Therapy Services Patient Information

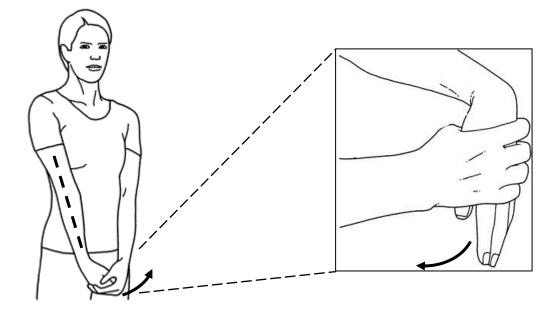


Acute stages

- 1. Try a wrist support (Futura splint) that restricts wrist extension, this may reduce overuse behaviours and allow the pain to settle over approximately three to six weeks.
- 2. Try applying ice for 15 minutes after physical activity.
- 3. Consider anti-inflammatory gels (NSAID) or if you have been prescribed tablets use these regularly for relief. See GP for advice.
- 4. Minimise prolonged gripping activities where possible, otherwise try using a wider/larger grip on rackets or tools.
- 5. Your physiotherapist could teach you some taping techniques to offload the tendons.
- Your physiotherapist can show you gentle friction massage at the tender points, duration 30 to 60 seconds for pain relieve. Other manual therapy treatments may be available, where appropriate.

Stretches

- \circ $\;$ Hold your arm straight out in front of you and bend your wrist.
- Use your other hand to grasp the index and middle fingers, bending them towards the body.
- Hold the stretch for 30 seconds or longer, repeat more than 5 times daily.



Eccentric exercises

Specific strengthening exercises have been shown to improve pain and function in people who have been diagnosed with tennis elbow.¹ If done regularly they can help to resolve symptoms over eight to twelve weeks.² It is recommended that for the first three weeks you have had symptoms you complete these exercises only three days a week. After three weeks of symptoms the frequency of these exercises should be increased to six days per week.³

Therapy Services Patient Information

A small hand weight, dumbbell or preferably an exercise band can be used for these exercises. Start by supporting the 'affected' forearm (with tennis elbow) on your knee with your wrist over the edge and your palm facing down. Fix the band firmly under your foot (picture 1).

Picture 1



1. Use your other hand to pull your wrist back towards you stretching the band with it. Your other hand should do all the work to bring your wrist back.

- 2. Let go with your supporting hand and let the band slowly pull your wrist downwards.
- 3. Repeat fifteen times then rest for one minute.
- 4. Repeat another two sets of fifteen repetitions with a minute rest in between.⁴

You may feel moderate pain in your elbow towards the end of the exercise session. As the pain lessens try and gradually increase the weight or tighten the band to make it shorter and therefore increase the resistance.

References

- 1. Cullinane F; Boocock M; Trevelyan F.(2014) Is eccentric exercise an effective treatment for lateral epicondylitis? A systematic review. *Clinical rehabilitation* 28 (1)
- 2. Raman J; MacDermid J; Grewal R (2012) Effectiveness of Different Methods of Resistance Exercises in lateral Epicondylosis-A Systematic Review. *Journal of Hand Therapy*
- Soyoung Lee; Youngjun Ko; Wanhee Lee. (2014) Changes in Pain, Dysfunction, and Grip Strength of Patients with Acute Lateral Epicondylitis Caused by Frequency of Physical Therapy: A Randomised Controlled Trial. *Journal of Physical Therapy* 28 (9)
- 4. Peterson M; Butler S; Eriksson M; Svardsudd K. (2014) A randomised controlled trial of eccentric vs. concentric graded exercise in chronic tennis elbow (lateral elbow tendinopathy) *Clinical rehabilitation* 28 (9)

Contact details

The Health Information Centre Poole Hospital NHS Foundation Trust Longfleet Road Poole Dorset BH15 2JB Telephone: 01202 442121 www.poole.nhs.uk Author: Physiotherapy department, Ian Kennedy