

# Foot avulsion fracture – discharge advice

## Information for patients

During your visit to the emergency department, you were advised that you have a break in one of your bones in your foot known as an avulsion fracture.

This leaflet answers frequently asked questions about this type of injury.

### What is a foot avulsion fracture?

A small sliver of bone has been pulled away from one of the bones in your foot; this is known as an 'avulsion' fracture. This usually happens because one of the ligaments in your foot has pulled it away.

### How long will it take to recover?

This type of fracture takes approximately six weeks to heal. Pain and swelling can continue for three to six months. Surgery is not usually required.

You may be provided with a boot to help you walk.

## Recovery plan

### 24-72 hours since injury

Try to rest and elevate your foot. A cold pack (ice pack or frozen peas wrapped in a damp towel) can provide short term pain relief. Apply this to the sore area for up to 15 minutes, every three to four hours, and ensure the ice is never in direct contact with your skin.

Please follow the advice on pain relief given by the clinician you saw in the emergency department. If you need further advice, please ask your local pharmacist or GP.

### Zero to three weeks

If you were given a boot, wear it while you are walking. You can walk on your injured foot if it is not too painful. If you were given crutches, you can stop using these as you feel able to.

You should take the boot off when you are resting. You do not need to wear it at night. Start the 'ankle range of movement exercises' described below.

### Three to six weeks

Reduce the amount of time you wear the boot and gradually start to resume your normal activities. Continue with the range of movement exercises provided and start the 'weight bearing exercises' described below.

## Six to 12 weeks

By now you should be returning to your normal level of activity. You might still feel some discomfort with higher level activities such as running. If you experience a significant increase in pain and/or swelling, you will need to reduce your activity levels and gradually increase these over a longer period.

Early movement of your ankle and foot is important to promote circulation and reduce the risk of developing a DVT (blood clot). Follow the exercises below, stopping before it becomes too uncomfortable or painful for you. This will ensure your ankle and foot do not become stiff and will help the healing process.

If you notice an increase in calf pain with movement, heaviness, redness, heat, or an increase in swelling please attend your local urgent care centre or A&E for assessment.

## Exercises to follow

Please note, the number of times you need to carry out each exercise is included as a guide only.

If you experience a significant amount of pain while carrying them out, you should reduce the number of times you do each exercise, and gradually increase the amount during your recovery.

## Ankle range of movement exercises

Repeat each exercise 10 times, three to four times a day.

1. Point your foot up and down within a comfortable range of movement.



2. Turn your foot inwards so that your toes are pointing towards your other foot, then move back to the starting position.



3. Turn your foot outwards so that your toes are pointing away from your other foot, then move back to the starting position.



## Weight-bearing exercises

Repeat three to four times day.

1. Hold onto a chair or table for support and practise standing on your injured leg for up to 30 seconds. When able, stand on one leg without holding onto the support.



2. Rise up and down on your toes. Repeat these eight to 12 times, or as much as pain allows.



## Return to sport

You should be able to squat, hop, jump, and run pain-free before you return to sport. If you are unable to do this or need further guidance, please see your GP, and ask for a physiotherapy referral.

## Return to driving

You should be able to perform a full emergency stop confidently and pain-free before you consider returning to driving.

## What happens next?

We do not routinely follow up patients with this type of injury as it usually heals well. However, if you are still experiencing significant symptoms after six weeks, please contact the virtual fracture clinic at the hospital you first visited.

This clinic is run by a team of physiotherapists and orthopaedic doctors who can review your scans and notes to provide you with further information or support. If appropriate, they will make an appointment for you to be seen face-to-face in a fracture clinic.

## Contact details

**Barnet Hospital, Chase Farm Hospital, Finchley Memorial Hospital, Edgware Community Hospital, Cheshunt Community Hospital:**

- Telephone: 020 8216 4445 (9am to 12noon, Monday to Friday)
- Email: [rf-tr.barnethospitalvfc@nhs.net](mailto:rf-tr.barnethospitalvfc@nhs.net)

## Royal Free Hospital

- Telephone: 020 7472 6222 (9am to 12noon, Monday to Friday, a voicemail message can be left outside of these hours)
- Email: [rf-tr.royalfreehospitalvfc@nhs.net](mailto:rf-tr.royalfreehospitalvfc@nhs.net)

## Acknowledgement and references

We would like to thank Glasgow Royal Infirmary and Leeds Teaching Hospitals for allowing us to reproduce part of their leaflets. If you require a full list of references for this leaflet please email: [rf-tr.royalfreehospitalvfc@nhs.net](mailto:rf-tr.royalfreehospitalvfc@nhs.net) or [rf-tr.barnethospitalvfc@nhs.net](mailto:rf-tr.barnethospitalvfc@nhs.net).

## More information

For more information about the virtual fracture clinic service at the Royal Free London, please visit our website: [www.royalfree.nhs.uk/services/trauma-and-orthopaedics/](http://www.royalfree.nhs.uk/services/trauma-and-orthopaedics/)

## Your feedback

If you have any feedback on this leaflet, please email: [rf-tr.communications@nhs.net](mailto:rf-tr.communications@nhs.net).

## Alternative formats

This leaflet is also available in large print. If you need this leaflet in another format – for example Braille, a language other than English or audio – please speak to a member of staff.

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