CLINICAL POLICY

Ravulizumab-cwvz



Clinical Policy: Ravulizumab-cwvz (Ultomiris)

Reference Number: PA.CP.PHAR.415

Effective Date: 04/2019 Last Review Date: 07/2024

Description

Ravulizumab-cwvz (Ultomiris $^{\text{\tiny TM}}$) is a complement inhibitor.

FDA Approved Indication(s)

Ultomiris is indicated for the treatment of:

- Adult and pediatric patients one month of age and older with paroxysmal nocturnal hemoglobinuria (PNH)
- Adult and pediatric patients one month of age and older with atypical hemolytic uremic syndrome (aHUS) to inhibit complement-mediated thrombotic microangiopathy (TMA)
- Adult patients with generalized myasthenia gravis (gMG) who are anti-acetylcholine receptor (AChR) antibody-positive
- Adult patients with neuromyelitis optica spectrum disorder (NMOSD) who are antiaquaporin-4 (AQP4) antibody positive

Limitation(s) of use: Ultomiris is not indicated for the treatment of patients with Shiga toxin E. coli related hemolytic uremic syndrome (STEC-HUS).

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 PA Health & Wellness® that Ultomiris is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Paroxysmal Nocturnal Hemoglobinuria (must meet all):

- 1. Diagnosis of PNH;
- 2. Prescribed by or in consultation with a hematologist;
- 3. Age ≥ 1 month;
- 4. Flow cytometry shows detectable glycosylphosphatidylinositol (GPI)-deficient hematopoietic clones or ≥ 5% PNH cells;
- 5. Member meets one of the following (a or b):
 - a. History of ≥ 1 transfusion in the past 24 months and (i or ii):
 - i. Documentation of hemoglobin < 7 g/dL in members without anemia symptoms;
 - ii. Documentation of hemoglobin < 10 g/dL in members with anemia symptoms;
 - b. History of thrombosis;
- 6. Ultomiris is not prescribed concurrently with Bkemv[™], Empaveli[®] Fabhalta[®], or Soliris[®]:



- 7. Dose does not exceed the following (a, b, c or d):
 - a. Loading dose on Day 1:
 - i. Weight \geq 5 to < 10 kg: 600 mg;
 - ii. Weight \geq 10 to \leq 20 kg: 600 mg;
 - iii. Weight \geq 20 to \leq 30 kg: 900 mg;
 - iv. Weight > 30 to < 40 kg: 1,200 mg;
 - v. Weight ≥ 40 to < 60 kg: 2,400 mg;
 - vi. Weight \geq 60 to < 100 kg: 2,700 mg;
 - vii. Weight $\ge 100 \text{ kg}$: 3,000 mg;
 - b. If member is switching therapy from Soliris/Bkemv, administration of the loading dose should occur 2 weeks after the last Bkemv/Soliris infusion;
 - c. Maintenance dose (i or ii):
 - i. IV maintenance dose on Day 15 after IV Ultomiris loading dose (or starting 1 week after the last SC Ultomiris maintenance dose if switching from SC Ultomiris) and at the specified frequency thereafter:
 - 1) Weight \geq 5 to < 10 kg: 300 mg every 4 weeks;
 - 2) Weight \geq 10 to \leq 20 kg: 600 mg every 4 weeks;
 - 3) Weight \geq 20 to \leq 30 kg: 2,100 mg every 8 weeks;
 - 4) Weight \geq 30 to \leq 40 kg: 2,700 mg every 8 weeks;
 - 5) Weight \geq 40 to \leq 60 kg: 3,000 mg every 8 weeks;
 - 6) Weight \geq 60 to \leq 100 kg: 3,300 mg every 8 weeks;
 - 7) Weight \geq 100 kg: 3,600 mg every 8 weeks;
 - ii. SC maintenance dose on Day 15 after IV Ultomiris loading dose (or starting 8 weeks after the last IV Ultomiris maintenance dose if switching from IV Ultomiris) and at the specified frequency thereafter:
 - 1) Age \geq 18 years and weight \geq 40 kg: 490 mg every week;
 - d. If member has received plasma exchange (PE), plasmapheresis (PP), or intravenous immunoglobulin (IVIg), a supplemental dose of Ultomiris may be administered within 4 hours following each PE/PP intervention or IVIg cycle (*see section V*).

Approval duration: 6 months

B. Atypical Hemolytic Uremic Syndrome (must meet all):

- 1. Diagnosis of aHUS (i.e., complement-mediated HUS);
- 2. Prescribed by or in consultation with a hematologist or nephrologist;
- 3. Age ≥ 1 month;
- 4. Member has signs of TMA as evidenced by all of the following (a, b, and c):
 - a. Platelet count $\leq 150 \times 10^9 / L$;
 - b. Hemolysis such as an elevation in serum lactate dehydrogenase (LDH);
 - c. Serum creatinine above the upper limits of normal or member requires dialysis;
- 5. Documentation that member does not have either of the following:
 - a. A disintegrin and metalloproteinase with thombospondin type 1 motif, member 13 (ADAMTS13) deficiency;
 - b. STEC-HUS;
- 6. Ultomiris is not prescribed concurrently with Soliris or Bkemy;
- 7. Dose does not exceed the following (a, b, c, and d):



- a. IV loading dose on Day 1:
 - i. Weight \geq 5 to \leq 10 kg: 600 mg;
 - ii. Weight ≥ 10 to < 20 kg: 600 mg;
 - iii. Weight \geq 20 to \leq 30 kg: 900 mg;
 - iv. Weight \geq 30 to < 40 kg: 1,200 mg;
 - v. Weight $\ge 40 \text{ to} < 60 \text{ kg}$: 2,400 mg;
 - vi. Weight ≥ 60 to < 100 kg: 2,700 mg;
 - vii. Weight $\ge 100 \text{ kg}$: 3,000 mg;
- b. If member is switching therapy from Soliris/Bkemv, administration of the IV loading dose should occur at the time of the next scheduled Soliris/Bkemv dose;
- c. Maintenance dose (i or ii):
 - i. IV maintenance dose on Day 15 after IV Ultomiris loading dose s(or starting 1 week after the last SC Ultomiris maintenance dose if switching from SC Ultomiris) and at the specified frequency thereafter:
 - 1) Weight \geq 5 to \leq 10 kg: 300 mg every 4 weeks;
 - 2) Weight \geq 10 to \leq 20 kg: 600 mg every 4 weeks;
 - 3) Weight \geq 20 to < 30 kg: 2,100 mg every 8 weeks;
 - 4) Weight \geq 30 to \leq 40 kg: 2,700 mg every 8 weeks;
 - 5) Weight \geq 40 to \leq 60 kg: 3,000 mg every 8 weeks;
 - 6) Weight \geq 60 to < 100 kg: 3,300 mg every 8 weeks;
 - 7) Weight \geq 100 kg: 3,600 mg every 8 weeks;
 - ii. SC maintenance dose on Day 15 after IV Ultomiris loading dose (or starting 8 weeks after the last IV Ultomiris maintenance dose if switching from IV Ultomiris) and at the specified frequency thereafter:
 - 1) Age \geq 18 years and weight \geq 40 kg: 490 mg every week;
- d. If member has received PE, PP, or IVIg, a supplemental dose of Ultomiris may be administered within 4 hours following each PE/PP intervention or IVIg cycle (*see section V*).

Approval duration: 6 months

C. Generalized Myasthenia Gravis (must meet all):

- 1. Diagnosis of gMG;
- 2. Prescribed by or in consultation with a neurologist;
- 3. Age \geq 18 years;
- 4. Myasthenia Gravis Activities of Daily Living (MG-ADL) score ≥ 6 at baseline;
- 5. Myasthenia Gravis Foundation of America (MGFA) clinical classification of Class II to IV;
- 6. Member has positive serological test for anti-AChR antibodies;
- 7. Failure of a corticosteroid (*see Appendix B*), unless contraindicated or clinically significant adverse effects are experienced;
- 8. Failure of a cholinesterase inhibitor (*see Appendix B*), unless contraindicated or clinically significant adverse effects are experienced;
- 9. Failure of at least one immunosuppressive therapy (*see Appendix B*), unless clinically significant adverse effects are experienced or all are contraindicated;
- 10. Ultomiris is not prescribed concurrently with Bkemv, Rystiggo[®], Soliris, Vyvgart[®], Vyvgart[®] Hytrulo, or Zilbrysq[®];



- 11. Dose does not exceed the following (a, b, c, and d):
 - a. IV loading dose on Day 1:
 - i. Weight \geq 40 to < 60 kg: 2,400 mg;
 - ii. Weight \geq 60 to \leq 100 kg: 2,700 mg;
 - iii. Weight $\geq 100 \text{ kg}$: 3,000 mg;
 - b. If member is switching therapy from Soliris/Bkemv, administration of the IV loading dose should occur at the time of the next scheduled Soliris/Bkemv dose;
 - c. IV maintenance dose on Day 15 after IV Ultomiris loading dose and at the specified frequency thereafter:
 - i. Weight \geq 40 to < 60 kg: 3,000 mg every 8 weeks;
 - ii. Weight \geq 60 to \leq 100 kg: 3,300 mg every 8 weeks;
 - iii. Weight \geq 100 kg: 3,600 mg every 8 weeks;
 - d. If member has received PE, PP, or IVIg, a supplemental dose of Ultomiris may be administered within 4 hours following each PE/PP intervention or IVIg cycle (*see section V*).

Approval duration: 6 months

D. Neuromyelitis Optica Spectrum Disorder (must meet all):

- 1. Diagnosis of NMOSD;
- 2. Prescribed by or in in consultation with a neurologist;
- 3. Age \geq 18 years;
- 4. Member has positive serologic test for anti-AQP4 antibodies;
- 5. Member has experienced at least one relapse within the previous 12 months;
- 6. Baseline expanded disability status scale (EDSS) score of ≤ 7 ;
- 7. Failure of rituximab (*Ruxience*[™] and *Truxima*[®] are preferred) at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
 - *Prior authorization may be required for rituximab
- 8. Ultomiris is not prescribed concurrently with rituximab, Bkemv, Enspryng[®], Soliris, or Uplizna[®];
- 9. Dose does not exceed the following (a, b, c, and d):
 - a. IV loading dose on Day 1:
 - i. Weight \geq 40 to < 60 kg: 2,400 mg;
 - ii. Weight > 60 to < 100 kg: 2,700 mg;
 - iii. Weight $\geq 100 \text{ kg}$: 3,000 mg;
 - b. If member is switching therapy from Soliris, administration of the IV loading dose should occur at the time of the next scheduled Soliris dose;
 - c. IV maintenance dose on Day 15 after IV Ultomiris loading dose and at the specified frequency thereafter:
 - i. Weight \geq 40 to \leq 60 kg: 3,000 mg every 8 weeks;
 - ii. Weight \geq 60 to < 100 kg: 3,300 mg every 8 weeks;
 - iii. Weight \geq 100 kg: 3,600 mg every 8 weeks;
 - d. If member has received PE, PP, or IVIg, a supplemental dose of Ultomiris may be administered within 4 hours following each PE/PP intervention or IVIg cycle (*see section V*).

Approval duration: 6 months



E. 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): PA.CP.PMN.53 for Medicaid.

II. Continued Therapy

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

- 1. Currently receiving medication via PA Health & Wellness benefit and documentation supports positive response to therapy or the Continuity of Care policy (PA.PHARM.01) applies;
- 2. Member is responding positively to therapy as evidenced by, including but not limited to, any of the following parameters (a, b or c):
 - a. PNH:
 - i. Improved measures of intravascular hemolysis (e.g., normalization of LDH);
 - ii. Reduced need for red blood cell transfusions;
 - iii. Increased or stabilization of hemoglobin levels;
 - iv. Less fatigue;
 - v. Improved health-related quality of life;
 - vi. Fewer thrombotic events;
 - b. aHUS:
 - i. Improved measures of intravascular hemolysis (e.g., normalization of LDH);
 - ii. Increased or stabilized platelet counts;
 - iii. Improved or stabilized serum creatinine or estimated glomerular filtration rate (eGFR);
 - iv. Reduced need for dialysis;
 - c. gMG:
 - i. Improved MG-ADL total score as evidenced by a 2-point reduction from baseline:
 - d. NMOSD:
 - i. Member is responding positively to therapy including but not limited to improvement or stabilization in any of the following parameters:
 - 1. Frequency of relapse:
 - 2. EDSS;
 - 3. Visual acuity;
- 3. Ultomiris is not prescribed concurrently with (a, b, c or d):
 - a. PNH: Bkemy, Empaveli, Fabhalta, or Soliris;
 - b. aHUS: Bkemv or Soliris;
 - c. gMG:Bkemv, Rystiggo, Soliris, Vyvgart, Vyvgart Hytrulo, or Zilbrysq;;
 - d. NMOSD: rituximab, Bkemv, Enspryng, Soliris, or Uplizna;
- 4. If request is for a dose increase, new dose does not exceed one of the following (a, b, or c):
 - a. PNH/aHUS (i or ii):
 - i. IV (at least 1 week must have elapsed since last dose of SC Ultomiris if switching):
 - 1. Weight \geq 5 to \leq 10 kg: 300 mg every 4 weeks;



- 2. Weight ≥ 10 to ≤ 20 kg: 600 mg every 4 weeks;
- 3. Weight \geq 20 to \leq 30 kg: 2,100 mg every 8 weeks;
- 4. Weight \geq 30 to \leq 40 kg: 2,700 mg every 8 weeks;
- 5. Weight \geq 40 to \leq 60 kg: 3,000 mg every 8 weeks;
- 6. Weight \geq 60 to \leq 100 kg: 3,300 mg every 8 weeks;
- 7. Weight \geq 100 kg: 3,600 mg every 8 weeks;
- ii. SC (at least 8 weeks must have elapsed since last maintenance dose of IV Ultomiris if switching):
 - 1. Age \geq 18 years and weight \geq 40 kg: 490 mg every week;
- b. gMG/NMOSD:
 - i. Weight \geq 40 to \leq 60 kg: 3,000 mg every 8 weeks;
 - ii. Weight \geq 60 to \leq 100 kg: 3,300 mg every 8 weeks;
 - iii. Weight \geq 100 kg: 3,600 mg every 8 weeks;
- c. All indications: If member has received PE, PP, or IVIg, a supplemental dose of Ultomiris may be administered within 4 hours following each PE/PP intervention or IVIg cycle (*see section V*).

Approval duration: 6 months

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

1. Currently receiving medication via PA Health & Wellness benefit and documentation supports positive response to therapy or the Continuity of Care policy (PA.PHARM.01) applies.

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): PA.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 policy PA.CP.PMN.53 for Medicaid or evidence of coverage documents.
- **B.** Amyotrophic lateral sclerosis.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

AChR: acetylcholine receptor ADAMTS13: a disintegrin and

metalloproteinase with thombospondin

type 1 motif, member 13

aHUS: atypical hemolytic uremic syndrome

AQP-4: aquaporin-4

EDSS: Expanded Disability Status Scale FDA: Food and Drug Administration gMG: generalized myasthenia gravis

GPI: glycosyl phosphatidylinositol

IVIg: intravenous immunoglobulin

LDH: lactate dehydrogenase

MG-ADL: Myasthenia Gravis Activities of Daily Living

MGFA: Myasthenia Gravis Foundation of America

NMOSD: neuromyelitis optica spectrum

disorder

PE: plasma exchange

PNH: paroxysmal nocturnal hemoglobinuria

PP: plasmapheresis



STEC-HUS: Shiga toxin E. coli related hemolytic uremic syndrome

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 and may require prior authorization.

TMA: thrombotic microangiopathy

Drug Name	Dosing Regimen	Dose Limit/
Corticosteroids		Maximum Dose
betamethasone	Oral: 0.6 to 7.2 mg DO par day	7.2 mg/day
dexamethasone	<u> </u>	
	Oral: 0.75 to 9 mg/day PO	9 mg/day
methylprednisolone	Oral: 12 to 20 mg PO per day; increase as needed by 4 mg every 2-3 days until there is	40 mg/day
	marked clinical improvement or to a maximum	
	of 40 mg/day	
prednisone	Oral: 15 mg/day to 20 mg/day; increase by 5	60 mg/day
prediffsone	mg every 2-3 days as needed. Maximum: 60	oo mg/day
	mg/day	
Cholinesterase Inhibit		
pyridostigmine	Oral immediate-release: 600 mg daily in	See regimen
(Mestinon [®] ,	divided doses (range, 60-1500 mg daily in	see regimen
Regonol®)	divided doses)	
regular)	Oral sustained release: 180-540 mg QD or BID	
	IV or IM: 2 mg every 2-3 hours	
neostigmine	Oral: 15 mg TID. The daily dosage should be	See regimen
(Bloxiverz®)	gradually increased at intervals of 1 or more	
	days. The usual maintenance dosage is 15-375	
	mg/day (average 150 mg)	
	IM or SC: 0.5 mg based on response to therapy	
Immunosuppressants		
azathioprine	Oral: 50 mg QD for 1 week, then increase	3 mg/kg/day
(Imuran [®])	gradually to 2 to 3 mg/kg/day	
mycophenolate	Oral: Dosage not established. 1 gram BID has	2 g/day
mofetil (Cellcept®)*	been used with adjunctive corticosteroids or	
	other non-steroidal immunosuppressive	
	medications	
cyclosporine	Oral: initial dose of cyclosporine (non-	5 mg/kg/day
(Sandimmune®)*	modified), 5 mg/kg/day in 2 divided doses	
Rituxan® (rituximab),	gMG:	See regimen
Riabni [™] (rituximab-	IV: 375 mg/m ² once a week for 4 weeks; an	
arrx), Ruxience [™]	additional 375 mg/m ² dose may be given every	
(rituximab-pvvr),	1 to 3 months afterwards	
Truxima® (rituximab-	NIMOGD	
abbs)* [†]	NMOSD:	



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
	IV: 375 mg/m ² per week for 4 weeks as induction, followed by 375 mg/m ² biweekly every 6 to 12 monthsb	

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): patients with unresolved serious *Neisseria meningitidis* infection;
- Boxed warning(s): serious meningococcal infections

Appendix D: General Information

- Ultomiris is only available through a REMS (Risk Evaluation and Mitigation Strategy) program due to the risk of life-threatening and fatal meningococcal infection. Vaccination for meningococcal bacteria (for serogroups A, C, W, Y, and B) should be completed or updated at least 2 weeks prior to the first dose of Ultomiris, unless the risk of delaying therapy with Ultomiris outweigh the risk of developing a serious infection. Patients should be monitored for early signs and symptoms of serious meningococcal infections, evaluated immediately if infection is suspected, and treated with antibiotics if necessary.
- Examples of symptoms of anemia include but are not limited to: dizziness or lightheadedness, fatigue, pale or yellowish skin, shortness of breath, chest pain, cold hands and feet, and headache.
- Ultomiris is a humanized monoclonal antibody to complement component C5 that was engineered from Soliris. It is virtually identical to Soliris but has a longer half-life that allows for less frequent dosing intervals.
- In August 2021, Alexion announced it is discontinuing the global CHAMPION-ALS phase 3 clinical study of Ultomiris in adults with amyotrophic lateral sclerosis due to an interim data review showing a lack of efficacy.
- The MGFA classification has some subjectivity in it when it comes to distinguishing mild (Class II) from moderate (Class III) and moderate (Class III) from severe (Class IV). Furthermore, it is insensitive to change from one visit to the next.
- gMG: a 2-point reduction in MG-ADL total score is considered a clinically meaningful improvement. The scale can be accessed here: https://myasthenia.org/Portals/0/ADL.pdf
- NMOSD:
 - o AQP-4: AQP-4-IgG-seroposotive status is confirmed with the use of commercially available cell-binding kit assay (Euroimmun).
 - Stabilization or reduction in EDSS total score is an example of positive response. EDSS ranges from 0 (no disability) to 10 (death).

V. Dosage and Administration

Indication	Dosing Regimen*	Maximum Dose
PNH,	IV dosing:	IV: 3,600 mg/
aHUS	Day 1: Loading dose IV	8 weeks

[†]Prior authorization is required for rituximab products



Indication	Dosing Regimen	Dosing Regimen*			
	Day 15 and thereafter: Maintenance dose IV. If currently				SC: 490
	receiving SC Ultomiris, administer IV Ultomiris				mg/week
	maintenance dose starting 1 week after last SC Ultomiris				
	maintenance dose				
	Body Weight	Loading	Maintenance		
	Range (kg)	Dose (mg)	Dose		
	\geq 5 to < 10	600	300 every		-
	$\geq 10 \text{ to} < 20$	600	600 every		-
	\geq 20 to < 30	900	2,100 ever		-
	\geq 30 to < 40	1,200	2,700 ever		-
	\geq 40 to < 60	2,400	3,000 ever		-
	\geq 60 to < 100	2,700	3,300 ever		-
	≥ 100	3,000	3,600 ever	y 8 weeks	-
	SC dosing (maintenance only for age ≥ 18 years and weight ≥ 40 kg): 490 mg SC per week, starting 2 weeks after IV Ultomiris loading dose or 8 weeks after last IV Ultomiris maintenance dose				
gMG,	Body Weight	Loading	Mainte		3,600 mg/
NMOSD	Range (kg)	Dose (mg)	Dose (mg)		8 weeks
	$\geq 40 \text{ to} < 60$	2,400	3,000 every 8 weeks		_
	\geq 60 to < 100	2,700	3,300 every 8 weeks		-
	≥ 100	3,000	3,600 every 8 weeks		-
	Day 1: Loading dose IV				
G 1	Day 15 and therea			*/1 * 4	G ;
Supple-	A supplemental d		-		See regimen
mental	hours of PE, PP, o		nave been sn	own to	
doses	reduce Ultomiris serum levels:				
	Body Weight Range (kg)	Most Recent Ultomiris	Supplemental Dose (mg)		
	Kange (kg)	Dose (mg)	After	After	
		Dose (mg)	PE/PP	IVIg	
	\geq 40 to < 60	2,400	1,200	600	
	[]	3,000	1,500		
	\geq 60 to < 100	2,700	1,500		
	[]	3,300	1,800		
	≥ 100	3,000	1,500		
	3,600 1,800				

^{*}For patients switching from eculizumab to Ultomiris, administer the loading dose of Ultomiris IV 2 weeks after the last eculizumab infusion, and then administer maintenance doses IV once at the specified frequency, starting 2 weeks after loading dose administration.

VI. Product Availability

• Single-dose vials for IV injection: 300 mg/30 mL, 300 mg/3 mL, 1,100 mg/11 mL



Single-dose prefilled cartridge for use with supplied single-use on-body injector for SC injection: 245 mg/3.5 mL

VII. References

- 1. Ultomiris Prescribing Information. Boston, MA: Alexion Pharmaceuticals, Inc.; March 2024. Available at: www.ultomiris.com. Accessed May, 7, 2024.
- 2. Parker C, Omine M, Richards S, et al. Diagnosis and management of paroxysmal nocturnal hemoglobinuria. Blood 2005; 106(12):3699-3709. doi:10.1182/blood-2005-04-1717.
- 3. Loirat C, Fakhouri F, Ariceta G, et al. An international consensus approach to the management of atypical hemolytic uremic syndrome in children. Pediatr Nephrol. 2016; 31: 15-39.
- 4. Avila A, Cao M, Espinosa M, Manrique J, Morales E. Recommendations for the individualized management of atypical hemolytic uremic syndrome in adults. Front Med. 2023; 10: 1264310. doi: 1.3389.fmed.2023.1264310
- 5. Goodship THJ, Cook HT, Fakhouri F, et al. Atypical hemolytic uremic syndrome and C3 glomerulopathy: conclusions from a "Kidney Disease: Improving Global Outcomes" (KDIGO) Controversies Conference. Kidney International. 2017; 91: 539-551.
- 6. AstraZeneca. Update on CHAMPION-ALS Phase III trial of Ultomiris in amyotrophic lateral sclerosis. Press release published August 20, 2021. Available at: https://www.astrazeneca.com/media-centre/press-releases/2021/update-on-ultomiris-phase-iii-als-trial.html. Accessed May 15, 2024.
- 7. Narayanaswami P, Sanders DB, Wolfe G, et al. International consensus guidance for management of myasthenia gravis: 2020 update. Neurology. 2021; 96: 114-122.
- 8. Sanders DB, Wolfe GI, Benatar M, et al. International consensus guidelines for the management of myasthenia gravis. Neurology. 2016; 87: 419-425.
- 9. ClinicalTrials.gov. NCT03920293. Safety and efficacy study of ravulizumab in adults with generalized myasthenia gravis. Available at www.clinicaltrials.gov. Accessed May 15, 2024.
- 10. Sellner J, Boggild M, Clanet M, et al. EFNS guidelines on diagnosis and management of neuromyelitis optica. European Journal of Neurology. 2010; 17: 1019–1032.
- 11. ClinicalTrials.gov. NCT04201262. An efficacy and safety study of ravulizumab in adult participants with NMOSD. Available at www.clinicaltrials.gov. Accessed May 15, 2024.
- 12. Kumpfel T, Giglhuber K, Aktas O, et al. Update on the diagnosis and treatment of neuromyelitis optica spectrum disorders (NMOSD) revised recommendations of the Neuromyelitis Optica Study Group (NEMOS). Part II: Attack therapy and long-term management. Journal of Neurology. 2023; 271: 141-176.

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
J1303	Injection, ravulizumab-cwvz, 300 mg



Reviews, Revisions, and Approvals	Date
Policy created.	04/2019
1Q 2020 annual review: added language to clarify timing of loading dose	01/2020
when switching from Soliris; criteria added for new FDA indication: aHUS;	
references reviewed and updated.	
1Q 2021 annual review: added requirement against concurrent use with	01/2021
Soliris; added new strength vials- 300 mg/3 mL and 1,100 mg/11 mL;	
references reviewed and updated.	
1Q 2022 annual reviewed: RT4: updated age and dosing requirements for	01/2022
PNH per FDA pediatric expansion (from age at least 18 years to age at least 1	
month); for PNH, added requirement for no concurrent use with Empaveli;	
added amyotrophic lateral sclerosis to section III as an indication not covered	
due to lack of efficacy; references reviewed and updated.	
RT4: criteria added for new FDA indication: gMG.	10/2022
1Q 2023 annual review: no significant changes; RT4: added new SC injection	01/2023
dosage form and updated dosing requirements in criteria and section V	
(including allowance for supplemental doses if member has received PE, PP,	
or IVIg); references reviewed and updated.	
3Q 2023 annual review: no significant changes; references reviewed and	07/2023
updated.	
RT4: criteria added for new FDA indication: NMOSD; updated	04/2024
contraindications per revised FDA labeling.	
3Q 2024 annual review: no significant changes; updated the list of therapies	07/2024
that Ultomiris should not be prescribed concurrently with to include Bkemv	
for all indications, Fabhalta for PNH, and Rystiggo, Vyvgart Hytrulo, and	
Zilbrysq for gMG; references reviewed and updated.	