Clinical Policy: Parathyroid Hormone (Natpara)
Reference Number: CP.PHAR.282
Effective Date: 11.16.16
Last Review Date: 02.21
Line of Business: Commercial, HIM, Medicaid

See Important Reminder at the end of this policy for important regulatory and legal information.

Description
Parathyroid hormone (Natpara®) is a parathyroid hormone.

FDA Approved Indication(s)
Natpara is indicated as an adjunct to calcium and vitamin D to control hypocalcemia in patients with hypoparathyroidism.

Limitation(s) of use:
- Because of the potential risk of osteosarcoma, Natpara is recommended only for patients who cannot be well-controlled on calcium supplements and active forms of vitamin D alone.
- Natpara was not studied in patients with hypoparathyroidism caused by calcium-sensing receptor mutations.
- Natpara was not studied in patients with acute post-surgical hypoparathyroidism.

Policy/Criteria
Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation® that Natpara is medically necessary when the following criteria are met:

I. Initial Approval Criteria
A. Hypocalcemia Secondary to Hypoparathyroidism (must meet all):
   1. Diagnosis of hypocalcemia secondary to hypoparathyroidism;
   2. Prescribed by or in consultation with an endocrinologist;
   3. Age ≥ 18 years;
   4. Natpara is prescribed as an adjunct to calcium supplements and active forms of vitamin D, unless contraindicated;
   5. Recent (dated within the last 30 days) serum calcium level is > 7.5 mg/dL;
   6. Recent (dated within the last 30 days) lab result shows sufficient 25-hydroxyvitamin D stores [≥ 50 nmol/L (≥ 20 ng/mL)];
   7. Failure of a 12-week trial of calcium supplements and active forms of vitamin D (e.g., calcitriol) at up to maximally indicated doses, unless contraindicated or clinically significant adverse events are experienced;
      *Prescriber must indicate that the hypocalcemia is not well controlled with calcium supplements and active forms of vitamin D (see examples in Appendix B below).
   8. Dose does not exceed 100 mcg per day.
Approval duration:
Medicaid – 6 months
Commercial – 6 months or to the member’s renewal date, whichever is longer

B. Other diagnoses/indications
1. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

II. Continued Therapy
A. Hypocalcemia Secondary to Hypoparathyroidism (must meet all):
   1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
   2. Member is responding positively to therapy as evidenced by one of the following (a or b):
      a. Recent (dated within the last 90 days) serum calcium level is within 8-9 mg/dL;
      b. Recent serum calcium level is > 9 mg/dL, and Natpara dose is being decreased;
   3. If request is for a dose increase, new dose does not exceed 100 mcg per day.

Approval duration:
Medicaid – 6 months
Commercial – 6 months or to the member’s renewal date, whichever is longer

B. Other diagnoses/indications (must meet 1 or 2):
1. Currently receiving medication via Centene benefit and documentation supports positive response to therapy.

   Approval duration: Duration of request or 6 months (whichever is less); or
2. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

III. Diagnoses/Indications for which coverage is NOT authorized:
A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid, or evidence of coverage documents.

IV. Appendices/General Information
   Appendix A: Abbreviation/Acronym Key
   FDA: Food and Drug Administration

   Appendix B: Therapeutic Alternatives
   This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business and may require prior authorization.
### Therapeutic Alternatives

Therapeutic alternatives are listed as **Brand name® (generic)** when the drug is available by brand name only and **generic (Brand name®)** when the drug is available by both brand and generic.

### Appendix C: Contraindications/Boxed Warnings
- **Contraindication(s):** hypersensitivity to any component of the product
- **Boxed warning(s):** potential risk of osteosarcoma

### Appendix D: General Information
- As stated in the prescribing information, the prescriber should confirm 25-hydroxyvitamin D stores are sufficient and serum calcium is above 7.5 mg/dL before starting Natpara.
- The goal of Natpara treatment is to achieve serum calcium within the lower half of the normal range (8 to 9 mg/dL) and to reduce the required doses of calcium and vitamin D supplementation.
- Examples of a “failure” of calcium and vitamin D supplementation can include: large swings in calcium levels, calcium phosphate product cannot be maintained within an acceptable range, high risk of renal complications due to hypercalciuria or calcium containing stones, evidence of renal complications such as nephrolithiasis or having a condition causing poor calcium and vitamin D absorption.

### V. Dosage and Administration

<table>
<thead>
<tr>
<th>Indication</th>
<th>Dosing Regimen</th>
<th>Maximum Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypocalcemia secondary to hypoparathyroidism</td>
<td>50 mcg SC QD; increase in increments of 25 mcg every 4 weeks</td>
<td>100 mcg/day</td>
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</tbody>
</table>

### VI. Product Availability

Multiple-dose, dual-chamber glass cartridges: 25 mcg/dose, 50 mcg/dose, 75 mcg/dose, 100 mcg/dose

### VII. References


### Coding Implications

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-
date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

<table>
<thead>
<tr>
<th>HCPCS Codes</th>
<th>Description</th>
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<tbody>
<tr>
<td>J3590</td>
<td>Unclassified biologics</td>
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</tbody>
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<thead>
<tr>
<th>Reviews, Revisions, and Approvals</th>
<th>Date</th>
<th>P&amp;T Approval Date</th>
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<tbody>
<tr>
<td>Converted to new template. Minor changes to verbiage and grammar. References updated.</td>
<td>01.24.17</td>
<td>11.17</td>
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<tr>
<td>Added requirement for calcium and 25-hydroxyvitamin D levels and a 12-week trial of calcium supplements and active forms of vitamin D.</td>
<td>04.25.17</td>
<td>11.17</td>
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<tr>
<td>3Q 2018 annual review: replaces existing commercial Natpara policy; added Medicaid LOB; no significant changes; references reviewed and updated.</td>
<td>05.12.17</td>
<td>08.18</td>
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<tr>
<td>3Q 2019 annual review: no significant changes; references reviewed and updated.</td>
<td>05.16.19</td>
<td>08.19</td>
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<tr>
<td>1Q 2020 annual review: no significant changes; added HIM line of business; references reviewed and updated.</td>
<td>09.17.19</td>
<td>02.20</td>
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<tr>
<td>1Q 2021 annual review: no significant changes; references to HIM.PHAR.21 revised to HIM.PA.154; added coding implications; references reviewed and updated.</td>
<td>10.27.20</td>
<td>02.21</td>
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**Important Reminder**

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

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Note: For Medicaid members, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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