# **Correcting Club Feet**

NOTE: In Chapter 11 we discussed club feet. We suggest you read pp. 114 and 116 before trying to correct a club foot.

The younger a child is when you begin, the more easily and quickly her foot can be straightened. **For best results, begin 2 days after the baby is born.** If the child is over 1 year old, usually a good correction is only possible with surgery. Ways to predict how easy or difficult correction may be for a particular child are listed on p. 116.



club foot

# Method 1: STRAPPING

This method works well in a baby with mild to moderate clubbing, especially when the foot can be put into a nearly typical position. The method is easier and cheaper than casting, and sometimes gives better results. You will need:

- tincture of benzoin (to paint on the skin to help the adhesive felt stick firmly. Zinc oxide in the tincture will help protect the skin.)
- adhesive surgical felt (padding) 8 mm. thick and at least 2.5 cm (1 inch) wide
- adhesive tape (sticking plaster) or zinc oxide strapping 2.5 cm. wide

cotton wool

1. Paint tincture of benzoin on the skin areas to be covered by the tape.

2. Hold the baby's foot like this and gently straighten it as far as you can without forcing.



4. Stretch adhesive tape over the felt. Start on the outer side of the foot, go around the foot, up over the knee, and down the other side. Use the tape to pull the foot into a better position.



3. With the knee bent as far as possible, stick strips of felt around the foot and over the knee and leg as shown.

FRONT

VIEW

Tape coming

no tape

here

down leg

ends here



SIDE VIEW



FRONT VIEW

tape around the leg twice here to hold the first tape. CAUTION: 10 minutes after putting on the tape, check to see if any part of the foot has turned dark.

It so, look for the trouble

spot and try to adjust the strapping. If it stays dark,

take everything off and

start again.

5. Put a second piece of



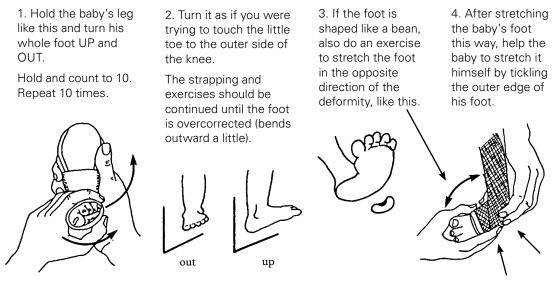
Every 2 or 3 days, tighten the correction by stretching new tape over the old, in the same way. On the 7th day, remove everything and leave the leg free until the next day. On the 8th day, apply new felt and tape.



(Continued on next page.)

### Exercises during strapping

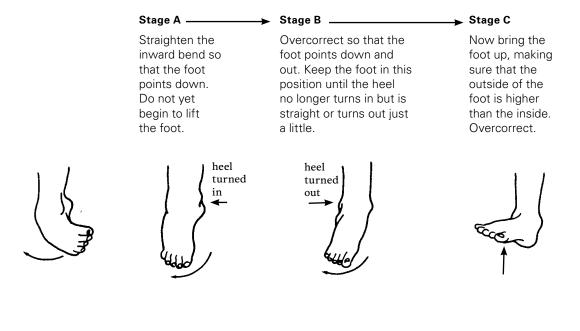
While the baby's foot is strapped, someone in the family should do stretching exercises on his foot every time he is fed or changed (at least 8 times a day).

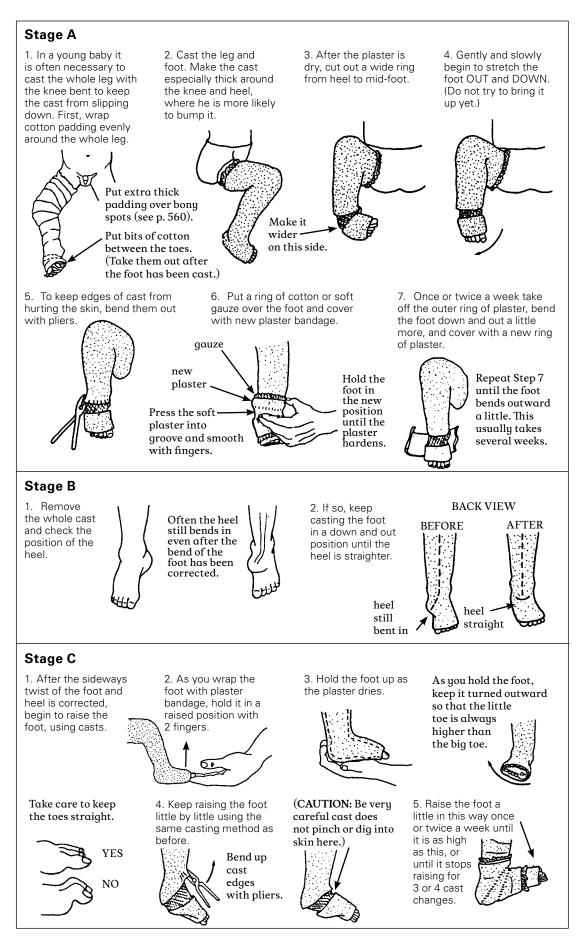


If the foot is not straightened completely within about 3 months of strapping and exercises, surgery is probably needed.

# Method 2: PLASTER CASTS

This method uses a casting technique similar to the one for correcting contractures (see Chapter 59). A club foot is gradually straightened in 3 stages:





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This child was born with a club foot. Village rehabilitation workers used a series of casts to straighten it. First they corrected the inner bend of the foot.



Then they gradually lifted her foot by cutting out rings on the cast, closing the space, and holding it closed with a new strip of plaster (see p. 567).



After 4 months of casting, the foot was in a good position.

#### IMPORTANT

After a club foot has been corrected, great care is needed to prevent it from coming back.

Both exercises and braces are essential. After strapping or casts have been removed, continue the recommended stretching exercises twice a day (see p. 115). Braces for use after correcting club feet are on p. 116.

Many children need to wear braces until they stop growing (age 13 to 18). If the problem keeps returning, surgery is probably needed.



This child who had club feet needs to use braces day and night, at least until he begins to walk, and still at night after that.

Check his feet regularly, for years, for any sign that the foot is beginning to turn in again. Improved bracing may be required.