

Prior Authorization DRUG Guidelines

LEUCOVORIN (calcium folinate)

Effective Date: 7/24/12 Date Developed: 7/3/12 by Albert Reeves MD Last Approval Date: 1/26/16, 1/24/17, 1/23/18, 1/22/19, 2/18/20, 2/1/22, 1/31/23, 2/13/24, 2/18/25

Calcium folinate is a reduced form of folic acid and supplies the necessary cofactor blocked by methotrexate. It actively competes with methotrexate for transport sites, displaces methotrexate from intracellular binding sites, and restores active folate stores required for DNA/RNA synthesis. When administered with pyrimethamine for the treatment of opportunistic infections, leucovorin reduces the risk for hematologic toxicity

Pre-Authorization Criteria:

- **Colorectal cancer, advanced:** Injection: Palliative treatment of advanced colorectal cancer to prolong survival (in combination with fluorouracil).
- **Megaloblastic anemia:** Injection: Treatment of megaloblastic anemias due to folic acid deficiency (when oral therapy is not feasible).

Methotrexate toxicity:

- Injection: Rescue agent after high-dose methotrexate treatment in osteosarcoma and to diminish the toxicity and counteract the effects of impaired methotrexate elimination and of inadvertent overdosage of folic acid antagonists.
- Oral: Rescue agent to diminish toxicity and counteract effects of impaired methotrexate elimination and inadvertent overdoses of folic acid antagonists.

Off-Label use (Adult)

Acute lymphocytic leukemia; Bladder cancer (neoadjuvant treatment); Dermatomyositis/polymyositis; Esophageal cancer (advanced or metastatic); Gastric cancer (advanced or metastatic); Gestational trophoblastic neoplasia (high risk); Graft-vs-host disease, acute (prophylaxis); Granulomatosis with polyangiitis (Wegener granulomatosis) and microscopic polyangiitis (maintenance therapy after remission induction); Hepatobiliary cancers (advanced); Methanol toxicity (adjunctive cofactor therapy); Non-Hodgkin lymphoma; Nonleukemic meningeal cancer; Pancreatic cancer (advanced or metastatic); Pancreatic cancer, potentially curable, adjuvant therapy; Prevention of pyrimethamine hematologic toxicity in patients with HIV; Primary CNS lymphoma (newly diagnosed); Tubal ectopic pregnancy

Note:

VCHCP requires that CALCIUM FOLINATE be prescribed by an Oncologist, Hematologist, Rheumatologist or Infectious Disease Specialists.

Note: Folinic acid is an error prone synonym and should not be used (may be confused with folic acid)

Dosing: Adult

Refer to updated product literature for dosing regimens relevant to the disease process being treated.

Precautions:

- Combination of leucovorin and sulfamethoxazole-trimethoprim for the acute treatment of PCP in patients with HIV infection has been reported to cause increased rates of treatment failure.
 - Never administer leucovorin intrathecally.

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Revision History:

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Revision Date	Content Revised (Yes/No)	Contributors	Review/Revision Notes
1/24/17	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
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2/1/22	No	Howard Taekman, MD; Robert Sterling, MD	Annual review
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2/18/25	Yes	Howard Taekman, MD; Robert Sterling, MD	Added "Note: Folinic acid is an error prone synonym and should not be used (may be confused with folic acid). "Updated dosing and precaution sections