

## Nappy rash

Nappy rash commonly happens when a baby's skin is exposed to wet or dirty nappies for too long. Urine is sterile (there are no germs in urine). However, germs on the baby's skin, and in the nappy, change chemicals in urine into other chemicals - such as ammonia, which is very irritating to skin. Leaving a wet nappy on a baby for long periods of time can make the rash worse.

Just having a nappy on for a long time is not the only cause of nappy rash. Some babies get nappy rash no matter how well they are cared for, while others do not get nappy rash, even when they are not changed very often. Some babies may have very sensitive skin and rashes on other parts of their bodies. Others may have infections, such as thrush, making the rash worse. Some babies only get nappy rashes when they have a cold or some other viral illness.

Mostly nappy rash can be treated successfully at home. See your doctor if your baby's nappy rash looks severe, is hurting your baby or if it doesn't clear up within a few days.

### Signs

The signs of nappy rash include:

- **Inflamed skin** - the skin around the genital area and anus looks red and moist.
- **Blistering** - the skin may blister, then peel, leaving raw patches (ulcers).
- **Spreading** - the rash can spread onto the tummy and buttocks.
- **Ulcers** - small ulcers can sometimes form on healthy skin near the area of the rash.

All of this damage to the skin is very sore, and the baby can be very unsettled, especially when they pass wee (urine) which comes into contact with the rash. Many babies with nappy rash do not sleep well, waking often due to pain.

### Common causes

To get nappy rash a baby needs to have sensitive skin (often inherited) and a trigger agent, such as exposure to urine and faeces for too long, being unwell (including having diarrhoea), or having an infection on the skin such as thrush.

### Sensitive skin

Babies who have rashes on other parts of their bodies, such as cradle cap or eczema (on the face or under the chin), are more likely to get nappy rashes. Often others in the family will also have had rashes including nappy rash.

### Trigger factors

Some things can trigger nappy rash, including:

- **Ammonia** - chemicals in urine may be changed into ammonia, which 'burns' the skin.
- **Thrush (candida)** - thrush exists in faeces (poo) normally, but the levels rise sometimes without obvious causes. This can occur when a baby needs antibiotics for another infection. Thrush can make a nappy rash much redder and more painful.
- **Chemical exposure** - chemicals in nappy soaking solutions, laundry detergents and fabric softeners can irritate the skin of very sensitive babies. Some baby wipes may cause irritation if they contain alcohol. Some scented soaps or baby lotions can also irritate the skin of some babies.
- **Plastic pants** - these may keep the baby's clothes clean and dry, but they prevent airflow. Because the clothes do not get wet, often a baby is left in a wet or dirty nappy for a long time, keeping the baby's skin wet.
- **Friction** - rough nappies can rub and chafe at the baby's sensitive skin.

### Treatment options

Suggestions to treat or prevent nappy rash include:

- Change your baby more frequently.
- Use disposable nappies, which absorb the urine quickly, leaving the surface of the nappy (which is next to the skin) dry.
- Use only soaps made for babies and baby wipes that do not have alcohol in them. (Wipes made for babies do not have alcohol, but wipes made for adults often do have alcohol in them. Alcohol stings badly on damaged skin).
- Clean your baby's bottom with plain water at nappy changes. If this does not clean the skin well enough, try sorbolene cream, which is a simple and soothing cream.
- Use a barrier cream, such as zinc and cod liver oil or zinc and castor oil, to keep wetness away from baby's skin.
- Make sure you change cloth nappies often and do not put plastic pants over them whenever possible.
- Rinse thoroughly all washed nappies to remove traces of detergents and other chemicals. Then, if possible, dry them in a tumble drier which makes them much softer than drying them in the sun.
- Don't put a nappy on your baby whenever practical.
- Give pain relief if necessary. Rashes such as nappy rash are very painful, especially when urine gets onto them. If your baby is unsettled, try some paracetamol to ease the pain (check the bottle to see how much to give to your baby).

### Seek medical advice

If your baby's nappy rash isn't improving after a few days, see your doctor. The nappy rash may be infected (for example, by thrush) or your baby's skin may be very sensitive. If your doctor suggests creams for thrush or steroid creams (such as hydrocortisone cream), wash the skin well, put a thin layer of the cream on, then (after a couple of minutes) cover the skin and the cream with a barrier cream, such as zinc and cod liver oil. (Note: zinc creams leave stains on nappies and clothes. Many people use disposable nappies while treating nappy rash.)

### Where to get help

- Your doctor
- Maternal and Child Health nurse
- The Maternal and Child Health Line is available 24 hours a day Tel. 132 229.

### Things to remember

- Nappy rash is commonly caused when a baby is left in a wet or dirty nappy for too long.
- Treatment options include more frequent nappy changes, using disposable nappies, and covering the sore area with a barrier cream (such as zinc and cod liver oil or zinc and castor oil creams). Make sure that you use pure soaps made for babies, and baby wipes that do not have alcohol in them.
- If the nappy rash does not get better in a couple of days, or if it spreads onto the tummy, get advice and treatment from your doctor.

### Want to know more?

For references, related links and support group information, go to More information.

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