

MEDICAL POLICY



MEDICAL POLICY DETAILS	
Medical Policy Title	HOME PHOTOTHERAPY FOR HYPERBILIRUBINEMIA
Policy Number	1.01.33
Category	Equipment/Supplies
Effective Date	10/18/01
Revised Date	08/15/02, 07/17/03, 05/19/04, 12/16/04, 10/20/05, 12/07/06, 08/23/07, 08/28/08
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Product Disclaimer	<ul style="list-style-type: none"> • If a product excludes coverage for a service, it is not covered, and medical policy criteria do not apply. • If a commercial product (including an Essential Plan product) or a Medicaid product covers a specific service, medical policy criteria apply to the benefit. • If a Medicare product covers a specific service, and there is no national or local Medicare coverage decision for the service, medical policy criteria apply to the benefit.

POLICY STATEMENT

Based on our criteria and assessment of peer-reviewed literature, home phototherapy for neonatal jaundice has been medically proven to be effective and therefore, **medically appropriate** and considered a treatment option in lieu of a continued hospitalization or re-admission in carefully selected cases. All of the following selection criteria must be met for home intervention:

- I. Phototherapy should be provided prior to discharge for infants with a total serum bilirubin (TSB) level greater than or equal to 15 mg/dL;
 - II. The infant is a healthy, term infant, older than 48 hours whose elevated bilirubin is not due to any primary hepatic disorder;
 - III. TSB greater than 12 mg/dL and less than 18 mg/dL; and
- Diagnostic evaluation (normal history and physical exam, normal lab values: CBC with differential, platelets, blood smear for red cell morphology, reticulocyte count, total and direct bilirubin, maternal and infant blood typing and Coombs test and urinalysis, including a test for reducing substances) has been initiated or completed.

POLICY GUIDELINES

- I. Prior authorization is contract dependent. Please contact the Customer (Provider/Member) Services Department of your local plan to determine contract coverage.
- II. Durable Medical Equipment rider/coverage is required.
- III. Phototherapy should be discontinued when the TSB falls below 13 to 14 mg/dL.

The American Academy of Pediatrics (AAP) practice parameter, *Management of Hyperbilirubinemia in the Healthy Term Newborn* and practice guideline, *Management of Hyperbilirubinemia in the Newborn Infant 35 Weeks or More of Gestation* are located at: <http://pediatrics.aappublications.org/content/pediatrics/114/1/297.full.pdf>.

DESCRIPTION

An elevated bilirubin level may be toxic to the central nervous system causing neurological impairment even in a healthy term newborn. The TSB concentration level has been used as the relevant criterion for management of hyperbilirubinemia in newborns. Phototherapy changes bilirubin through structural photoisomerization into water-soluble lumirubin that is excreted in the urine. The effectiveness of phototherapy is related to the area of skin exposed, and the radiant energy and wavelength of light. There is no standardized method for delivering phototherapy. Phototherapy units differ widely, as do

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the types of lamps used in these units. Units can be freestanding or as part of a radiant warming device. Fiberoptic units have been developed that deliver light from a high intensity lamp to a fiberoptic blanket.

Newborn infants who develop hyperbilirubinemia may require therapeutic intervention (e.g., phototherapy) within the first 24 to 72 hours of life during hospitalization. Home phototherapy may be used as an alternative to hospital phototherapy for early discharge or prevention of re-admission in term infants with elevated TSB without the presence of hemolytic disease or any other pathologic process.

RATIONALE

Peer-reviewed literature has demonstrated that the management of neonatal jaundice (TSB 12-18 mg/dL) with home phototherapy to be a safe, effective method of lowering of TSB and allows for discharge home with the mother for continued bonding. Because devices available for home phototherapy may not provide the same degree of irradiance or surface-area exposure as those available in the hospital, home phototherapy should be used only in infants whose bilirubin levels are in the optional phototherapy range; it is not appropriate for infants with higher bilirubin concentrations.

CODES

- Eligibility for reimbursement is based upon the benefits set forth in the member's subscriber contract.
- CODES MAY NOT BE COVERED UNDER ALL CIRCUMSTANCES. PLEASE READ THE POLICY AND GUIDELINES STATEMENTS CAREFULLY.
- Codes may not be all inclusive as the AMA and CMS code updates may occur more frequently than policy updates.

CPT Codes

Code	Description
No specific code(s)	

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HCPCS Codes

Code	Description
E0202	Phototherapy (bilirubin) light with photometer
S9098	Home visit, phototherapy services (e.g., Bili-lite), including equipment rental, nursing services, blood draw, supplies, and other services, per diem

ICD10 Codes

Code	Description
P59.9	Neonatal jaundiced, unspecified

REFERENCES

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*Key Article

KEY WORDS

Bililights, Biliblanket, Jaundice, TSB.

CMS COVERAGE FOR MEDICARE PRODUCT MEMBERS

Based on our review, home phototherapy for hyperbilirubinemia is not addressed in National or Regional CMS coverage determinations or policies.