Clinical Policy: Mirikizumab-mrkz (Omvoh)

Reference Number: CP.PHAR.662
Effective Date: 03.01.23
Last Review Date: 11.25
Line of Business: Medicaid

Coding Implications
Revision Log

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

Description

Mirikizumab-mrkz (Omvoh™) is an interleukin-23 antagonist.

FDA Approved Indication(s)

Omvoh is indicated for the treatment of:

- Moderately to severely active ulcerative colitis (UC) in adults
- Moderately to severely active Crohn's disease (CD) in adults

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 Omvoh is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Crohn's Disease (must meet all)**:**

1. Diagnosis of CD;
2. Prescribed by or in consultation with a gastroenterologist;
3. Age ≥ 18 years;
4. Member meets one of the following (a or b):
   a. Failure of a ≥ 3 consecutive month trial of at least ONE immunomodulator (e.g., azathioprine, 6-mercaptopurine [6-MP], methotrexate [MTX]) at up to maximally indicated doses, unless clinically significant adverse effects are experienced, all are contraindicated, or previously failed a biologic agent for CD;
   b. Medical justification supports inability to use immunomodulators (*see Appendix D*);
5. Member meets ONE of the following, unless contraindicated or clinically significant adverse effects are experienced (a or b, *see Appendix D*):
   a. Failure of a ≥ 3 consecutive month trial of one adalimumab* product (e.g., *Hadlima, Simlandi, Yusimry, adalimumab-aaty, adalimumab-adaz, adalimumab-adbm, and adalimumab-fkjp are preferred*);
   b. History of failure of two TNF blockers;
   **Prior authorization may be required for adalimumab products*
6. Failure of a ≥ 3 consecutive month trial of one ustekinumab product (e.g., *Otulfi®, Pyzchiva® (branded), Selarsdi™, Steqeyma®, Yesintek™ are preferred*), unless clinically significant adverse effects are experienced or all are contraindicated;
   **Prior authorization may be required for ustekinumab products*

7. Member does not have combination use with biological disease-modifying antirheumatic drugs or Janus kinase inhibitors (*see Section III: Diagnoses/Indications for which coverage is NOT authorized*);
8. Dose does not exceed both of the following (a and b):
   a. Initial (IV): 900 mg at Weeks 0, 4, and 8;
   b. Maintenance (SC): 300 mg at Week 12 and every 4 weeks.

Approval duration: 12 months

B. Ulcerative Colitis (must meet all)**:**

1. Diagnosis of UC;
2. Prescribed by or in consultation with a gastroenterologist;
3. Age ≥ 18 years;
4. Documentation of a Mayo Score ≥ 6, modified Mayo Score ≥ 5, or Mayo Endoscopic Score ≥ 2 (*see Appendix E*);
5. Failure of an 8-week trial of systemic corticosteroids, unless contraindicated, clinically significant adverse effects are experienced, or previously failed a biologic agent for UC;
6. Failure of one of the following, used for ≥ 3 consecutive months, unless clinically significant adverse effects are experienced or all are contraindicated (a or b):
   a. One adalimumab product (e.g., *Hadlima, Simlandi, Yusimry, adalimumab-aaty, adalimumab-adaz, adalimumab-adbm, and adalimumab-fkjp are preferred*), unless the member has had a history of failure of two TNF blockers;
   b. One ustekinumab product (e.g., *Otulfi®, Pyzchiva® (branded), Selarsdi™, Steqeyma®, Yesintek™ are preferred*);

   **Prior authorization may be required for adalimumab products and ustekinumab products*
7. Member does not have combination use with biological disease-modifying antirheumatic drugs or Janus kinase inhibitors (*see Section III: Diagnoses/Indications for which coverage is NOT authorized*);
8. Dose does not exceed both of the following (a and b):
   a. Initial (IV): 300 mg at Weeks 0, 4, and 8;
   b. Maintenance (SC): 200 mg at Week 12 and every 4 weeks.

Approval duration: 12 months

C. Other diagnoses/indications (must meet 1 or 2)**:**

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
   a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.PMN.255 for Medicaid; or
   b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.PMN.16 for Medicaid; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND

criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: CP.PMN.53 for Medicaid.

II. Continued Therapy

A. All Indications in Section I (must meet all)**:**

1. Member meets one of the following (a or b):
   a. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
   b. Member is currently receiving medication and is enrolled in a state and product with continuity of care regulations (*refer to state specific addendums for CC.PHARM.03A and CC.PHARM.03B)*;
2. Member is responding positively to therapy;
3. Member does not have combination use with biological disease-modifying antirheumatic drugs or Janus kinase inhibitors (*see Section III: Diagnoses/Indications for which coverage is NOT authorized*);
4. If request is for a dose increase, new dose does not exceed one of the following (a or b):
   a. CD: 300 mg every 4 weeks;
   b. UC: 200 mg every 4 weeks.

Approval duration: 12 months

B. Other diagnoses/indications (must meet 1 or 2)**:**

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
   a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.PMN.255 for Medicaid; or
   b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.PMN.16 for Medicaid; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: 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.PMN.53 for Medicaid or evidence of coverage documents;

B. Combination use with biological disease-modifying antirheumatic drugs (bDMARDs) or potent immunosuppressants, including but not limited to any tumor necrosis factor (TNF) antagonists [e.g., Cimzia®, Enbrel®, Humira® and its biosimilars, Remicade® and its biosimilars, Simponi®], interleukin agents [e.g., Actemra® (IL-6RA) and its biosimilars, Arcalyst® (IL-1 blocker), Bimzelx® (IL-17A and F antagonist), Cosentyx® (IL-17A inhibitor), Ilaris® (IL-1 blocker), Ilumya™ (IL-23 inhibitor), Kevzara® (IL-6RA),

Kineret® (IL-1RA), Omvoh™ (IL-23 antagonist), Siliq™ (IL-17RA), Skyrizi™ (IL-23 inhibitor), Spevigo® (IL-36 antagonist), Stelara® (IL-12/23 inhibitor) and its biosimilars, Taltz® (IL-17A inhibitor), Tremfya® (IL-23 inhibitor)], Janus kinase inhibitors (JAKi) [e.g., Cibinqo™, Olumiant™, Rinvoq™, Xeljanz®/Xeljanz® XR,], anti-CD20 monoclonal antibodies [Rituxan® and its biosimilars], selective co-stimulation modulators [Orencia®], integrin receptor antagonists [Entyvio®], tyrosine kinase 2 inhibitors [Sotyktu™], and sphingosine 1-phosphate receptor modulator [Velsipity™] because of the additive immunosuppression, increased risk of neutropenia, as well as increased risk of serious infections.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

CD: Crohn's disease
DMARD: disease-modifying antirheumatic drug
FDA: Food and Drug Administration
TNF: tumor necrosis factor
UC: ulcerative colitis

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.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
azathioprine (Azasan®, Imuran®)	**CD*** 1.5 – 2.5 mg/kg/day PO	2.5 mg/kg/day
corticosteroids	**CD*** prednisone 40 mg – 60 mg PO QD for 1 to 2 weeks, then taper daily dose by 5 mg weekly until 20 mg PO QD, and then continue with 2.5 – 5 mg decrements weekly or IV 50 – 100 mg Q6H for 1 week budesonide (Entocort EC®) 6 – 9 mg PO QD **UC** Prednisone 40 mg – 60 mg PO QD, then taper dose by 5 to 10 mg/week budesonide (Uceris®) 9 mg PO QAM for up to 8 weeks	Varies
6-mercaptopurine (Purixan®)	**CD*** 50 mg PO QD or 0.75 – 1.5 mg/kg/day PO	1.5 mg/kg/day
methotrexate (Trexall®, Otrexup™, Rasuvo®, RediTrex®, Rheumatrex®, Jylamvo®)	**CD*** 15 – 25 mg/week IM or SC	30 mg/week

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Pentasa® (mesalamine)	**CD** 1,000 mg PO QID	4 g/day
tacrolimus (Prograf®)	**CD*** 0.27 mg/kg/day PO in divided doses or 0.15 – 0.29 mg/kg/day PO	N/A
Hadlima (adalimumab-bwwd), Simlandi (adalimumab-ryvk), Yusimry (adalimumab-aqvh), adalimumab-aaty (Yuflyma®), adalimumab-adaz (Hyrimoz®), adalimumab-fkjp (Hulio®), adalimumab-adbm (Cyltezo®)	**CD, UC** Initial dose: 160 mg SC on Day 1, then 80 mg SC on Day 15 Maintenance dose: 40 mg SC every other week starting on Day 29	40 mg every other week
Otulfi® (ustekinumab-aauz), Pyzchiva® (ustekinumab-ttwe), Selarsdi™ (ustekinumab-aekn), Steqeyma® (ustekinumab-stba), Yesintek™ (ustekinumab-kfce)	**CD, UC** Weight based dosing IV at initial dose: Weight ≤ 55 kg: 260 mg Weight > 55 kg to 85 kg: 390 mg Weight > 85 kg: 520 mg Maintenance dose: 90 mg SC every 8 weeks	90 mg every 8 weeks

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.
**Off-label*

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): history of serious hypersensitivity reaction to mirikizumab-mrkz or any of the excipients
- Boxed warning(s): none reported

Appendix D: General Information

- The following may be considered for medical justification supporting inability to use an immunomodulator for CD:
  - Inability to induce short-term symptomatic remission with a 3-month trial of systemic glucocorticoids
  - High-risk factors for intestinal complications may include:
    - Initial extensive ileal, ileocolonic, or proximal GI involvement
    - Initial extensive perianal/severe rectal disease
    - Fistulizing disease (e.g., perianal, enterocutaneous, and rectovaginal fistulas)
    - Deep ulcerations

        - Penetrating, structuring or stenosis disease and/or phenotype
        - Intestinal obstruction or abscess
    - High risk factors for postoperative recurrence may include:
        - Less than 10 years duration between time of diagnosis and surgery
        - Disease location in the ileum and colon
        - Perianal fistula
        - Prior history of surgical resection
        - Use of corticosteroids prior to surgery
- TNF blockers:
    - Etanercept (Enbrel®), adalimumab (Humira®) and its biosimilars, infliximab (Remicade®) and its biosimilars (Avsola™, Renflexis™, Inflectra®, Zymfentra®), certolizumab pegol (Cimzia®), and golimumab (Simponi®, Simponi Aria®).

Appendix E: Mayo Score, Modified Mayo Score, or Mayo Endoscopic Score

- Mayo Score: evaluates ulcerative colitis stage, based on four parameters: stool frequency, rectal bleeding, endoscopic evaluation, and Physician's global assessment. Each parameter of the score ranges from zero (normal or inactive disease) to 3 (severe activity) with an overall score of 12.

Score	Decoding
0 – 2	Remission
3 – 5	Mild activity
6 – 10	Moderate activity
>10	Severe activity

- Modified Mayo Score: developed from the full Mayo score and evaluates ulcerative colitis stage, based on three parameters: stool frequency, rectal bleeding, and endoscopic evaluation. The modified Mayo Score gives a maximum overall score of 9. The FDA currently accepts the modified Mayo Score for the assessment of disease activity in pivotal UC clinical trials.
- Mayo Endoscopic Score: tool used to assess severity based on endoscopic findings during a colonoscopy and ranges from 0 to 3. A score of 2 or higher means there is moderate-to-severe inflammation.

Score	Decoding
0	Normal or inactive disease
1	Mild disease (erythema, decreased vascular pattern, mild friability)
2	Moderate disease (marked erythema, absent vascular pattern, moderate friability, erosions)
3	Severe disease (spontaneous bleeding, ulcerations)

V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
CD	Induction dose: 900 mg IV at Weeks 0, 4, and 8	300 mg/4 weeks (after loading doses)

Indication	Dosing Regimen	Maximum Dose
	Maintenance dose: 300 mg SC at Week 12, and every 4 weeks	
UC	Induction dose: 300 mg IV at Weeks 0, 4, and 8 Maintenance dose: 200 mg SC at Week 12, and every 4 weeks	200 mg/4 weeks (after loading doses)

VI. Product Availability

- Single-dose vial (for intravenous infusion): 300 mg/15 mL (20 mg/mL)
- Single-dose prefilled pen (for subcutaneous use): 100 mg/mL, 200 mg/2 mL
- Single-dose prefilled syringe (for subcutaneous use): 100 mg/mL, 200 mg/2 mL

VII. References

1. Omvoh Prescribing Information. Indianapolis, IN; Eli Lilly and Company; January 2025. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2025/761279s003lbl.pdf. Accessed February 6, 2025.
2. Feuerstein JD, Isaacs KL, Schneider Y, et al. AGA Clinical practice guidelines on the management of moderate to severe ulcerative colitis. Gastroenterology 2020;158:1450–1461. https://doi.org/10.1053/j.gastro.2020.01.006.
3. Rubin DT, Ananthakrishnan AN, Siegel CA, Sauer BG, Long MD. ACG Clinical Guideline: Ulcerative Colitis in Adults. Am J Gastroenterol. 2019 March;114(3):384-413. doi: 10.14309/ajg.0000000000000152.
4. Ulcerative Colitis: Clinical Trial Endpoints Guidance for Industry. Silver Spring, MD. Food and Drug Administration.; July 2016. Available at: https://www.fda.gov/files/drugs/published/Ulcerative-Colitis--Clinical-Trial-Endpoints-Guidance-for-Industry.pdf. Accessed February 3, 2025.
5. Naegeli AN, Hunter T, Dong Y, et al. Full, Partial, and Modified Permutations of the Mayo Score: Characterizing Clinical and Patient-Reported Outcomes in Ulcerative Colitis Patients. Crohns Colitis 360. 2021 Feb 23;3(1):otab007. doi: 10.1093/crocol/otab007. PMID: 36777063; PMCID: PMC9802037.
6. Singh S, Loftus EV Jr, Limketkai BN, et al. AGA Living Clinical Practice Guideline on Pharmacological Management of Moderate-to-Severe Ulcerative Colitis. Gastroenterology. 2024 Dec;167(7):1307-1343. doi: 10.1053/j.gastro.2024.10.001. PMID: 39572132.
7. Buchner AM, Farraye FA, Iacucci M. AGA Clinical Practice Update on Endoscopic Scoring Systems in Inflammatory Bowel Disease: Commentary. Clin Gastroenterol Hepatol. 2024 Nov;22(11):2188-2196. doi: 10.1016/j.cgh.2024.06.048. Epub 2024 Sep 20. PMID: 39297813.

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.

HCPCS Codes	Description
J2267	Injection, mirikizumab-mrkz, 1 mg

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created	12.06.23	02.24
Added new HCPCS code [C9168] and removed HCPCS codes [C9399, J3590].	02.19.24	
2Q 2024 annual review: added Zymfentra, Wezlana, Sotyktu, and Velsipity to section III.B; references reviewed and updated.	01.22.24	05.24
RT4: added new dosage form [single-dose prefilled syringe 100 mg/mL]. Added HCPCS code [J2267].	05.13.24	
Per June SDC, added Simlandi to listed examples of preferred adalimumab products. Per SDC, added unbranded adalimumab-aaty to listed examples of preferred adalimumab products.	07.23.24	08.24
2Q 2025 annual review: for initial criteria, added option for documentation of modified Mayo Score ≥ 5; removed redirection to preferred adalimumab products as adalimumab is not recommended due to low efficacy per 2024 AGA guidelines; revised redirection to Zeposia with bypass allowance stating member must use Zeposia unless member has had history of failure of biological disease-modifying antirheumatic drug or Janus kinase inhibitor as supported by 2024 AGA guidelines; for Appendix E, added supplemental information on modified Mayo Score; RT4: added newly approved Crohn's disease indication to criteria; added new dosage forms [single-dose prefilled pen 200 mg/2 mL and single-dose syringe 200 mg/2 mL]; updated section III.B with Spevigo and biosimilar verbiage; references reviewed and updated.	01.23.25	05.25
Per April SDC: for CD and UC, added criteria requiring use of one preferred Stelara biosimilar (Otulfi, Pyzchiva (branded), Selarsdi, Yesintek, and Steqeyma are preferred); for UC, removed criteria requiring use of preferred agent Zeposia; for UC, revised requirement to include option for step through preferred adalimumab product or preferred ustekinumab product.	04.23.25	06.25
For UC, added option for Mayo Endoscopic Score ≥ 2 to define moderate-to-severe UC; for CD and UC, added bypass of conventional therapies if a member has failed a biologic agent to clarify intention of not stepping back from biologic agent to conventional therapy. Extended initial approval durations to 12 months for chronic conditions.	09.04.25	11.25

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.

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.