

The aim of this information sheet is to describe your child's treatment as simply as possible.

We currently use two types of circular frames to correct limbs these are shown below:



**The ILIZAROV frame**



**The TAYLOR SPATIAL frame**

## Contacts:

**Paediatric Limb Reconstruction Service**  
**JONATHAN PAGDIN**, Clinical Nurse Specialist  
Tel: 01142 717575 Bleep 803

**JO BAILEY**, Associate Clinical Nurse Specialist  
Tel: 01142 717575 Bleep 803

**KIM ALLEN**, Support Worker  
Tel: 01142 717575

**TRACY FIELDS**, Physiotherapy Clinical Specialist  
Tel: 01142 267837

**Occupational Therapy**  
Tel: 01142 217148

**JAMES WHITAKER**, Orthopaedic Waiting List Coordinator  
Tel: 01142 267983

Information Leaflet number:  
Author/Contact:

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Jo Bailey

Sheffield Children's   
NHS Foundation Trust

## Information About Circular Frame Treatments

### For further advice contact:

**Main hospital number: 0114 271 7000**

Patient Advice & Liaison Team (PALS)

The Children's Hospital

Western Bank

Sheffield

S10 2TH

PALS office: 0114 271 7594

[www.sheffieldchildrens.nhs.uk](http://www.sheffieldchildrens.nhs.uk)

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Our young patients are at the centre of everything we do and all our work is focused on providing them with the best facilities, equipment and experience possible, helping to provide a world-class facility that is positioned at the very forefront of paediatric care.

The  
Children's  
Hospital  
Charity 

[www.tchc.org.uk](http://www.tchc.org.uk)

Tel: 0114 271 7203

Email: [charity@sch.nhs.uk](mailto:charity@sch.nhs.uk)

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Hospital  
Sheffield 

Our aim is that treatment should cause minimal disruption to your lives. Children are usually in hospital between six to ten days, and the rest of the treatment is home-based and family centred. We therefore rely on the children/young people and their carers being largely responsible for their own care.

Your child should not have to do anything in their treatment that will disrupt their school day too much. Most “tasks” can be done before or after school. However, our patients return to Sheffield for regular review during their treatment, therefore some school time is missed. Initially they will visit the out-patients clinic weekly or fortnightly, then eventually monthly.

**Please note, research shows that smoking seriously inhibits bone healing. We strongly recommend that patients do not smoke. Friends and family should be aware that passive smoking can also affect bone healing.**

We hope you find this information useful. Please do not hesitate to contact the PLRS team if you have any questions.

To enable limb correction to take place, the metal “frame” is attached around your child’s limb. This is done by passing metal pins through the skin, muscle and bone. At the same time a break is made in the bone. Once the frame is in place, the broken bone can be moved over time by making small alterations to the frame. The Ilizarov frame is altered by turning marked nuts on a metal rod, in the direction of a marked flag (Figure1). The Taylor Spatial frame is altered by turning numbered, colour coded “struts” (Figure 2).



**Figure 1**  
**The Ilizarov frame rods**



**Figure 2**  
**The Taylor Spatial frame struts**

You will be given a programme of “turns” which will have to be performed at different times of the day.

The “turns programme” for the Ilizarov frame will be hand written using a sheet like the one shown in [Figure 3](#). The turns programme for the Taylor Spatial frame, is computer generated from information inputted into a specialised computer programme (Figure 4).

