



31 August 2020

dorsaVi's technology used to provide novel clinical insights for managing low back pain, published in leading journal

Melbourne, Australia, 31 August 2020; dorsaVi (ASX: DVL)

dorsaVi has had a long standing commitment to providing objective assessments for individuals with low back pain. The company is pleased to acknowledge the latest peer reviewed publication authored by a team of leading researchers at Curtin University in Western Australia.

The paper titled 'Movement, posture and low back pain. How do they relate? A replicated single - case design in 12 people with persistent, disabling low back pain¹', was written by a research team from Curtin's School of Physiotherapy and Exercise Science and published in the European Journal of Pain. The article describes how movement metrics and muscle activity analysis can be used to provide a novel quantifiable link between 'clinical improvement' and objective data from dorsaVi's ViMove product. The authors stated "Where relationships were observed, clinical improvement predominantly (93% or 57/61 relationships) related to increased spinal movement range and velocity during forward bending and lifting, reduced lumbar muscle EMG activity at maximum voluntary flexion, and increased posterior-pelvic-tilt during sitting and standing."

The importance of this finding is that clinical improvement in low back pain can be statistically related to a change in objective metrics that can be captured by wearable sensors. dorsaVi has a granted patent that protects the apparatus and method for capturing the combination of movement and muscle activity.

dorsaVi Chief Executive Officer Dr Andrew Ronchi said: "We are very excited to see the Curtin team's work acknowledged through publication in a prestigious journal and providing new insights for the management of chronic low back pain. These insights are relevant for all clinicians who assess and treat low back pain including surgeons, physiotherapists and general practitioners. These insights are also important for safety professionals who are aiming to reduce low back injuries in the workplace as well as medical device companies who are looking for new and sensitive objective measures relating to health outcomes."

1 - Wernli, K, O'Sullivan, P, Smith, A, Campbell, A, Kent, P. Movement, posture and low back pain. How do they relate? A replicated single - case design in 12 people with persistent, disabling low back pain. Eur J Pain. 2020; 00: 1- 19. <https://doi.org/10.1002/ejp.1631>

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The release of this announcement was authorised by dorsaVi's Disclosure Committee and Andrew Ronchi, CEO.

About dorsaVi

dorsaVi Ltd (ASX: DVL) is an ASX company focused on developing innovative motion analysis device technologies for use in clinical applications, elite sports, and occupational health and safety. dorsaVi believes its wearable sensor technology enables – for the first time – many aspects of detailed human movement and position to be accurately captured, quantified, and assessed outside a biomechanics lab, in both real-time and real situations for up to 24 hours.

Our technology has applications across three sectors:

- **Occupational Health and Safety (OHS):** dorsaVi enables employers to assess risk of injury for employees as well as test the effectiveness of proposed changes to OHS workplace design, equipment or methods based on objective evidence. dorsaVi has been used by major corporations including Sodexo, London Underground, Vinci Construction, Crown Resorts, Caterpillar (US), Monash Health, Coles, Woolworths, Toll, Toyota, Orora (formerly Amcor) and BHP Billiton.
- **Clinical:** dorsaVi is transforming the management of patients with its clinical solutions - ViMove, ViMove2 and Professional Suite – which provide objective assessment, monitoring outside the clinic and immediate biofeedback. dorsaVi Telehealth provides a virtual clinic, enabling clinicians to do business differently and take their patient consultations online.
- **Elite Sports:** ViPerform is allowing coaches and medical teams managing elite athletes and teams to screen athletes and provide objective evidence for decisions on return to play, measure biomechanics and provide immediate biofeedback out on the field, tailor and track training programs and optimise technique and peak performance. ViPerform is being used in the US by the National Basketball Association (NBA), the Major Soccer League (MLS) and the National Football League (NFL), by the AFL and NRL clubs and by Barclays Premier League (EPL) clubs, England and Wales Cricket Board and the Board of Control for Cricket in India as well as various Olympic teams and athletes internationally.

Further information is available at www.dorsavi.com