOFTWARE

Contact

To find out more about Spinnaker Software, used in this study, contact owner and CEO of Spiral, Audrey Shearer +64 21 395316
audrey@spiral.co.nz

spiral INDIVIDUAL SOFTWARE