

# Quadriceps Tendon Repair Using Reinforcement

The quadriceps tendon attaches the quadriceps muscle group to the patella, which attaches to the tibia through the patellar tendon. Rupture usually occurs at or near the tendon-patellar junction.

>50% of patients have thigh weakness after surgery and rehabilitation. Reinforcement should reduce risk of repair failure, allow for effective rehabilitation protocols, and aid a timely return to function.

## For Quadriceps Tendon Reinforcement:

- Repair is performed by attaching the tendon to the patella using sutures tied bone anchors or drill holes.
- BioTend is laid on top of the repair.
- Suture the patch proximal to the tendon and attach to the bone using bone anchors, either the same ones used for tendon attachment or additional anchors.

## Appropriate sizes include, but are not limited to:

BioTend: 40 x 43 mm, 25 x 43 mm

BioTendSL: 25 x 80 mm

## Typical reinforcements for quadriceps tendon repairs involve patients who:

- With poor tissue quality
- With significant tissue removal at the repair site
- With re-tears
- Who are over 60 years of age
- Who smoke
- With diabetes
- Who are treated with fluoroquinolone antibiotics (e.g. Cipro) or steroids
- Who are not compliant
- Who require early rehabilitation

