Clinical Policy: Sucroferric Oxyhydroxide (Velphoro)
Reference Number: HIM.PA.SP30
Effective Date: 05.17
Last Review Date: 02.21
Line of Business: HIM

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

Description
Sucroferric oxyhydroxide (Velphoro®) is a phosphate binder.

FDA Approved Indication(s)
Velphoro is indicated for the control of serum phosphorus levels in patients with chronic kidney disease (CKD) on dialysis.

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 Velphoro is medically necessary when the following criteria are met:

I. Initial Approval Criteria
   A. Hyperphosphatemia (must meet all):
      1. Diagnosis of hyperphosphatemia associated with CKD or end stage renal disease (ESRD);
      2. Member is on dialysis;
      3. Age ≥ 18 years;
      4. Member meets one of the following (a, b, c, or d):
         a. Failure (e.g., serum phosphorus > 5.5 mg/dL) of a 4-week trial of calcium acetate at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
         b. Hypercalcemia as evidenced by recent (within the previous 30 days) corrected total serum calcium level > 10.2 mg/dL;
         c. Plasma parathyroid hormone (PTH) levels < 150 pg/mL on 2 consecutive measurements in the past 180 days;
         d. History of severe vascular and/or soft-tissue calcifications;
      5. Failure (e.g., serum phosphorus > 5.5 mg/dL) of a 4-week trial of lanthanum (generic Fosrenol®) or sevelamer hydrochloride (generic Renvela®) at up to maximally indicated doses, unless clinically significant adverse effects are experienced or both are contraindicated;
      6. Dose does not exceed 3,000 mg (6 tablets) per day.
   Approval duration: 12 months
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): HIM.PA.154 for health insurance marketplace.

II. Continued Therapy
A. Hyperphosphatemia (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 (e.g., reduction in serum phosphorus from pretreatment level; maintenance of serum phosphorus level ≤ 5.5 mg/dL);
   3. If request is for a dose increase, new dose does not exceed 3,000 mg (6 tablets) per day.

   Approval duration: 12 months

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

   Approval duration: Duration of request or 12 months (whichever is less); or

   3. 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): HIM.PA.154 for health insurance marketplace.

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 policy – HIM.PA.154 for health insurance marketplace.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key
CKD: chronic kidney disease
ESRD: end-stage renal disease
FDA: Food and Drug Administration
PTH: parathyroid hormone

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.

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Dosing Regimen</th>
<th>Dose Limit/Maximum Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>calcium acetate</td>
<td>2 capsules PO TID with meals; titrate to phosphorus &lt; 6 mg/dL and calcium &lt; 9.5 mg/dL</td>
<td>1,500 mg/day total elemental calcium</td>
</tr>
</tbody>
</table>
### Dosing Regimen

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Dosing Regimen</th>
<th>Dose Limit/ Maximum Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>lanthanum (Fosrenol®)</td>
<td>1,500 mg PO daily in divided doses; titrate by 750 mg/day every 2 to 3 weeks based on serum phosphorus level</td>
<td>4,500 mg/day</td>
</tr>
</tbody>
</table>
| sevelamer carbonate (Renvela®) | Starting dose for adult dialysis patients based on serum phosphorus level  
If serum phosphorus is:  
> 5.5 to < 7.5 mg/dL: 0.8 g PO TID w/ meals  
≥ 7.5 mg/dL: 1.6 g PO TID w/ meals  
Starting dose for pediatric patients (6 years and older) based on body surface area (BSA)  
≥ 0.75 to < 1.2: 0.8 mg PO TID w/ meals  
≥ 1.2: 1.6 g PO TID w/ meals  
Starting dose for patients switching from calcium acetate to Renvela based on calcium acetate 667 mg/capsule dosing schedule  
- Calcium acetate 1 cap PO TID: Renvela 0.8 g PO TID w/ meals  
- Calcium acetate 2 caps PO TID: Renvela 1.6 g PO TID w/ meals  
- Calcium acetate 3 caps PO TID: Renvela 2.4 g PO TID w/ meals | 14 g/day |

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**

None reported

**V. Dosage and Administration**

<table>
<thead>
<tr>
<th>Indication</th>
<th>Dosing Regimen</th>
<th>Maximum Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyperphosphatemia</td>
<td>500 mg PO TID with meals</td>
<td>3,000 mg/day</td>
</tr>
</tbody>
</table>

**VI. Product Availability**

Chewable tablet: 500 mg iron

**VII. References**


---

**Reviews, Revisions, and Approvals**

<table>
<thead>
<tr>
<th>Date</th>
<th>P&amp;T Approval Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q18 annual review: added trial duration of 4 weeks per guideline recommendations for monitoring frequency; added additional requirement for trial of generic Fosrenol or generic Renvela; provided an additional measure of positive response to therapy; references reviewed and updated</td>
<td>11.16.17 02.18</td>
</tr>
<tr>
<td>1Q 2019 annual review: added age requirement; no significant changes; references reviewed and updated.</td>
<td>10.30.18 02.18</td>
</tr>
<tr>
<td>1Q 2020 annual review: no significant changes; references reviewed and updated.</td>
<td>11.26.19 02.20</td>
</tr>
<tr>
<td>1Q 2021 annual review: no significant changes; moved examples of positive response from appendix to criterion 2 in section IIA; references to HIM.PHAR.21 revised to HIM.PA.154; references reviewed and updated.</td>
<td>11.06.20 02.21</td>
</tr>
</tbody>
</table>

**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.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy,
contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom the Health Plan has no control or right of control. Providers are not agents or employees of the Health Plan.

This clinical policy is the property of the Health Plan. Unauthorized copying, use, and distribution of this clinical policy or any information contained herein are strictly prohibited. Providers, members and their representatives are bound to the terms and conditions expressed herein through the terms of their contracts. Where no such contract exists, providers, members and their representatives agree to be bound by such terms and conditions by providing services to members and/or submitting claims for payment for such services.

©2017 Centene Corporation. All rights reserved. All materials are exclusively owned by Centene Corporation and are protected by United States copyright law and international copyright law. No part of this publication may be reproduced, copied, modified, distributed, displayed, stored in a retrieval system, transmitted in any form or by any means, or otherwise published without the prior written permission of Centene Corporation. You may not alter or remove any trademark, copyright or other notice contained herein. Centene® and Centene Corporation® are registered trademarks exclusively owned by Centene Corporation.