

PLATELET RICH PLASMA (PRP) FOR KNEE PAIN

Australian Sports Doctors (ASD) now offer PRP for knee pain. Our Sports GPs are dedicated to assessing and managing musculoskeletal conditions and sports injuries.

Our Sports GP's will carefully assess your knee condition and work with you to offer a comprehensive management plan that may involve optimising an exercise or physical therapy program, and discussion about pain relief and/or dietary supplements.

Our doctors may also offer PRP for knee pain. PRP (Platelet Rich Plasma) injections may be used for acute or chronic knee pain.



Common knee conditions our doctors may use PRP for knee include:

- Knee Osteoarthritis.^[1]
- Meniscal tears where operative intervention is not suitable or desired.^[2]
- If you are experiencing knee symptoms and wish to delay knee surgery

Referral to a reputable orthopaedic specialist is sometimes required and can be promptly arranged by our doctors.

Our clinic is open 7 days a week and no referral is required to see our Sports GPs. I-MED Radiology is located adjacent or on-site which allows for convenient access to imaging scans if needed.

CALL TODAY (03) 9455 1112

NO REFERRAL REQUIRED. OPEN 7 DAYS!

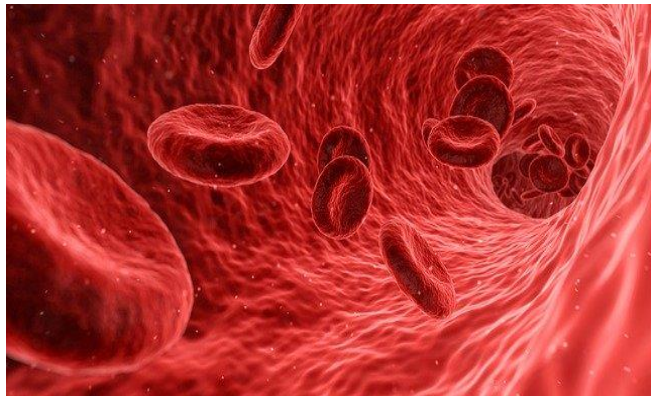
BOOK ONLINE

WHAT IS PRP AND HOW IS IT COLLECTED?

PRP is the straw-coloured plasma component extracted from your own whole blood, containing a rich concentration of platelet cells with their associated anti-inflammatory and growth factor proteins – in amounts up to 2 times greater than usually found in whole blood. Once 15mls of your blood is collected (a similar experience to having a routine blood test), a centrifuge is used to separate the red cells to the bottom of the enclosed syringe, leaving the plasma containing the concentrated platelets to be extracted from the top. The PRP is then injected by your doctor into your knee joint whilst it is fresh.

HOW DOES PRP WORK?

PRP contains a high concentration of platelets that normally play an important role in forming scaffolding after tissue injury and initiating a healing response. Studies demonstrate that following PRP injection, numerous platelet-associated growth and anti-inflammatory factors increase, and are associated with improved pain and function for conditions such as knee osteoarthritis. Although PRP for knee pain has not been proven to regrow cartilage in living humans, there is good emerging evidence that it can improve symptoms in several joint and tendon related conditions, potentially for 1-2 years.^[2]



DOES PRP FOR KNEE PAIN WORK FOR EVERYONE?

PRP for knee pain may not be suitable for everyone, but studies indicate that patients with early to moderate osteoarthritis, may have an appreciable improvement in knee pain and function at 3, 6 and 12 months.^[2] There is variation in results between response rates, the degree of arthritis, and the type of PRP protocol administered, but studies show positive symptom data out to 1-2 years, with some studies even showing that there is no further progression of arthritis on MRI.^[3]

HOW IS PRP INJECTED AND WHAT ARE THE RISKS?

A single 6ml syringe of your PRP is injected directly into the knee joint space by a doctor via a needle of similar size used for routine blood tests. As with any injection, there is a small risk of bleeding or knee joint infection (said to be less than 1:100 in healthy people). Every effort is made to reduce the risk of infection, using antiseptics and sterile technique. A temporary flare of stiffness, pain and swelling may sometimes occur but generally responds well to paracetamol, relative rest and ice packs. Improvement may be noticed within the first few weeks.

HOW MUCH DOES PRP COST AT ASD/AOSM?

Your initial consultation with ASD (to discuss your suitability for PRP for knee pain) is partly covered by Medicare, leaving a gap of approximately \$100 (depending on the duration of the consultation and other issues discussed). Medicare, Workcover and TAC generally do not provide patient rebates for the PRP injection fee. A fee of \$280 (incl GST) applies per injection. The majority of this cost is to cover the consumables and centrifuge required to collect PRP.

WHAT CAN I EXPECT AFTER MY TREATMENT?

We ask that you have relative rest from exercising the area for 24-48 hours following injection. Note also that we ask you to not take any aspirin or anti-inflammatories (eg. Nurofen, Voltaren) 3 days before and for 7 days after treatment as these medications may interfere with the platelet function and the effectiveness of the treatment. You are able to return to daily activities and progress to exercises as prescribed by your doctor or physical therapist as symptoms improve over the week.

HOW DO I BOOK AN APPOINTMENT?

You can book an appointment by clicking the book online button below or by calling (03) 9455 1112. Appointments are available 7 days a week, and no referral is required.

References

1. Dai, W.L., et al., *Efficacy of Platelet-Rich Plasma in the Treatment of Knee Osteoarthritis: A Meta-analysis of Randomized Controlled Trials*. *Arthroscopy*, 2017. **33**(3): p. 659-670.e1.
2. Southworth, T.M., et al., *The Use of Platelet-Rich Plasma in Symptomatic Knee Osteoarthritis*. *J Knee Surg*, 2019. **32**(1): p. 37-45.
3. Halpern, B., et al., *Clinical and MRI outcomes after platelet-rich plasma treatment for knee osteoarthritis*. *Clin J Sport Med*, 2013. **23**(3): p. 238-9.

ABOUT OUR DOCTORS

DR JAMES TAYLOR

Quality medical care for all athletes and active people, with a personable approach tailored to your activity needs. From prevention to rehab, and from diagnosis to health – to achieve your full potential

- Sports GP doctor, founding director of Australian Sports Doctors
- Member Sports Medicine Australia (SMA)
- MBBS 1996
- LLB 2001
- FRACGP 2008
- Fellow of and Quality Assurance Examiner for the RACGP (Royal Australian College of GPs)
- Has worked in the Ivanhoe region since 2009
- Surgical assistant to surgeons associated with Australian Orthopaedic & Sports Medicine Clinic – AOSM (at Warringal Private Hospital)
- Accredited presenter for Sports Medicine Australia (SMA) Sports Trainer's and Concussion Courses



DR TRACY SHANG

Strives to provide personalised, thorough and compassionate care for all ages and abilities – a holistic approach focused on improving function and performance

- Sports GP doctor, founding director of Australian Sports Doctors
- Member Sports Medicine Australia (SMA)
- MBBS (Hons) 2005
- Dip Child Health 2009
- FRACGP 2010
- Fellow and Examiner RACGP (Royal Australian College of GPs)
- Has worked in the Ivanhoe and Eltham regions since 2008
- Surgical assistant to surgeons associated with Australian Orthopaedic & Sports Medicine Clinic – AOSM (at Warringal Private Hospital)
- Accredited presenter for Sports Medicine Australia (SMA) Sports Trainer's and Concussion Courses

