PLAGIOCEPHALY AND CRANIOSYNOSTOSIS TREATMENT

Guideline Number: MMG102.H  Effective Date: October 1, 2018

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INSTRUCTIONS FOR USE

This Medical Management Guideline provides assistance in interpreting UnitedHealthcare benefit plans. When deciding coverage, the member specific benefit plan document must be referenced. The terms of the member specific benefit plan document [e.g., Evidence of Coverage (EOC) and Schedule of Benefits (SOB)] may differ greatly from the standard benefit plan upon which this Medical Management Guideline is based. In the event of a conflict, the member specific benefit plan document supersedes this Medical Management Guideline. All reviewers must first identify member eligibility, any federal or state regulatory requirements, and the member specific benefit plan coverage prior to use of this Medical Management Guideline. Other Policies and Guidelines may apply. UnitedHealthcare reserves the right, in its sole discretion, to modify its Policies and Guidelines as necessary. This Medical Management Guideline is provided for informational purposes. It does not constitute medical advice.

UnitedHealthcare may also use tools developed by third parties, such as the MCG™ Care Guidelines, to assist us in administering health benefits. The MCG™ Care Guidelines are intended to be used in connection with the independent professional medical judgment of a qualified health care provider and do not constitute the practice of medicine or medical advice.

Member benefit coverage and limitations may vary based on the member’s benefit plan Health Plan coverage provided by or through UnitedHealthcare of California, UnitedHealthcare Benefits Plan of California, UnitedHealthcare of Oklahoma, Inc., UnitedHealthcare of Oregon, Inc., UnitedHealthcare Benefits of Texas, Inc., or UnitedHealthcare of Washington, Inc.

BENEFIT CONSIDERATIONS

Essential Health Benefits for Individual and Small Group

For plan years beginning on or after January 1, 2014, the Affordable Care Act of 2010 (ACA) requires fully insured non-grandfathered individual and small group plans (inside and outside of Exchanges) to provide coverage for ten categories of Essential Health Benefits (“EHBs”). Large group plans (both self-funded and fully insured), and small group ASO plans, are not subject to the requirement to offer coverage for EHBs. However, if such plans choose to provide coverage for benefits which are deemed EHBs, the ACA requires all dollar limits on those benefits to be removed on all Grandfathered and Non-Grandfathered plans. The determination of which benefits constitute EHBs is made on a state by state basis. As such, when using this guideline, it is important to refer to the member specific benefit plan document to determine benefit coverage.

COVERAGE RATIONALE

Cranial orthotic devices are reconstructive and medically necessary for treating infants with the following conditions:

- Craniofacial asymmetry with severe (non-synostotic) positional plagiocephaly when all the following criteria are present (1, 2 and 3):
1. Infant is between 3-18 months of age
2. Severe plagiocephaly* is present with or without torticollis
3. There is documentation of a trial of conservative therapy of at least 2 months duration with cranial repositioning, with or without stretching therapy.
   • Craniosynostosis (i.e., synostotic plagiocephaly) following surgical correction

*Severe plagiocephaly is defined as an asymmetry of 10 mm or more in one of the following anthropometric measures: cranial vault, skull base, or orbitotragial depth; or a cephalic index at least 2 standard deviations above or below the mean for the appropriate gender/age. Clinical evidence demonstrates improved surgical outcomes with the use of the orthotic.

**Note:** Please see Description of Services section for additional information regarding anthropometric measurements and cephalic index graph.

**Cranial orthotic devices are cosmetic and not medically necessary for treating infants with mild to moderate plagiocephaly.**

There are no definitive data demonstrating adverse health effects associated with a mild to moderate degree of cranial asymmetry, and, therefore, it is unclear whether treatment of these individuals provides a future health benefit, or merely a cosmetic effect. In general, severe plagiocephaly occurs in utero and is present at birth. Limited clinical evidence suggests that it may be associated with future ocular and/or oral abnormalities. Acquired plagiocephaly occurs following the placement of the infant in a supine sleeping position to prevent sudden infant death syndrome (SIDS), and is ordinarily mild to moderate. Positional plagiocephaly has not been linked to future comorbidities.

**APPLICABLE CODES**

The following list(s) of procedure and/or diagnosis codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this guideline does not imply that the service described by the code is a covered or non-covered health service. Benefit coverage for health services is determined by the member specific benefit plan document and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies and Guidelines may apply.

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<thead>
<tr>
<th>CPT Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>21175</td>
<td>Reconstruction, bifrontal, superior-lateral orbital rims and lower forehead, advancement or alteration (e.g., plagiocephaly, trigonocephaly, brachycephaly), with or without grafts (includes obtaining autografts)</td>
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<tr>
<th>HCPCS Code</th>
<th>Description</th>
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<tr>
<td>D5924</td>
<td>Cranial prosthesis</td>
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<tr>
<td>L0112</td>
<td>Cranial cervical orthosis, congenital torticollis type, with or without soft interface material, adjustable range of motion joint, custom fabricated</td>
</tr>
<tr>
<td>L0113</td>
<td>Cranial cervical orthotic, torticollis type, with or without joint, with or without soft interface material, prefabricated, includes fitting and adjustment</td>
</tr>
<tr>
<td>S1040</td>
<td>Cranial remolding orthosis, pediatric, rigid, with soft interface material, custom fabricated, includes fitting and adjustment(s)</td>
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**DESCRIPTION OF SERVICES**

**Plagiocephaly** (an asymmetrical head shape) is most often the result of infant spending extended periods of time on their back, typically during sleep. Plagiocephaly can also occur as a feature of other disorders (e.g., craniofacial disorders, torticollis, cervical anomalies) and is categorized as either positional or nonpositional (premature union of cranial sutures).

**Positional plagiocephaly,** also called deformational plagiocephaly or positional cranial deformity (PCD), results from external pressure (molding) that causes the skull to become misshapen. It is most often associated with infants sleeping or lying on their backs. Supine positioning is recommended as a strategy to reduce the likelihood of SIDS, and has contributed to the increased incidence of post-natal plagiocephaly. Plagiocephaly can also occur as a feature of other disorders (e.g., craniofacial disorders, torticollis, and cervical anomalies). Positional skull deformities are generally benign, reversible head-shape anomalies that do not require surgical intervention.

**Craniosynostosis** is a non-positional cause of abnormal head shape in infants and occurs when one or more of the sutures in the infant’s skull fuse prematurely. The premature fusion of one or more sutures puts pressure on the brain,
potentially restricting brain growth and exerting pressure on the other skull bones to expand out of proportion, leading to abnormal skull shape. This can result in neurologic damage and progressive craniofacial distortion.

The involved suture and anatomical name is listed below for the types of craniosynostosis:

- Primary craniosynostosis (PC) is a general term for the improper development and premature closure of sutures of the bones of the skull.
- Simple (or isolated) craniosynostosis classifications include:
  - Sagittal or scaphocephaly (cephal = “head”); scaphocephaly (boat-shaped)
  - Dolichocephaly (long)
  - Coronal (bilateral) brachycephaly (short)
  - Coronal (unilateral) plagioccephaly (diagonal)
  - Coronal (anterior plagiocephaly)
  - Metopic trigonocephaly (triangle-shaped)
  - Lambdoidal (bilateral) posterior or occipital brachycephaly
  - Lambdoidal (unilateral) posterior or occipital plagiocephaly
- Compound craniosynostosis

Non-Synostotic Positional Plagiocephaly
Positional plagiocephaly is treated conservatively and many cases do not require any specific treatment as the condition may resolve spontaneously when the infant begins to roll over and, later, to sit up. When the deformity is moderate or severe and a trial of repositioning the infant has failed, a specialist in craniofacial deformities may prescribe a cranial orthotic device (COD) to remodel the misshapen head.

Treatment for Positional Plagiocephaly
Treatment for positional plagiocephaly is based on the age of the infant and the severity of the deformity. The optimal treatment is prevention through active counterpositioning of sleeping babies until they are able to move their heads freely during sleep, usually by six months of age.

While no accurate estimates of the incidence of positional plagiocephaly are currently available, the supine sleeping position, currently recommended by the American Academy of Pediatrics (AAP) to reduce the risk of SIDS, has been associated with an increased frequency of positional plagiocephaly due to pressure of the back of the head against a firm mattress. Prevention and management of positional skull deformities in infants, includes anticipatory counseling for parents, mechanical adjustments, and exercises. (Laughlin, et al. 2011)

Plagiocephaly with Synostosis
Craniosynostosis is characterized by the premature closure of one or more of the fibrous joints between the bones of the skull (called the cranial sutures) before brain growth is complete. Closure of a single suture is most common. In contrast to normal skull growth, in which the skull expands uniformly to accommodate the growth of the brain, premature closure of a single suture restricts the growth in that part of the skull and promotes growth in other parts of the skull where sutures remain open. This results in an abnormal shape of the skull, but does not prevent the brain from expanding to a normal volume. However, when more than one suture closes prematurely, the skull cannot expand to accommodate the growing brain, which leads to increased pressure within the skull and impaired development of the brain (National Institute of Neurological Disorders and Stroke (NINDS 2017).

Craniosynostosis requires surgical treatment to open the prematurely closed suture(s) in order to allow for normal brain growth. (NINDS, 2017; Sheth; Clayman et al., 2007) The major complications associated with uncorrected craniosynostosis include increased intracranial pressure and abnormal brain development.

Surgical treatment of craniosynostosis has evolved from simple excision of the stenosed suture to complex procedures such as cranial vault remodeling and fronto-orbital advancement. Cranial vault remodeling involves removal of the fused suture, multiple osteotomies and remodeling of the skull using plates and screws as necessary. These operations are usually recommended for infants aged 6 to 8 months, are lengthy (4-8 hours), and associated with significant blood loss (300-1500mL), need for blood transfusions and can require hospitalization for 4 - 7 days (Clayman et al, 2007).

Spring-mediated cranioplasty is a minimally invasive alternative to the standard surgical procedure for craniosynostosis. Two dynamic springs made of steel are fashioned in the operating room by the surgeon and placed in the gap left by the removal of the fused suture. The child has a second, smaller operation to remove the 2 springs approximately 3-4 months after the initial procedure. (Lauritzen et al., 1998)

Endoscopic strip craniectomy is another recently developed, less invasive surgery to treat craniosynostosis. The principal goal of this procedure is to remove stenosed sutures, and to allow the skull to expand into a normal shape as the brain grows. After surgery, the infant wears a customized helmet for 11 to 12 months to guide and constrain this
expansion and correction process. The procedure is best performed when the infant is < 6 months old (Jimenez et al., 2002).

CODs have also been used after traditional surgery for craniosynostosis. The devices are used to protect the remodeled skull, prevent recurrence of the deformity, and promote corrective reshaping. In this case, they are used to maintain the remodeling accomplished by surgery, rather than to reshape the skull.

A standard method of measurement for plagiocephaly and craniosynostosis has not been adopted. Methods include the use of clinical observation and precision calipers. Other methods include the use of elastic and low temperature thermoplastic bands wrapped circumferentially around the widest point of the head which may then be digitized by photography, photocopied, or scanned to allow measurement and head shape to be analyzed. (McGarry et al., 2008)

**Evaluation of Plagiocephaly**

The diagnosis of the type of craniosynostosis is confirmed through physical examination and imaging studies.

Anthropometric data, or the measurements used to evaluate abnormal head shape by measuring the distance in millimeters from one pre-designated point on the face or skull to another must document moderate to severe plagiocephaly.

The evaluation of cranial asymmetry may be based on 1 or more of 4 anthropometric measures: cranial vault, skull base, orbitotragial depth measurements or the cephalic index.

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<th>Specifications for Taking Anthropometric Measurements</th>
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<tr>
<td><strong>Anthropometric Measure</strong></td>
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<tr>
<td>Cranial Vault</td>
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<tr>
<td>Skull Base</td>
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<td>Orbitotragial Depth</td>
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Evaluation of cranial asymmetry may also be based on the cephalic index, a ratio between the width and length of the head. Typically, head width is calculated by subtracting the distance from euryon (eu) on one side of the head to euryon on the other side of head and multiplying by 100. Head length is generally calculated by measuring the distance from glabella point (g) to opisthocranion point (op). The cephalic index is then calculated as: Head width \((eu – eu) x 100\) / Head length \((g – op)\).

The cephalic index is considered abnormal if it is 2 standard deviations above or below the mean measurements (Farkas and Munro, 1987).

**Cephalic Index**

<table>
<thead>
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<tr>
<td>Gender</td>
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Patient Selection Criteria:

There are no definable standard criteria for starting helmet therapy. Treatment decision is influenced more strongly by factors other than medical evidence, such as physician preference (Kim et al., 2013).

**CLINICAL EVIDENCE**

**Cranial Orthotic Devices (CODs)**

CODs are used in infants for the treatment of positional plagiocephaly, deformation of the head that results from external pressure applied to the soft infant skull.
Lam et al. (2017) performed a retrospective chart review of their single institutional experience (2008-2014) analyzing improvements associated with various treatment modalities for positional plagiocephaly. Univariate and multivariate analyses were used to assess the impact of these variables on the change in measured oblique diagonal difference (ODD) on head shape surface scanning pre- and posttreatment. A total of 991 infants < 1 year of age (average age 6.2 months) were evaluated for cranial positional deformity in a dedicated clinical program. The most common deformity was occipital plagiocephaly (69.5%), followed by occipital brachycephaly (18.4%) or a combination of both (12.1%). Recommended treatment included repositioning (RP), physical therapy (PT) if indicated, or the use of a customized cranial orthosis (CO). Of the 991 eligible patients, 884 returned for at least 1 follow-up appointment and 552 patients were followed to treatment completion. Of the 991 patients, 543 (54.8%) had RP or PT as first recommended treatment. Of these 543 patients, 137 (25.2%) transitioned to helmet therapy after the condition did not improve over 4-8 weeks. In the remaining cases, RP/PT had already failed before the patients were seen in this program, and the starting treatment recommendation was CO. At the end of treatment, the measured improvements in ODD were 36.7%, 33.5%, and 15.1% for patients receiving CO, RP/PT/CO, and RP/PT, respectively. Orthotic treatment corresponded with the largest ODD change, while the RP/PT group had the least change in ODD. Earlier age at presentation corresponded with larger ODD change. The authors concluded that obtaining treatment at an earlier age as well as the type of treatment utilized impacts the degree of measured deformational head shape correction in positional plagiocephaly. This study suggests that treatment with a custom CO can result in more improvement in objective measurements of head shape.

Freudlsperger et al. (2016) investigated the impact of starting age and severity on the effectiveness of helmet therapy. A total of 213 pediatric patients treated for positional plagiocephaly with an asymmetry were measured according to the Cranial Vault Asymmetry Index (CVAI) using 3D-Photogrammetry. Patients were classified by age at which treatment was started: Group 1 was comprised of patients < 24 weeks; Group 2, those aged 24-32 weeks; Group 3, those aged >32 weeks. Groups were also categorized by severity. Mean initial CVAI was 9.8%, which reduced to 5.4% after helmet treatment. Group 1 showed the highest absolute and relative rate of correction. Within the groups, severity correlated positively with relative and absolute reduction of the asymmetry. A significant difference in the reduction of the CVAI depending on age was only seen in moderate and severe cases of plagiocephaly- but not in mild plagiocephal. The authors concluded the present study confirms the effectiveness of helmet therapy for positional plagiocephaly. The use of an orthotic device is an appropriate treatment option particularly in infants with severe plagiocephaly and a start of helmet therapy before the age of 6 month is advisable.

Ho et al. (2016) conducted a retrospective review on data from a single institution (2009-2012) to investigate the effectiveness of helmet therapy compared to no helmet therapy in the treatment of positional plagiocephaly in infants < 1 year of age. Participants included 171 infants with positional plagiocephaly (127 males, 44 females). Eighty-four patients received a helmet while 87 were not prescribed any therapy. The decision to initiate helmet therapy was made by the clinician based on the examination, parents’ wishes, and recommendation of the orthotist. Mean age at the initial consultation was 7.38 months with an average follow-up length of 5.85 months. Those with helmets had a longer mean follow-up than those without (7.78 versus 3.85 months). In general, there was a reduction in overall plagiocephaly score regardless of whether or not the infant had helmet therapy. This suggests, that while the cosmetic abnormalities resulting from positional plagiocephaly improved in both groups, those with helmets may have had a greater benefit. The authors concluded that there may be a role for helmet therapy in the treatment of positional plagiocephaly, particularly in those with severe cosmetic deformity. However, further randomized controlled trials are required to produce more conclusive evidence.

Lipira et al. (2010) used whole head 3D surface scans to compare outcomes of orthotic helmets and active repositioning in 70 infants with deformational plagiocephaly. Helmeted (n=35) and nonhelmeted/actively repositioned (n=35) infants were matched for severity of initial deformity. Change in mean and maximum asymmetry with treatment was the basis for group comparison. The helmeted group had a larger reduction than the repositioned group in both maximum (4.0% vs 2.5%) and mean asymmetry (0.9% vs 0.5%). The greatest difference was localized to the occipital region. The authors concluded that additional studies are needed to establish the clinical significance of these quantitative differences in outcome, define what constitutes pathologic head asymmetry, and determine whether superiority of orthotic treatment lasts as the child matures.

In a study of 1050 infants, Couture et al. (2013) reported successful use of off-the-shelf helmet therapy. Infants with an Argenta classification type I (minimal deformity) were treated with repositioning while infants with an Argenta severity rating of II - V were treated with a helmet. Correction (overall rate of 81.6%) took longer in patients with an Argenta severity of III, IV, and V compared with Argenta type II, but was not significantly affected by age.

Kruba et al. (2011) enrolled 62 infants with severe positional plagiocephaly in a prospective longitudinal study. Twenty-four started helmet therapy before 6 months of age (group 1) and 38 were older than 6 months (group 2). Duration of therapy was significantly shorter in group 1 (14 weeks) compared with group 2 (18 weeks) with significantly better outcomes. The Cranial Vault Asymmetry Index in group 1 was reduced to a normal mean value while infants in group 2 did not achieve normal values. The relative improvement in asymmetry was significantly
better in group 1 (75%) compared with group 2 (61%). After 4 to 11 weeks of treatment, group 1 already showed a better absolute reduction and a better relative reduction. The authors concluded that optimal starting age for helmet therapy in infants with severe positional plagiocephaly is in months 5 to 6. They also conclude that delaying the onset of treatment significantly deteriorates the outcome.

Graham et al (2005) compared the effect of repositioning versus helmet therapy on CI in 193 infants referred for brachycephaly. Among the subgroup of 96 infants treated by repositioning from an average age of 4.6 - 7.7 months, the mean initial CI was 86.3% and the mean final CI was 85.7%. The change in CI was not significant. Among the subgroup of 97 infants treated with helmets from an average age of 6.0 - 10.3 months, the mean initial CI was 91.5% and the mean final CI was 88.4%. The change in CI for this group was significant. The authors concluded that implementation of helmet treatment at a younger age resulted in more improvement in the CI.

CODs are accepted as treatment for positional cranial deformity by major organizations. This is likely due to the large number of trials encompassing a large study population that produced consistently positive outcomes with minimal reports of complications.

**Professional Societies**

**American Association of Neurological Surgeons (AANS) / Congress of Neurological Surgeons (CNS)**
Evidence-based guidelines were developed by a multidisciplinary task force comprised of the Joint Section on Pediatric Neurosurgery of the AANS and the CNS recommend the following regarding the management of pediatric positional plagiocephaly:

- Repositioning therapy or devices may be effective as sole therapy to improve cranial asymmetry, particularly for mild-moderate deformity.
- PT is recommended and is effective over repositioning alone for reducing the prevalence of infantile positional plagiocephaly in infants 7 weeks of age.
- Helmet therapy is recommended for infants with persistent moderate-severe plagiocephaly after a course of conservative treatment (repositioning and/or physical therapy) (Flannery et al., 2016).

**American Association of Neurological Surgeons (AANS)**
In a Patient Fact Sheet on craniosynostosis and craniofacial disorders, the AANS states that when it is indicated, most experts recommend surgical treatment between the ages of 3-8 months, depending on the case and surgical procedure. They state that early intervention is beneficial for several reasons, including prevention of further deformities, the bones are most malleable at this age, bone re-growth is quicker and more likely, and rapid brain growth benefits from skull remodeling. However, the AANS does not specifically endorse any particular treatments or procedures specifically.

**American Academy of Pediatrics (AAP)**
The AAP endorsed the evidence-based guidelines mentioned above, developed by the multidisciplinary task force comprised of the Joint Section on Pediatric Neurosurgery of the AANS and the CNS (Lam and Luerssen, 2016).

A clinical report published by the AAP recommends educating parents of newborns about the importance of alternating laying positions while sleeping and providing “tummy time” to prevent positional cranial deformity. If deformational plagiocephaly develops, the AAP recommends mechanical adjustments such as positioning so that the rounded side of the head is placed against the mattress or rearranging the room so that the child looks away from the flattened side of the head to see others in the room. For torticollis, neck motion exercises are recommended. If these therapies prove unsuccessful, a neurosurgical consultation is recommended to ensure a proper diagnosis and to direct subsequent management (including cranial orthotics and/or surgery). The report concludes that the best response for helmets occurs in children aged 4-12 months due to the malleability of the infant skull, and that surgery is indicated only when the deformities are severe and resistant to nonsurgical interventions (Laughlin, et al., 2011).

**Canadian Paediatric Society (CPS)**
The CPS issued recommendations for the management of positional plagiocephaly. For the management of most children with mild or moderate positional plagiocephaly, the CPS recommends repositioning therapy plus PT as needed. Molding (helmet) therapy may be considered for children with severe asymmetry. The recommendations note that helmet therapy has been shown to influence the rate of improvement of asymmetry but not its final outcome. In addition, the CPS considers the evidence regarding the use of helmet therapy for the treatment of mild or moderate asymmetry insufficient. (Cummings et al., 2011; Reaffirmed 2018)

There are multiple open clinical trials studying craniosynostosis. For more information, please go to [www.clinicaltrials.gov](http://www.clinicaltrials.gov).
Cranial orthoses are classified by the FDA as Class II devices. This classification requires special controls, including prescription use, biocompatibility testing, and labeling (contraindications, warnings, precautions, adverse events, and instructions for physicians and parents). They are intended for medical purposes to apply pressure to prominent regions of an infant's cranium in order to improve cranial symmetry and/or shape in infants from 3 to 18 months of age, with moderate to severe nonsynostotic positional plagiocephaly, including infants with plagiocephalic-, brachycephalic-, and scaphocephalic-shaped heads. The FDA has approved a large number of cranial orthoses. Additional information, under product code MVA, is available at: http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfPMN/pmncfm. (Accessed May 30, 2018)

REFERENCES


Cummings C. Canadian Paediatric Society Community Paediatrics Committee; Positional plagiocephaly; Paediatr Child Health; 2011; 16 (8): 493-496.

Farkas LG, Munro IR, editors; Anthropometric facial proportions in medicine; Springfield, IL, Charles C; Thomas; 1987.


Jimenez DF, Barone CM; Endoscopy-assisted wide-vertex craniectomy, "barrel-stave" osteotomies, and postoperative helmet molding therapy in the early management of sagittal suture craniosynostosis; Neurosurg Focus; 2000 Sep 15; 9 (3): e2.


Laughlin J, Luerssen TG, Dias MS. Committee on Practice and Ambulatory Medicine Section on Neurological Surgery; Prevention and management of positional skull deformities in infants; Pediatrics; 2011 Dec; 128 (6): 1236-41.


National Institute of Neurological Disorders and Stroke (NINDS); Craniosynostosis Information Page; Last updated May 25, 2017.


GUIDELINE HISTORY/REVISION INFORMATION

<table>
<thead>
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<th>Action/Description</th>
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| 10/01/2018 | • Updated policy header to reflect the most current UnitedHealthcare West branding; modified list of applicable products to encompass new benefit plans effective Jan. 1, 2019  
• Revised coverage rationale:  
  o Modified coverage criteria for treatment of craniofacial asymmetry with severe (non-synostotic) positional plagiocephaly:  
    ▪ Replaced criterion requiring:  
      - “Infant is 18 months of age or younger” with “infant is between 3-18 months of age”  
      - “Severe asymmetry is present with or without torticollis” with “severe plagiocephaly is present with or without torticollis”  
    ▪ Replaced language indicating “clinical evidence demonstrates improved surgical outcomes with the post-operative use of [a cranial] orthotic” with “clinical evidence demonstrates improved surgical outcomes with use of [a cranial] orthotic”  
  o Removed language indicating:  
    ▪ Surgical treatment to repair craniosynostosis is reconstructive and medically necessary irrespective of the approach used  
    ▪ Less invasive procedures including endoscopic strip craniectomy and spring-mediated cranioplasty are proven and medically necessary as a form of surgical treatment to repair craniosynostosis  
• Updated list of applicable CPT codes; removed 61550, 61552, 61556, 61557, 61558, and 61559  
• Updated supporting information to reflect the most current description of services, clinical evidence, and references  
• Archived previous policy version MMG102.G |