

Why your landing technique in netball is so important in preventing injury – 2019

The Waves, Physiotherapists, [Emma Iacovou](#) teaches the girls the technique behind how to jump, land effectively, decelerate and change direction based on the guidelines set out by the [Netball Australia 'KNEE Program'](#).

Emma has a passion for netball and has played for Peninsula Waves in the past, so its great to combine her passion for netball with her knowledge as physiotherapists to help ensure netballers continue to play the game they love for as long as possible.

Why is injury prevention in netball important?

Netball has one of the highest injury rates per participant of any sport (Fong, 2007). At both an elite and junior level netball injury prevention is vital. During this dynamic fast paced sport, the body is exposed to high forces contributing to lower body injury rates (Mothersole, 2013). A staggering 85% of netball injuries occur at the knee and ankle, of this 45% of these injuries occur during landing (Netball Australia Personal Accident Insurance 2010-14). These statistics highlight just how import the correct jumping and landing technique is to enhance performance and prevent injury.

Conditioning and technique training to effectively mitigate injury risk and improve performance is particularly important amongst the female population (Mothersole, 2013). Recent figures show females are 4-6 times more likely than males to rupture the anterior cruciate ligament (ACL), and it is estimated that as high as 25% of all major injuries in netball are attributed to ACL alone (Netball Australia, 2017). For netballers this means a costly injury that can result in more

than 12 months away from the netball court.

How can you reduce your risk of an injury during netball?

Netball Australia have developed The KNEE Program, aiming to prevent knee injuries from occurring by optimising technique and enhancing efficiency of movement in netball specific landing, change of direction and deceleration . The KNEE program is an adaptable, evidence based, warm up program designed to be implemented at all netball levels; children, recreational and elite.

Below is are some of the key principles as set out by the KNEE PROGRAM which outline how to perform a jump and landing with good technique that, when practiced and implemented, aims to significantly reduce the likelihood of an injury during netball.

Jump Take Off



- Feet shoulder width apart
- Feet facing forwards
- Hips Bent
- Knees Bent
- Knees in line with feet
- Use arms to drive momentum

Jump Landing



- Hips bent

- Knees bent
- Roll down through feet
- Feet straight ahead
- Knees in line with feet
- Trunk Stable

Studies show that by implementing specialised training programs, such as the KNEE program, injury rates can be dramatically improved. These programs can reduce lower body injuries by up to 50% (Netball Australia, 2017). Furthermore, employing this program as a part of your own training has been found to improve performance measures. This is supported by Hopper et al (2017) whom found a 6 week injury prevention program improved speed, agility, power and balance outcomes. For greatest effect, these programs need to be performed total of > 30 minutes per week (Sugimoto et al, 2014).

It is never too early or late to start implementing this program as a part of your netball routine. For more information on how to include The KNEE program in your training session or warm up click on the following link : <http://knee.netball.com.au/>.

For more information or to book an appointment contact your [local clinic](#) or [Book Online](#).

References

The KNEE Program. Retrieved From: <http://knee.netball.com.au/>

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Netball Australia <http://netball.com.au/>