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 Last P&T Approval/Version: 7/31/2024
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 Policy Number: C6662-A

Nplate (romiplostim)

PRODUCTS AFFECTED

Nplate (romiplostim)

COVERAGE POLICY

Coverage for services, procedures, medical devices, and drugs are dependent upon benefit eligibility as outlined in the member's specific benefit plan. This Coverage Guideline must be read in its entirety to determine coverage eligibility, if any.

This Coverage Guideline provides information related to coverage determinations only and does not imply that a service or treatment is clinically appropriate or inappropriate. The provider and the member are responsible for all decisions regarding the appropriateness of care. Providers should provide Molina Healthcare complete medical rationale when requesting any exceptions to these guidelines.

Documentation Requirements:

Molina Healthcare reserves the right to require that additional documentation be made available as part of its coverage determination; quality improvement; and fraud; waste and abuse prevention processes. Documentation required may include, but is not limited to, patient records, test results and credentials of the provider ordering or performing a drug or service. Molina Healthcare may deny reimbursement or take additional appropriate action if the documentation provided does not support the initial determination that the drugs or services were medically necessary, not investigational or experimental, and otherwise within the scope of benefits afforded to the member, and/or the documentation demonstrates a pattern of billing or other practice that is inappropriate or excessive.

DIAGNOSIS:

Chronic immune thrombocytopenia (ITP), Hematopoietic syndrome of acute radiation syndrome

REQUIRED MEDICAL INFORMATION:

This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. If a drug within this policy receives an updated FDA label within the last 180 days, medical necessity for the member will be reviewed using the updated FDA label information along with state and federal requirements, benefit being administered and formulary preferencing. Coverage will be determined on a case-by-case basis until the criteria can be updated through Molina Healthcare, Inc. clinical governance. Additional information may be required on a case-by-case basis to allow for adequate review. When the requested drug product for coverage is dosed by weight, body surface area or other member specific measurement, this data element is required as part of the medical necessity review. The Pharmacy and Therapeutics Committee has determined that the drug benefit shall be a mandatory generic and that generic drugs will be dispensed whenever available.

A. CHRONIC IMMUNE THROMBOCYTOPENIA (ITP):

1. Documented diagnosis of chronic immune thrombocytopenia (ITP)
AND
2. Documentation of ONE of the following [DOCUMENTATION REQUIRED]:

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a) Platelet count less than $20 \times 10^9/L$ (20,000/mm³)

OR

b) Platelet count less than $30 \times 10^9/L$ with ITP whose degree of thrombocytopenia and clinical condition(s) increase the risk of bleeding (e.g., hypertension, renal insufficiency, concomitant antiplatelet agents or anticoagulant medications, alcoholism, infections, undergoing a medical or dental procedure with blood loss anticipation, recent surgery, head trauma)

AND

3. Documented failure, serious side effects, or contraindication to at least ONE course of the following ITP treatments:

a) Corticosteroids (i.e., prednisone, methylprednisolone, dexamethasone) at immunosuppressive doses (See Appendix)

OR

b) Intravenous immune globulin (IVIG),

OR

c) Immunosuppressive therapy (i.e., cyclosporine, mycophenolate mofetil, sirolimus)

OR

d) Has had splenectomy or is not a surgery candidate

AND

4. Prescriber attests Nplate (romiplostim) is NOT being used concurrently with thrombopoietic agent or spleen tyrosine kinase inhibitor [e.g., Promacta (eltrombopag), Mulpleta (lusutrombopag) or Tavalisse (fostamatinib)]

AND

5. Prescriber attests or clinical reviewer has found the medication is NOT being used as an attempt to normalize platelet count

B. HEMATOPOIETIC SYNDROME OF ACUTE RADIATION SYNDROME (HSARS):

1. Documentation that member has had confirmed or suspected exposure to radiation levels greater than 2 Grays (Gy) [DOCUMENTATION REQUIRED]

CONTINUATION OF THERAPY:

A. CHRONIC IMMUNE THROMBOCYTOPENIA (ITP):

1. Documentation of positive clinical response to therapy as evidenced by increase in platelet count to a level sufficient to avoid clinically important bleeding OR increase or achievement of platelet count to $50 \times 10^9/L$ or greater [DOCUMENTATION REQUIRED]

NOTE: If the member's platelets do NOT increase enough to avoid clinically significant bleeding after 4 weeks on the maximum dose [10 mcg/kg/week], Nplate will be recommended for denial.

AND

2. Prescriber attests member still requires romiplostim (Nplate) to maintain a platelet count sufficient to avoid clinically important bleeding

AND

3. Adherence to therapy at least 85% of the time as verified by Prescriber and member's medication fill history (review Rx history for compliance)

AND

4. Prescriber attests or clinical reviewer has found no evidence of intolerable adverse effects or drug toxicity

B. HEMATOPOIETIC SYNDROME OF ACUTE RADIATION SYNDROME (HSARS)

1. N/A; new authorization required.

DURATION OF APPROVAL:

CITP: Initial authorization: 3 months, Continuation of therapy: 12 months

HSARS: Initial authorization: 1 month, Continuation of therapy: N/A

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MOLINA REVIEWER NOTE: For Texas Marketplace, please see Appendix.

PRESCRIBER REQUIREMENTS:

CHRONIC IMMUNE THROMBOCYTOPENIA: Prescribed by, or in consultation with a board-certified hematologist or physician specializing in the treatment of thrombocytopenia in patients with chronic immune thrombocytopenic (ITP).

HEMATOPOIETIC SYNDROME OF ACUTE RADIATION SYNDROME (HSARS): Prescribed by, or in consultation with a board-certified hematologist or oncologist.

[If prescribed in consultation, consultation notes must be submitted with initial request and reauthorization requests]

AGE RESTRICTIONS:

ITP: 1 year * of age or older (*pediatric patients with ITP for at least 6 months)

HSARS: No restriction

QUANTITY:

ITP: Dosing not to exceed 10 mcg/kg/week – Only a 4-week supply may be dispensed per fill

HSARS: 10 mcg/kg administered once

Maximum Quantity Limits –10 mcg/kg/week

PLACE OF ADMINISTRATION:

The recommendation is that injectable medications in this policy will be for pharmacy or medical benefit coverage and the subcutaneous injectable products administered in a place of service that is a non-hospital facility-based location as per the Molina Health Care Site of Care program.

Note: Site of Care Utilization Management Policy applies for Nplate. For information on site of care, see [Specialty Medication Administration Site of Care Coverage Criteria \(molinamarketplace.com\)](https://www.molinamarketplace.com/specialty-medication-administration-site-of-care-coverage-criteria)

DRUG INFORMATION

ROUTE OF ADMINISTRATION:

Subcutaneous

DRUG CLASS:

Thrombopoietin (TPO) Receptor Agonists

FDA-APPROVED USES:

Indicated for the treatment of thrombocytopenia in adult patients with chronic immune thrombocytopenia (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy.

Indicated for the treatment of thrombocytopenia in pediatric patients 1 year of age and older with ITP for at least 6 months who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy.

Indicated to increase survival in adults and in pediatric patients (including term neonates) acutely exposed to myelosuppressive doses of radiation (Hematopoietic Syndrome of Acute Radiation Syndrome [HS-ARS]).

Limitations of Use: Nplate is not indicated for the treatment of thrombocytopenia due to myelodysplastic syndrome (MDS) or any cause of thrombocytopenia other than ITP. Nplate should be used only in patients with ITP whose degree of thrombocytopenia and clinical condition increases the risk for bleeding. Nplate should not be used in an attempt to normalize platelet counts.

COMPENDIAL APPROVED OFF-LABELED USES:

Chemotherapy-induced thrombocytopenia (CIT) (NCCN Hematopoietic Growth Factors)

APPENDIX

APPENDIX:

Reserved for State specific information. Information includes, but is not limited to, State contract language, Medicaid criteria and other mandated criteria.

State Specific Information

State Marketplace

Texas (Source: [Texas Statutes, Insurance Code](#))

“Sec. 1369.654. PROHIBITION ON MULTIPLE PRIOR AUTHORIZATIONS.

(a) A health benefit plan issuer that provides prescription drug benefits *may not require an enrollee to receive more than one prior authorization annually* of the prescription drug benefit for a *prescription drug prescribed to treat an autoimmune disease, hemophilia, or Von Willebrand disease.*

(b) This section does not apply to:

- (1) opioids, benzodiazepines, barbiturates, or carisoprodol;
- (2) prescription drugs that have a typical treatment period of less than 12 months;
- (3) drugs that:
 - (A) have a boxed warning assigned by the United States Food and Drug Administration for use; and
 - (B) must have specific provider assessment; or
- (4) the use of a drug approved for use by the United States Food and Drug Administration in a manner other than the approved use.”

APPENDIX 1:

Systemic corticosteroid immunosuppressive doses include:

- ≥ 14 days therapy with doses ≥ 80 mg per day of prednisone.
- Equivalent doses include
- ≥ 400 mg/day cortisone
- 320mg/day hydrocortisone
- 80mg/day prednisolone
- 64mg/day methylprednisolone
- 12mg/day dexamethasone

BACKGROUND AND OTHER CONSIDERATIONS

BACKGROUND:

Nplate, a thrombopoietin receptor agonist, is indicated for the treatment of thrombocytopenia in patients with chronic immune thrombocytopenia purpura (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy. Nplate is also indicated to increase survival in adults and in pediatric patients (including term neonates) acutely exposed to myelosuppressive doses of radiation (Hematopoietic Syndrome of Acute Radiation Syndrome [HS-ARS]). Some limitations of use are that Nplate is not indicated for the treatment of thrombocytopenia due to myelodysplastic syndrome (MDS) or any cause of thrombocytopenia other than chronic ITP. Nplate should only be utilized in patients with ITP whose degree of thrombocytopenia and clinical condition increase the risk for bleeding. Nplate should not be used in an attempt to normalize platelet counts. The initial Nplate dose is 1 mcg/kg once weekly as a subcutaneous (SC) injection by a healthcare provider. The dose should be adjusted weekly by increments of 1 mcg/kg to achieve and maintain a platelet count $\geq 50 \times 10^9$ /L as needed to reduce the bleeding risk. Do not exceed a maximum weekly dose of 10 mcg/kg. Do not dose if the platelet count is $>400 \times 10^9$ /L. Discontinue Nplate if the platelet count does not increase after 4 weeks at the maximum dose. Nplate

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contains a Warning that in clinical trials with Nplate progression from MDS to acute myelogenous leukemia (AML) has been observed. Also, there is a Warning that thrombotic/thromboembolic complications may occur due to increases in platelet counts with Nplate therapy.

Nplate is indicated for the treatment of thrombocytopenia in patients with chronic ITP who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy. The safety and efficacy of Nplate in pediatric patients (aged < 18 years) have not been established. The pivotal trials with Nplate involved patients who had tried at least one primary ITP therapy (e.g., corticosteroids, immunoglobulins); approximately 50% of patients had undergone splenectomy. Evidence-based practice guidelines for immune thrombocytopenia from ASH (published in 2011), recommend corticosteroids or IVIG as first-line treatment for adults; splenectomy is recommended for patients who have failed corticosteroid therapy. Thrombopoietin receptor agonists are recommended for adults at risk of bleeding who relapse following splenectomy or who have a contraindication to splenectomy and who have failed at least one other therapy. At this time recommendations for use of thrombopoietin receptor agonists in children with ITP cannot be made; clinical trials have been initiated. Trials with Nplate in children are evolving. Efficacy studies of Nplate could not be conducted in humans with acute radiation syndrome. Approval for this indication was based on efficacy studies conducted in animals, Nplate's effect on platelet count in healthy human volunteers and on data supporting Nplate's effect on thrombocytopenia in patients with ITP and insufficient response to corticosteroids, immunoglobulins, or splenectomy. The 10 mcg/kg dosing regimen for humans is based on population modeling and simulation analyses. For pediatric patients (including term neonates), extrapolation was based on data supporting Nplate's effect on thrombocytopenia in patients with ITP and an insufficient response to corticosteroids, immunoglobulins, or splenectomy.

CONTRAINDICATIONS/EXCLUSIONS/DISCONTINUATION:

All other uses of Nplate (romiplostim) are considered experimental/investigational and therefore, will follow Molina's Off- Label policy. Contraindications to Nplate (romiplostim) include: No labeled contraindications.

OTHER SPECIAL CONSIDERATIONS:

Discontinue Nplate if the platelet count does not increase to a level sufficient to avoid clinically important bleeding after 4 weeks at the highest weekly dose of 10 mcg/kg.

Progression from myelodysplastic syndromes (MDS) to acute myelogenous leukemia (AML) has been observed in adult clinical trials with Nplate. Hyporesponsiveness or failure to maintain a platelet response with Nplate should prompt a search for causative factors, including neutralizing antibodies to Nplate.

CODING/BILLING INFORMATION

Note: 1) This list of codes may not be all-inclusive. 2) Deleted codes and codes which are not effective at the time the service is rendered may not be eligible for reimbursement

| HCPCS CODE | DESCRIPTION |
|------------|---------------------------------------|
| J2796 | Injection, romiplostim, 10 micrograms |

AVAILABLE DOSAGE FORMS:

Nplate SOLR 125MCG single-dose vial
Nplate SOLR 250MCG single-dose vial
Nplate SOLR 500MCG single-dose vial

REFERENCES

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7. Tiu RV, Sekeres MA. The role of AMG-531 in the treatment of thrombocytopenia in idiopathic thrombocytopenic purpura and myelodysplastic syndromes. *Expert Opinion on Biological Therapy*. 2008; 8(7); 1021-1030.
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| SUMMARY OF REVIEW/REVISIONS | DATE |
|---|---------|
| REVISION- Notable revisions: Required Medical Information Duration of Approval Prescriber Requirements Place of Administration Compendial Approved Off- Labeled Uses Appendix References | Q3 2024 |
| REVISION- Notable revisions: Required Medical Information Continuation of Therapy Prescriber Requirements Age Restrictions Place of Administration Appendix Contraindications/Exclusions/Discontinuation Other Special Considerations Available Dosage Forms References | Q3 2023 |

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| REVISION- Notable revisions: Required Medical Information Continuation of Therapy Duration of Approval Contraindications/Exclusions/Discontinuation References | Q3 2022 |
| Q2 2022 Established tracking in new format | Historical changes on file |