

## **Clinical Policy: Avatrombopag (Doptelet)**

Reference Number: CP.PHAR.130

Effective Date: 12.01.18

Last Review Date: 11.20

Line of Business: Commercial, HIM, Medicaid

[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

### **Description**

Avatrombopag (Doptelet<sup>®</sup>) is a thrombopoietin (TPO) receptor agonist.

### **FDA Approved Indication(s)**

Doptelet is indicated for the treatment of:

- Thrombocytopenia in adult patients with chronic liver disease who are scheduled to undergo a procedure.
- Thrombocytopenia in adult patients with chronic immune thrombocytopenia (ITP) who have had an insufficient response to a previous treatment.

### **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<sup>®</sup> that Doptelet is **medically necessary** when the following criteria are met:

#### **I. Initial Approval Criteria**

##### **A. Thrombocytopenia with Chronic Liver Disease (must meet all):**

1. Diagnosis of chronic liver disease;
2. Prescribed by or in consultation with a hematologist, hepatologist, or gastroenterologist;
3. Age  $\geq$  18 years;
4. Recent (within the past 14 days) platelet count is  $< 50 \times 10^9/L$ ;
5. For members with platelet count  $< 40 \times 10^9/L$ , failure of Mulpleta<sup>®</sup> unless contraindicated or clinically significant adverse effects are experienced;  
*\*Prior authorization may be required for Mulpleta*
6. Member is scheduled to undergo a medical or dental procedure within the next 30 days;
7. Dose does not exceed (a or b):
  - a. Platelet count  $< 40 \times 10^9/L$ : 60 mg (3 tablets) per day for a total of 5 days;
  - b. Platelet count of 40 to  $< 50 \times 10^9/L$ : 40 mg (2 tablets) per day for a total of 5 days.

**Approval duration: 14 days (no more than 5 total days of treatment)**

##### **B. Chronic Immune Thrombocytopenia (must meet all):**

1. Diagnosis of chronic ITP;
2. Prescribed by or in consultation with a hematologist;

3. Age  $\geq$  18 years;
4. Current (within 30 days) platelet count  $<$  30,000/ $\mu$ L or member has an active bleed;
5. Member meets one of the following (a or b):
  - a. Failure of a systemic corticosteroid;
  - b. Member has intolerance or contraindication to systemic corticosteroids, and failure of an immune globulin, unless contraindicated or clinically significant adverse effects are experienced (*see Appendix B*);  
*\*Prior authorization may be required for immune globulins*
6. Doptelet is not prescribed concurrently with rituximab or another thrombopoietin receptor agonist (e.g., Promacta<sup>®</sup>, Nplate<sup>®</sup>);
7. Dose does not exceed 40 mg (2 tablets) per day.

**Approval duration: 6 months**

**C. 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.PHAR.21 for health insurance marketplace, and CP.PMN.53 for Medicaid.

**II. Continued Therapy**

**A. Thrombocytopenia with Chronic Liver Disease**

1. Re-authorization is not permitted. Members must meet the initial approval criteria.

**Approval duration: Not applicable**

**B. Chronic Immune Thrombocytopenia (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., increase in platelet count from baseline, reduction in bleeding events);
3. Doptelet is not prescribed concurrently with rituximab or another thrombopoietin receptor agonist (e.g., Promacta, Nplate);
4. If request is for a dose increase, new dose does not exceed 40 mg (2 tablets) per day.

**Approval duration: 12 months**

**C. 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.PHAR.21 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.PHAR.21 for health insurance marketplace, and CP.PMN.53 for Medicaid or evidence of coverage documents.

**IV. Appendices/General Information**

*Appendix A: Abbreviation/Acronym Key*

ASH: American Society of Hematology

FDA: Food and Drug Administration

ITP: immune thrombocytopenia

TPO: thrombopoietin

*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.*

<b>Drug Name</b>	<b>Dosing Regimen</b>	<b>Dose Limit/ Maximum Dose</b>
<b>Thrombocytopenia with chronic liver disease</b>		
Mulpleta (lusutrombopag)	3 mg PO QD for a total of 7 days	3 mg/day
<b>Chronic immune thrombocytopenia*</b>		
<b>Corticosteroids</b>		
dexamethasone	Oral dosage: Initially, 0.75 to 9 mg/day PO in 2 to 4 divided doses. Adjust according to patient response  Intramuscular or intravenous dosage: Initially, 0.5 to 9 mg/day IV or IM in 2 to 4 divided doses. Adjust according to patient response	Highly variable depending on the nature and severity of the disease, route of treatment, and on patient response
methylprednisolone	10-40 mg IV every 4-6 hours for up to 72 hours	
prednisone	Initially, 1 mg/kg PO QD; however, lower doses of 5 mg/day to 10 mg/day PO are preferable for long-term treatment	
<b>Immune globulins</b>		
Immune globulins (e.g., Carimune <sup>®</sup> NF, Flebogamma <sup>®</sup> DIF 10%, Gammagard <sup>®</sup> S/D, Gammaked <sup>™</sup> , Gamunex <sup>®</sup> -C, Gammaplex <sup>®</sup> , Octagam <sup>®</sup> 10%, Privigen <sup>®</sup> , etc.)	Refer to prescribing information	Refer to prescribing information

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

*\*Examples of corticosteroids/immunosuppressive agents provided are not all inclusive*

*Appendix C: Contraindications/Boxed Warnings*  
None reported

*Appendix D: General Information*

- Examples of chronic liver disease include: alcoholic liver disease, chronic viral hepatitis (e.g., hepatitis B and C), and nonalcoholic steatohepatitis.
- Definitions of acute v. chronic ITP:
  - Per an International Working Group consensus panel of ITP experts, ITP is defined as newly diagnosed (diagnosis to 3 months), persistent (3 to 12 months from diagnosis), or chronic (lasting for more than 12 months). Although not formally validated, these definitions are supported and used by the American Society of Hematology (ASH).
- Per the 2019 ASH guidelines, response to treatment was defined by the following:
  - A response is defined as a platelet count  $\geq 30,000/\mu\text{L}$  and a greater than 2-fold increase in platelet count from baseline measured on 2 occasions  $> 7$  days apart and the absence of bleeding.
  - A failure would be defined as a platelet count  $< 30,000/\mu\text{L}$  or a less than 2-fold increase in platelet count from baseline or the presence of bleeding. Platelet count must be measured on 2 occasions more than a day apart.

**V. Dosage and Administration**

Indication	Dosing Regimen	Maximum Dose
Thrombocytopenia with chronic liver disease	Platelet count $< 40 \times 10^9/\text{L}$ : 60 mg PO QD for a total of 5 days  Platelet count of 40 to $< 50 \times 10^9/\text{L}$ : 40 mg PO QD for a total of 5 days	See regimen
Chronic ITP	Initiate at 20 mg PO QD and titrate to maintain platelet count $\geq 50 \times 10^9/\text{L}$	40 mg/day

**VI. Product Availability**

Tablet: 20 mg

**VII. References**

1. Doptelet Prescribing Information. Durham, NC: Dova Pharmaceuticals, Inc.; June 2019. Available at: <https://www.doptelet.com>. Accessed August 4, 2020.
2. Kumar A, Mhaskar R, Grossman BJ, et al on behalf of the AABB (American Association of Blood Banks) Platelet Transfusion Guidelines Panel. Platelet transfusion: a systematic review of the clinical evidence. *Transfusion*. 2015; 55: 1116-1127.
3. Hayashi H, Beppu T, Shirabe K, Maehara Y, and Baba H. Management of thrombocytopenia due to liver cirrhosis: a review. *World J Gastroenterol*. 2014; 20(10): 2595-2605.
4. Neunert C, Terrell DR, Arnold DM, et al. American Society of Hematology 2019 guidelines for immune thrombocytopenia. *Blood Adv*. 2019; (3)23:3829-3866.
5. Clinical Pharmacology [database online]. Tampa, FL: Gold Standard, Inc.; 2018. Available at: <http://www.clinicalpharmacology-ip.com/>.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created	07.17.18	11.18
Added HIM line of business; added requirement for trial of Mulpleta if platelet count is < 40 x 10 <sup>9</sup> /L per SDC and existing clinical guidance.	03.04.19	
4Q 2019 annual review: criteria added for new FDA indication: chronic immune thrombocytopenia; references reviewed and updated.	08.13.19	11.19
For chronic immune thrombocytopenia: added requirement that Doptelet is not prescribed concurrently with rituximab or other thrombopoietin receptor agonists for ITP; revised systemic corticosteroid <i>and</i> immune globulin trial to tiered re-direction with immune globulin trial only if corticosteroid cannot be used per ASH 2011 guideline and specialist feedback.	05.13.20	08.20
4Q 2020 annual review: no significant changes; references reviewed and updated.	08.01.20	11.20

**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.

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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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