EPIDEMIOLOGY of Rotator Cuff Repair (RCR)

- Over 17,500 rotator cuff repairs are performed annually in Australia.¹
- Globally, RCRs continue to fail at an alarming rate (30%) and may be driven by tendons failing to heal at the tendon-bone junction or sutures pulling through tendons.²,³
- Evidence demonstrates that sutures and types of RC repair (knotted or knotless) loosen soon after fixation.⁴-⁶ The lack of persistent footprint area pressure could diminish tendon to bone healing.⁵,⁶
- Factors outside the surgeon’s control can negatively impact the repair including suture laxity, suture creep, and suture abrasion.⁷
- Revision cost for a RCR may be up to $58,724 per QALY.⁸

DYNACORD® Sutures Benefit

- Testing shows that FiberWire® loses 68% of suture tension within 1 hour due to suture stretch (even in a knotless configuration).⁴*

Maintains Approximation Force

- Testing showed DYNACORD® Sutures were able to better maintain approximation force when compared to FiberWire sutures, which may improve footprint compression and reduce micro-motion (p<0.05, n=9).⁴*

Reduces Tendon Cut-Through

- DYNACORD® Sutures were shown to reduce tendon cut-through after 1000 cycles when compared to FiberWire sutures (p=0.012, n=7).⁹*

68%↓
Loss In Tension at 1 Hour for FiberWire®

The Value of DYNACORD® Sutures

- By maintaining approximation force and minimizing micro-motion and tendon cut-through, DYNACORD® Sutures may reduce the risk of failed repairs and thereby potentially reduce the economic burden to the hospital and healthcare system.⁴,⁹§

* Animal and bench testing results may not necessarily be indicative of clinical performance.
† Calculation assumes 100 RCR cases * revision rate * cost of revision ($58,724 AUD per QALY).⁸
§ DePuy Synthes offers no promise or guarantee of savings.
REFERENCES


