



SmartPA Criteria Proposal

Drug/Drug Class:	Bile Salt Agents PDL Edit
First Implementation Date:	June 23, 2011
Proposal Date:	December 16, 2021
Prepared For:	MO HealthNet
Prepared By:	MO HealthNet/Conduent
Criteria Status:	 □Existing Criteria ☑Revision of Existing Criteria □New Criteria

Executive Summary

Purpose: The MO HealthNet Pharmacy Program will implement a state-specific preferred drug list.

Why Issue Cholelithiasis (gallstones) occurs when either cholesterol or bilirubin precipitates out of Selected: bile solution to form crystallized pieces of bile in the gallbladder. In the United States (U.S.), almost 80% of participants with gallstones have cholesterol stones. Gallstone diseases affect 10 to 15 percent of the U.S. population, with close to 1 million new cases diagnosed each year. Participants with gallstone diseases may be asymptomatic or present with biliary colic or complications of gallstone disease. Gallstone blockages of the cystic duct result in pain and inflammation, which may lead to fever, jaundice, and infections. Treatment is usually unnecessary if gallstones are not causing symptoms. If treatment is warranted, cholecystectomy is the most widely used therapy. Alternatively, dissolution of the stones by chemicals, ursodiol or chenodiol, is used rather than surgery. These oral agents thin the bile and allow stones to dissolve. In addition, ursodiol decreases cholesterol in bile and bile stones by reducing the secretion of cholesterol from the liver and the fractional reabsorption of cholesterol by the intestines. Use of pharmacologic therapy is limited to small stones which are predominantly composed of cholesterol, allowing for rapid and complete dissolution. The most common adverse effects include headache, diarrhea, constipation, dizziness, nausea, and dyspepsia.

Cholestasis is the decrease in bile flow due to impaired secretion by hepatocytes or obstruction of bile flow through intrahepatic or extrahepatic bile ducts. Cholestasis is categorized as either hepatocellular or obstructive. Hepatocellular cholestasis occurs when there is an impairment in the formation of bile and can be caused by hepatitis, alpha1-antitrypsin deficiency, total parental nutrition (TPN) use, or genetic disorders such as progressive familial intrahepatic cholestasis (PFIC). In obstructive cholestasis there is an impedance to bile flow after it is formed, this can be caused by biliary atresia, congenital bile duct anomalies, cholelithiasis, cholangitis, Alagille syndrome, and nonsyndromic ductal paucity. Presentation may vary depending on disease but symptoms may include scleral icterus, elevated bilirubin, dark urine, cutaneous jaundice, and severe pruritus. Treatment involves pharmacologic therapy, dietary modification, and surgical intervention depending on the severity and cause of cholestasis.

Total program savings for the PDL classes will be regularly reviewed.

Program-Specific	Date Range FFS 7/1/2020 – 6/30/2021						
Information:	Drug	Claims	Spend	Est. Cost per Year 18 kg patient (MAC)			
	URSODIOL 300 MG CAPSULE	981	\$53,276.81				
	URSODIOL 250 MG TABLET	984	\$65,887.03	\$1,066			
	URSODIOL 500 MG TABLET	535	\$43,297.91				
	CHENODAL 250 MG TABLET	0	-	\$339,199			
	CHOLBAM 50 MG CAPSULE	29	\$692,726.79	\$297,605			
	CHOLBAM 250 MG CAPSULE	0	-				
	OCALIVA 5 MG TABLET	14	\$102,951.23	¢00.700			
	OCALIVA 10 MG TABLET	6	\$43,035.89	\$90,792			
	BYLVAY 200 MCG ORAL PELLET	0	-				
	BYLVAY 600 MCG ORAL PELLET	0	-	ФО45 500			
	BYLVAY 400 MCG CAPSULE	0	-	\$315,533			
	BYLVAY 1200 MCG CAPSULE	0	-				
	LIVMARLI 9.5 MG/ML	0	-	\$390,600			

Type of Criteria:
Increased risk of ADE Appropriate Indications Preferred Drug List □ Clinical Edit

☑ Databases + Prescriber-Supplied

Data Sources: Only Administrative Databases

Setting & Population

- Drug class for review: Bile Salt Agents
- Age range: All appropriate MO HealthNet participants

Approval Criteria

- Documented compliance on current therapy regimen OR •
- Failure to achieve desired therapeutic outcomes with trial of required number of preferred agents
 - Documented trial period of preferred agents **OR** \cap
 - Documented ADE/ADR to preferred agents \circ
- For Cholbam: documented diagnosis of sterol nucleus synthesis or side-change synthesis disorder OR peroxisomal disorders with history of compliance with adjunct therapy
- For Bylvay and Livmarli:
 - Participant has documented baseline liver tests (ALT, AST, TB, DB, INR) AND
 - Prescribed by or in consultation with a hepatologist, gastroenterologist, or other 0 specialists in the treated disease state AND
 - Documentation of presence of moderate to severe pruritus as evidenced by: 0
 - Whitington scale indicating score of at least 2 submitted by prescriber AND
 - ItchRO(Obs) scale indicating score of at least 2 submitted by participant or caregiver AND
 - Participant history demonstrates therapeutic trial of ursodiol (defined as 60/90 days) 0
- For Bylvay:
 - Documentation of genetic testing confirming pathogenic variant indicating presence and type of PFIC
- For Livmarli:
 - Participant has documented diagnosis of Alagille syndrome confirmed by either:
 - Genetic testing confirming pathogenic variant of JAG1 or NOTCH2 OR
 - Presence of \geq 3 of the following clinical features:
 - Cholestasis
 - **Ophthalmologic abnormalities** •

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- Characteristic facial features
- Cardiac defect
- Skeletal abnormalities

Denial Criteria

- Lack of adequate trial on required preferred agents
- Therapy will be denied if all approval criteria are not met
- For Bylvay and Livmarli:
 - History of liver transplant or decompensated cirrhosis
 - o Participant (female of childbearing age) is pregnant
- For Bylvay:
 - Documented genetic testing indicating PFIC Type 2 with *ABCB11* variants encoding for nonfunction or absence of BSEP-3
 - Dose exceeds 6 mg per day
- For Livmarli:
 - Dose exceeds 3 mL per day

Required Documenta	tion		
Laboratory Results: MedWatch Form:	X	Progress Notes:	
Disposition of Edit			

Denial: Exception Code "0160" (Preferred Drug List Edit) Rule Type: PDL

Default Approval Period

1 year

References

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