



# VeinCare

Look after your veins

FIFTH EDITION

**When a needle feels blunt,  
this is what it looks like.**

**Imagine what it could do to your veins.**



**This needle has been  
through the skin a few times  
in the search for a vein.**

## **Introduction**

**This booklet aims to reduce some of the problems caused by injecting.**

**If you are a drug user who doesn't inject, there is no need to read any further – the advice is simple: don't start!**

**If you inject, improving your injecting technique can really reduce vein damage and prevent some of the serious problems that affect people with lots of collapsed veins. It can also prevent or delay the move to riskier sites.**

## Why?

**You have only got one set of veins. If you give them a break when they have been damaged by injecting, they can sometimes recover. But once veins collapse they are gone for good.**

If only a few veins have collapsed, the blood can use other nearby veins to get back to the heart, but if more and more veins collapse, the arm or (more seriously) leg can become swollen, cold and painful.

**This condition can be lifelong and although it may get better when you stop injecting, things seldom return to normal.**

## Clots and vein collapse

**Blood is amazing stuff: it flows around our bodies without clotting, but as soon as we get a cut or graze it stops flowing and forms clots, which turn into scabs and then into scar tissue.**

It does this because it contains billions of tiny cells called platelets, which clot as soon as there is any turbulence in the flow of blood. The lining of veins is perfectly smooth, so that the blood won't clot as it flows along. But the smooth lining of the vein can be damaged by:

- **the needle;**
- **the drug** (especially tablets);
- **too much acid;**
- **injecting too often or too fast;**
- **infection; and**
- **'flushing' the syringe after your hit.**

**When the lining of the vein is damaged clots can form, eventually leading to vein collapse. This process is illustrated over the page...**

## How veins collapse



1

**Damage** to the lining of the vein causes turbulence in the flow of blood.



2

The **turbulence** causes **clots** to form on the inside of the vein.





These **clots** make the vein **narrower**, causing more clots to form, making the vein narrower still.



Eventually the vein **blocks**, and the clots turn into **scar tissue** which shrinks and pulls the sides of the vein together, causing it to **collapse**.

## Acids

**Brown heroin and crack cocaine are made in a smokeable (base) form that does not dissolve well in water. In order to make the drug dissolve for injection they have to be converted to a water-soluble (salt) form. This is done by adding an acid.**

Citric and vitC (ascorbic acid) are the acids most commonly used to make brown heroin and crack cocaine dissolve. Adding an acid to a base provokes a chemical reaction that converts the base into a water-soluble salt.





Acids can cause chemical burns, tissue damage, and increase the risk of infections at the injecting site – especially when too much is used. To reduce the amount of vein damage to a minimum it is important to use as little as possible.

**Add the acid a bit at a time until the drug has dissolved.**

**Many people use far too much acid, causing ‘citric burns’ and vein damage.**

Adding too much acid doesn’t make the hit any better: once all the heroin (or crack) has bound with the acid, and dissolved into the water, extra acid will only make the solution more caustic for the veins.

To convert all the diamorphine in a typical £10 bag of heroin you need just:

- 20mg of citric; or
- 60mg of vitC.

**That’s just one-fifth of a sachet!**

## Which is best?

Ascorbic acid (vitamin C) is less strong than citric acid, so a little extra vitC will cause less change in acidity than the same amount of citric.

Because of this, if you have a choice, it is probably better to use vitC.

Whether you use vitC or citric, add it slowly, use as little as possible, and use less if you feel pain, swelling, or redness during or after injecting. Acid burning the inside of your veins will shorten the length of time you can inject into them.



or



?

## Rotating sites

Injecting into both arms and varying the places that you inject will give your veins a chance to recover between injections.

It is always easier to inject with the hand you write with. Learning to inject with the other hand could help save your veins. **It is better to learn this skill sooner rather than later** – because you don't want to start learning to inject with your other hand when you need a hit, but can't find a vein.

## Needle size

Use the smallest size needle that you can – for most people, and most sites, this is the 30G needle that comes on some 1 ml syringes.



## Avoiding misses

Injecting some of the drug into tissues around the vein can be very painful, cause serious infections and drastically shorten the life of veins.



Hurrying to get the needle in, putting it in at the wrong angle, not checking its position carefully, and pushing the plunger down too quickly can all cause leakage and bleeding around the injection site. If you inject too quickly, the vein may not be able to take all the extra fluid, and some can escape into the tissues around the vein.

**When people can't understand how they 'missed' – because they know they were in the vein – it is probably because either the needle has come out of the vein during the injection, or they have injected too fast and some has leaked out. The smaller the vein, the slower the injection has to be.**

## ‘Flushing’

**When you flush there will be some movement of the needle – it is impossible to avoid it.**

Syringes are medical devices designed to deliver the entire dose of a drug. Flushing does not give a better hit, but it will shorten the life of your veins.

## Never let go!

Once the needle is in your arm don’t let go – **the movement causes vein damage**. Use a tourniquet that you can release without using your hands.

## Infections

**When bacteria are injected directly into the bloodstream, the body is usually able to kill them (this is not the case with viruses). But when the vein is missed, the warm, moist, airless dark space under the skin is an ideal place for them to grow.**

Infections and swelling around an injection site can slow the flow of blood, and lead to clotting and scarring which can collapse the vein.

**To prevent infections, abscesses and vein damage it is important to always:**

- **use new sterile equipment;**
- **wash your hands and the injection site with soap and water;**

**and to:**

- **clean your mixing equipment before (and ideally after) every injection.**

If you do get an infection or swelling in your arm or hand, take off your rings as they can cut off the blood supply!



## **'New veins'**

**People sometimes find a new vein, usually near the surface, where there wasn't a visible vein before. Unfortunately these never last because they're not really new veins.**

What happens is that as veins collapse and circulation gets restricted, it gets 're-routed' through smaller and smaller veins. If the pressure in a small vein gets too great, it can blow up like a balloon.

**The walls of these veins are very thin and fragile. Sticking a needle in them usually results in a painful bruise. If you are at the stage of finding these 'new veins' you should seriously think about stopping injecting because carrying on is likely to lead to serious, and lifelong, circulation damage.**

## Tourniquets

**Tourniquets are not needed for a vein that you can find easily.**

If you are having difficulty finding a vein, washing your arm in hot water, having a hot bath (get out before you inject!) or doing a quick bit of exercise (like press-ups, or swinging the arm) are the best ways of increasing the flow of blood and therefore the size of the vein.

If this doesn't work, putting a tourniquet on can help. Tourniquets must not be applied so tightly that they restrict the flow of blood into the arm (you should be able to feel a pulse in your arm) as this makes the veins harder to find.

**It is essential that you release the tourniquet as soon as you get a vein because if you try to inject while the tourniquet is still tight, the drug will often leak out around the needle and cause a miss.**

## Cocaine

**Cocaine is a powerful local anaesthetic. After one or two hits the whole area around the site will be numb. This means that it gets harder and harder to hit the vein – and to know when you're missing.**

It is far better to smoke crack or snort powder cocaine.

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## **Vein Care**

Fifth edition 2017

Published by Exchange Supplies

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Product code: P703

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**Rotate sites.**

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**EXCHANGE  
SUPPLIES**  

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**MAKING INJECTING SAFER**