



## What is jaundice?

Jaundice, also known as Hyperbilirubinemia ("hy-per-bil-ih-roo-bih-NEE-mee-uh"), is a medical condition that occurs when there is too much bilirubin in the blood. Bilirubin is created during the breakdown of red blood cells and hemoglobin and normally exits the body through urine and stool.

Jaundice is common in infants and is exhibited by a yellowing of the skin or eyes. It generally occurs within the first few days of life and can correct itself once the liver begins to effectively breakdown bilirubin. Some infants, however, require phototherapy in order to more quickly breakdown the excess bilirubin in the bloodstream.

## What is phototherapy and how does it work?

Phototherapy is the most common form of treatment for jaundice. The light is able to break down bilirubin close to the skin's surface and is then excreted from the body. Because of this, it is extremely important that the maximum amount of an infant's skin be exposed to the light.

## Why do we use blue light?

Research has shown that light in the blue-green part of the white light spectrum is the most effective in breaking down bilirubin.

Imagination at work

© 2018 General Electric Company

General Electric reserves the right to make changes in specifications and features, or discontinue the product or service described at any time, without notice or obligation. This does not constitute a representation or warranty or documentation regarding the product or service featured. Illustrations are provided for informational purposes, and your configuration may differ.

This information does not constitute legal, financial, coding, or regulatory advice in connection with your use of the product or service. Please consult your professional advisors for any such advice. Operation of GE Healthcare products should neither circumvent nor take precedence over required patient care, including human intervention of healthcare providers. GE Healthcare products and services do not code medical procedures. Accurate coding is the responsibility of the provider or billing professional patients.

GE and GE Monogram are trademarks of General Electric Company.

All other product names and logos are trademarks or registered trademarks of their respective companies.

JB53541XX



# BiliSoft 2.0 Phototherapy System



[gehealthcare.com](http://gehealthcare.com)

## The BiliSoft 2.0 Phototherapy System

The BiliSoft 2.0 Phototherapy System is an easy-to-use therapy device for the treatment of jaundice. The soft cover is made for your baby's comfort, and the large, pliable pad allows you to cradle your baby while administering phototherapy. It consists of a light box and a detachable fiberoptic light pad with a long, flexible fiberoptic cable.

### Indications for Use

The BiliSoft 2.0 Phototherapy System provides light therapy for the treatment of hyperbilirubinemia, commonly known as neonatal jaundice, during the newborn period in the hospital or home setting. The BiliSoft 2.0 Phototherapy System emits a narrow band of blue light considered to be the most effective in the treatment of hyperbilirubinemia.

### Getting Started

It is important that you ask your healthcare provider for information about monitoring your baby during the phototherapy treatment. Follow your doctor's recommendation for treatment duration.

Before you begin treatment, place the following items close to the treatment area:

- Phone numbers of doctor, hospital and home healthcare provider
- Thermometer
- Extra BiliSoft 2.0 Pad Covers or BiliSoft 2.0 Nests

### Recording Daily Activities

You should keep a daily record of your baby's activities and condition while administering phototherapy. These records will provide your healthcare provider or physician with an accurate account of your baby's activities, enabling that person to better assess the progress being made.

#### Taking Temperatures

It is important to monitor your baby's temperature during phototherapy sessions. Your doctor will tell you the range of acceptable temperatures for your infant and may suggest a method for taking temperatures. For charting purposes, it is important that you use the same method each time you take your baby's temperature.

#### Urine/Stools

It is essential that you count and record the number of stools and wet diapers. You will also be asked to describe stools. Loose stools, black or dark green sticky stools are common during phototherapy. These observations will help your

healthcare provider determine if your baby is getting enough fluids and will signify any significant changes in your baby's condition. On your record sheet, note occurrences under the appropriate column and describe the stools.

#### Feeding

Follow your baby's regular feeding schedule. Your healthcare provider can help you determine this. Note feeding times and amount of formula or breast milk taken, or length of time fed, on the record sheet.

#### Treatment Time

Your healthcare provider or physician will tell you how long your baby needs to undergo treatment. Record the actual times at which your baby is put on and taken off the BiliSoft 2.0 Phototherapy System during each 24-hour period. Apply phototherapy for as long as possible during each 24-hour period.

#### Bathing

You may continue your baby's normal bathing routine. Discontinue phototherapy during bathing.

#### Cleaning

The pad can be wiped down with a cloth moistened with a mild hand soap, or with a standard baby wipe. Never submerge any portion of the pad during the course of cleaning or rinsing.



### Using the BiliSoft 2.0 Phototherapy

- 1 Gently insert the BiliSoft 2.0 fiberoptic pad into a BiliSoft 2.0 Pad Cover or BiliSoft 2.0 Nest. The illuminated side, with the baby graphic should face up and should be against the padded side of the cover.
- 2 Remove your baby's clothing except for the diaper. Place your baby on the padded side of the BiliSoft 2.0 cover or BiliSoft 2.0 Nest. The fiberoptic cable should be at the baby's feet. Position your baby according to your doctor's recommendations. Ensure that as much of the baby's skin as possible is in direct contact with the illuminated section of the covered light pad. Adjust the straps as needed.

- 3 Swaddle your baby as needed. Your baby, along with the light pad, may be covered or wrapped in a thin blanket. It is possible to hold and feed the patient while continuing treatment. The patient will continue to receive effective phototherapy treatment as long as the covered, light emitting section of the pad remains in direct contact with the skin.
- 4 Protect your baby's eyes with eye patches or an equivalent appropriate eye protection product. Cover the baby's eyes when using the BiliSoft 2.0 Phototherapy System to shield them from light emitted by the BiliSoft 2.0 fiberoptic light pad. Care should be taken to protect the eyes of other infants nearby. Children and adult caregivers do not need to use eye protection.

- 5 Insert the fiberoptic cable in the box.
- 6 Turn the BiliSoft 2.0 box on.