Alabama Medicaid DUR Board Meeting Minutes July 24, 2019

Members Present: Kelli Littlejohn Newman, Rachel Seaman, Bernie Olin, Melinda Rowe, Mary Stallworth, Jessica Jackson, Paula Thompson, Dan McConaghy, Crystal Deas, Kelly Tate, Clinton Martin, Denyse Thornley-Brown

Also Present: Tiffany Minnifield, Lori Thomas, Clemice Hurst, Alex Jenkins, Heather Vega, Julie Jordan

Present via Conference Call: Kristian Testerman, Joshua Lee, Angela Lowe, Tammy Dubuc

Members Absent: Kenny Murray

Call to Order: The DUR meeting was called to order by D. Thornley-Brown at approximately 1:03p.m.

Review and Adoption of Minutes: The minutes of the April 24, 2019 meeting were presented and P. Thompson made a motion to approve the minutes. R. Seaman seconded the motion and the motion was approved unanimously.

Prior Authorization and Overrides Update: L. Thomas began the Prior Authorization and Overrides Update with the Monthly Manual Prior Authorizations and Overrides Report for the month of January 2019. She reported 12,618 total manual requests and 19,396 total electronic requests. From the Prior Authorization and Override Response Time Ratio report for January 2019, L. Thomas reported that approximately 79% of all manual PAs and 73% of all overrides were completed in less than two hours. Ninety-four percent of all manual PAs and 93% of all overrides were completed in less than four hours. Ninety-six percent of all manual PAs and 95% of all overrides were completed in less than eight hours. For the month of February 2019, L. Thomas reported 11,656 manual PA requests and 17,506 electronic PA requests were received. She reported that 76% of all manual PAs and overrides were completed in less than two hours. Ninety-four percent of all manual PAs and 92% of all overrides were completed in less than four hours. Ninety-six percent of all manual PAs and 95% of all overrides were completed in less than eight hours. For the month of March 2019, L. Thomas reported 11,710 manual PA requests and 18,424 electronic PA requests. L. Thomas reported that approximately 72% of all manual PAs and 65% of all overrides were completed in less than two hours. Ninety-two percent of all manual PA requests and 91% of all overrides were completed in less than four hours. Ninety-five percent of all manual PA requests and overrides were completed in less than eight hours.

Program Summary Review: L.Thomas briefly reviewed the Alabama Medicaid Program Summary for the months of October 2018 through March 2019. She reported 3,711,073 total prescriptions, 226,996 average recipients per month using pharmacy benefits, and an average paid per prescription of \$113.71.

Cost Management Analysis: L.Thomas reported an average cost per claim of \$114.17 for December 2018 and emphasized that the table contained the average cost per claim over the past two years. From the 1st Quarter 2019 Drug Analysis, L.Thomas reported 81% generic utilization, 8% brand single-source, 7% brand multi-source (those requests which required a DAW override), and 4% OTC and "other". From the Top 25 Drugs Based on Number of Claims from 01/01/2019 – 03/31/2019, L.Thomas reported the top five drugs: amoxicillin, cetirizine, oseltamivir phosphate, montelukast sodium, and azithromycin. L. Thomas indicated there has been a significant reduction in hydrocodone-acetaminophen claims and that hydrocodone-acetaminophen is no longer in the top five claims. L. Thomas then reported the top five drugs from the Top 25 Drugs Based on Claims Cost from 01/01/2019 – 03/31/2019: Vyvanse*, Focalin XR*, Invega* Sustenna*, oseltamivir phosphage, and Concerta*. She reminded the Board that Vyvanse* and Focalin XR* were preferred agents during this. From the Top 15 Therapeutic Classes by Total Cost of

Claims for the same time frame, L.Thomas reported the top five classes: Antipsychotic Agents, Respiratory and CNS Stimulants, Amphetamines, Miscellaneous Anticonvulsants, and Insulins.

Opioid Edits: K. Newman reviewed the Short-Acting Opioid Naïve Limit edit that began on November 1, 2018 and also reviewed Phase One of the Morphine Milligram Equivalent (MME) Edit that began May 1, 2019. She also reviewed Phase Two which is set to begin August 1, 2019. K. Newman also gave a brief overview of the Support Act of 2018 and indicated that more information was forthcoming from CMS. She also mentioned that RDUR criteria related to the Support Act was approved during the April 2019 DUR Board Meeting.

RDUR Intervention Report: L. Thomas presented the RDUR Activity Report for April 2019. She reported 532 profiles reviewed and 673 letters sent with 86 responses received as of the date of the report. She reported 50 of 86 physicians indicated that they found the RDUR letters "useful" or "extremely useful". The criteria for the cycle of intervention letters included Overuse Precaution (appropriate use of immediate-release opioids); Drug-Drug Interaction (additive CNS effects – narcotics/opioids and benzodiazepines); and Appropriate Use (concurrent use of buprenorphine and pure opiate agonists).

Proposed Criteria: L.Thomas presented the proposed set of 42 criteria to the Board. T. Minnifield instructed the Board members to mark their ballots. Of the 42 proposed criteria, results from the criteria vote returned 38 approved, 3 approved as amended, and 1 rejected.

Medicaid Update: K. Littlejohn gave the Medicaid update and talked to the group about the ACHN ALERT. T. Minnifield reminded the Board members that all updated Medicaid drug lists and ALERTs were provided to them electronically and are also available online. A vote to elect a new Vice Chair was taken. Results of the vote elected Rachel Seaman as Vice Chair.

P & T Committee Update: C. Hurst began the P & T Update by informing the Board that the last meeting was held on May 8, 2019 and covered the remaining Anti-infective Agents and a review of the Calcitonin Gene-Related Peptide Antagonists. The next P & T Committee meeting will be held on August 7, 2019, and will cover the First Generation Antihistamines; Antidiabetic Agents; Prenatal Vitamins; Agents used to Treat Multiple Sclerosis; and Antigout Agents.

Next Meeting Date: D. Thornley-Brown reminded the Board that the next DUR meeting will be held on October 23, 2019. A motion to adjourn the meeting was made by P. Thompson. B. Olin seconded the motion and the meeting was adjourned at 2:10 p.m.

Respectfully submitted,

Loui Thomas, Pharmo

Lori Thomas, PharmD.

ALABAMA MEDICAID RETROSPECTIVE DRUG UTILIZATION REVIEW CRITERIA RECOMMENDATIONS

Criteria Recommendations

Accepted Approved Rejected
As
Amended

-			
Alert Message: The patie	nt has received m	ance Abuse or Dependence ore than one prescriptions for controlled substances on this and has a diagnosis of substance abuse,	V
Conflict Code: LI - Lock-Ir	n Criteria		
Drugs/Diseases			
Util A	<u>Util B</u>	Util C (Include)	
Controlled Substances		Diagnosis of Substance Abuse or Dependence for:	
AL Restricted Meds		Opioid	
		Sedative, Hypnotic, or Anxiolytic	
8		Cocaine	
		Stimulant	
		Hallucinogen	
		Alcohol	
		Inhalant	

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Facts & Comparisons, 2018 Updates, Wolters Kluwer Health.

National Institute of Drug Abuse (NIDA), Misuse of Prescription Drugs. Last Updated January 2018. Available at: https://www.drugabuse.gov/publications/research-reports/misuse-prescription-drugs/how-can-prescription-drug-misuse-be-prevented

Psychoactive Substances

Centers for Disease Control and Prevention. 2018 Annual Surveillance Report of Drug-Related Risks and Outcomes - United States. Surveillance Special Report. Centers for Disease Control and Prevention, U.S. Department of Health and Human Services. Published August 31, 2018. Available at:

https://www.cdc.gov/drugoverdose/pdf/pubs/2018-cdc-drug surveillance-report.pdf

2. Chronic Opioid Use / D	Diagnosis of Medi	cation-Related Poisoning	v
Alert Message: The patier	nt has more than	one prescription for controlled subs	stances and/or
restricted medications in	recent months ar	nd has a diagnosis of drug-related po	oisoning.
Conflict Code: LI - Lock-In	Criteria		
Drugs/Diseases			•
<u>Util A</u>	<u>Util B</u>	Util C (Include)	
Controlled Substances		Diagnosis of Poisoning by:	
AL Restricted Meds		Opioid	
		Sedative, Hypnotic, or Anxiolytic	
		Cocaine	
		Stimulant	
		Hallucinogen	
X		Alcohol	
		Inhalant	
		Psychoactive Substance	
References:			
Clinical Pharmacology, 20	18 Elsevier/Gold	Standard.	
Facts & Comparisons, 201	18 Updates, Wolt	ers Kluwer Health.	
National Institute of Drug	Abuse (NIDA), N	lisuse of Prescription Drugs. Last Up	dated January 2018. Available at:
https://www.drugabuse.p	gov/publications/	research-reports/misuse-prescription	on-drugs/how-can-prescription-drug-
misuse-be-prevented			
Centers for Disease Contr	rol and Prevention	n. 2018 Annual Surveillance Report	of Drug-Related Risks and Outcomes
		t. Centers for Disease Control and P	
		gust 31, 2018. Available at:	
	52	ubs/2018-cdc-drug surveillance-rep	ort.pdf
			And the second s
3. Doxylamine/Pyridoxir	ne / Overutilizatio	on	V
Alert Message: The maxi	mum recommend	ded dose of Bonjesta (doxylamine/p	yridoxine
extended-release) is two	tablets per day: c	one in the morning and one at bedti	me.
,			
Conflict Code: ER - Overu	tilization		
Drugs/Diseases			
Util A	Util B	Util C	
Doxylamine/Pyridoxine	-		
Max Dose: 2 tablets/day			
· .			
References:			
Clinical Pharmacology, 20)18 Elsevier/Gold	Standard.	
Bonjesta Prescribing Info	rmation, June 201	l8. Duchesnay Inc.	12

4. Doxylamine/Pyr	ridoxine /	MAO In	hibitors
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Alert Message: The use of Bonjesta (doxylamine/pyridoxine extended-release) is contraindicated in women who are taking monoamine oxidase inhibitors (MAOIs). Concurrent use of MAOIs with doxylamine/pyridoxine can prolong and intensify the adverse central nervous system effects of the doxylamine component of the combination antiemetic.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

Util A

Util B

Util C

Doxylamine/Pyridoxine

Isocarboxazid
Phenelzine
Tranylcypromine

Selegiline Linezolid

References:

Bonjesta Prescribing Information, June 2018. Duchesnay Inc.

5. Doxylamine/Pyridoxine / CNS Depressants

Alert Message: Concurrent use of Bonjesta (doxylamine/pyridoxine extended-release) with other CNS depressants, including alcohol, is not recommended. The doxylamine component of the antiemetic may cause somnolence and severe drowsiness. Coadministration with CNS depressants may enhance the sedative effects of doxylamine.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Doxylamine/Pyridoxine

Sedatives Anxiolytics Narcotics Barbiturates Muscle Relaxants

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Bonjesta Prescribing Information, June 2018. Duchesnay Inc.

6. Doxylamine/Pyridoxine /	Certain	Disease	State
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Alert Message: Bonjesta (doxylamine/pyridoxine extended-release) should be used with caution in patients with asthma, increased intraocular pressure, narrow-angle glaucoma, stenosing peptic ulcer, pyloroduodenal obstruction, and urinary bladder-neck obstruction. The anticholinergic effects of the doxylamine component of the antiemetic product may worsen symptoms of these conditions.

Conflict Code: MC - Drug (Actual) Disease Precaution/Warning

Drugs/Diseases

Util_A

Util B

Util C

Doxylamine/Pyridoxine

Asthma

Increased Intraocular Pressure Narrow Angle Glaucoma

Peptic Ulcer

Obstruction of Duodenum Bladder-neck Obstruction

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Bonjesta Prescribing Information, June 2018. Duchesnay Inc.

7. Tezacaftor/Ivacaftor;Ivacaftor / Overutilization

Alert Message: Symdeko (tezacaftor/ivacaftor;ivacaftor) may be over-utilized. The manufacturer's recommended maximum daily dose is one (1) tezacaftor 100 mg/ivacaftor 150 mg fixed-dose combination tablet in the morning and one (1) 150 mg ivacaftor tablet in the evening, given 12 hours apart.

Conflict Code: ER - Overutilization

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Max Dose: 1 Box/month = 60 tablets/month

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated.

8.	Tezacaftor,	/lvacaftor;Ivacaf	ftor / Nonadherence
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Alert Message: Based on refill history, your patient may be under-utilizing Symdeko (tezacaftor/ivacaftor;ivacaftor). Nonadherence to the prescribed dosing regimen may result in sub-therapeutic effects, which may lead to decreased patient outcomes and additional healthcare costs.

Conflict Code: LR - Nonadherence

Drugs/Diseases

Util A

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

References:

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated.

Eakin MN, Bilderback A, Boyle MP, Mogayzel PJ, Riekert KA. Longitudinal Association between Medication Adherence and Lung Health in People with Cystic Fibrosis. Jrnl Cyst Fib. 2011;10(4):258-264.

Bishay LC, Sawicki. Strategies to Optimize Treatment Adherence in Adolescent Patients with Cystic Fibrosis. Adolesc

Health, Med & Ther. 2016 Oct 21;7:117-124.

9. Tezacaftor/Ivacaftor;Ivacaftor / Therapeutic Appropriateness (0-11 yoa)

Alert Message: The safety and efficacy of Symdeko (tezacaftor/ivacaftor) in patients younger than 12 years of age have not been established.

Conflict Code: TA - Therapeutic Appropriateness

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Age Range: 0 - 11 yoa

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated.

10. Tezacaftor/Ivacaftor;Ivacaftor / Strong CYP3A4 Inducers

Alert Message: Concurrent use of Symdeko (tezacaftor/ivacaftor;ivacaftor) with a strong CYP3A4 inducer is not recommended. Both tezacaftor and ivacaftor are CYP3A4 substrates, and concomitant use with strong 3A4 inducers may result in reduced exposure and reduced efficacy.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

Util A

Util B

<u>Util C</u>

Tezacaftor/Ivacaftor;Ivacaftor

Carbamazepine

Rifampin

Phenytoin Mitotane Phenobarbital Enzalutamide

Primidone

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated.

11. Tezacaftor/Ivacaftor:Ivacaftor / Strong CYP3A4 Inhibito	11. Tezaca	ftor/Ivacaftor:	Ivacaftor / Strong	CYP3A4	Inhibito
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Alert Message: When Symdeko (tezacaftor/ivacaftor;ivacaftor) is co-administered with a strong CYP3A4 inhibitor, the dosing of tezacaftor/ivacaftor should be adjusted to one (1) tezacaftor 100 mg/ivacaftor 150 mg fixed-dose combination tablet twice a week (taken approximately 3 to 4 days apart). The evening dose of ivacaftor 150 mg should not be taken. Both tezacaftor and ivacaftor are CYP3A4 substrates, and concomitant use with strong CYP3A4 inhibitors may significantly increase substrate exposure and risk of adverse effects.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Disease's

Util A

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Clarithromycin Nefazodone

Indinavir Ketoconazole

Cobicistat Saquinavir Itraconazole Posaconazole

Ritonavir

Voriconazole

Nelfinavir

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated

12. Tezacaftor/Ivacaftor;Ivacaftor / Moderate CYP3A4 Inhibitors

Alert Message: When Symdeko (tezacaftor/ivacaftor;ivacaftor) is co-administered with a moderate CYP3A4 inhibitor, the dosing of tezacaftor/ivacaftor should be adjusted to one (1) tezacaftor 100 mg/ivacaftor 150 mg fixed-dose combination tablet every other day in the morning, and one (1) ivacaftor 150 mg tablet every other day in the morning on alternate days (i.e., tezacaftor/ivacaftor tablet on Day 1 and ivacaftor tablet on Day 2). The evening dose of ivacaftor should not be taken.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Diltiazem

Dronedarone Cyclosporine

Crizotinib Clotrimazole

Verapamil Fluconazole Erythromycin

Imatinib

Fluvoxamine Aprepitant

Cimetidine

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated.

13. Tezacaftor/Ivacaftor;Ivacaftor / Moderate to Severe Hepatic Impairmentv	·	
Alert Message: A reduced dose of Symdeko (tezacaftor/ivacaftor;ivacaftor) is		
recommended in patients with moderate hepatic impairment (Child-Pugh Class B)		

and severe hepatic impairment (Child-Pugh Class C). Patients with moderate impairment should receive one (1) tezacaftor 100 mg/ivacaftor 150 mg fixed-dose combination tablet once daily and NO ivacaftor 150 mg dose. Patients with severe impairment should receive one (1) tezacaftor 100 mg/ivacaftor 150 mg fixed-dose combination tablet once daily (or less frequently) and NO ivacaftor 150 mg dose.

Conflict Code: MC - Drug (Actual) Disease Precaution

Drugs/Diseases

Util A

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Cirrhosis

Hepatic Failure

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated

14. Tezacaftor/Ivacaftor;Ivacaftor / P-gp Substrates w/ NTI

Alert Message: Caution and appropriate monitoring should be used when Symdeko (tezacaftor/ivacaftor;ivacaftor) is co-administered with a P-gp substrate with a narrow therapeutic index. The ivacaftor component of the co-packaged combination product is a P-gp inhibitor, and concurrent use with a P-gp substrate may result in increased substrate exposure.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

Util A

Util B

Util C

Tezacaftor/Ivacaftor;Ivacaftor

Digoxin Cyclosporine Everolimus Sirolimus Tacrolimus

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Symdeko Prescribing Information, Feb. 2018, Vertex Pharmaceuticals Incorporated

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Facts & Comparisons, 2018 Updates, Wolters Kluwer Health

Accepted Approved Rejected As Amended

•	ic Appropriateness nd efficacy of Saphris (asenapine) fo tric patients below 10 years of age		
Conflict Code: ER - Overutilia Drugs/Diseases Util A Util B Asenapine	zation <u>Util C (Include)</u> Bipolar I Disorder Mania & N	Mixed Episodes	
Age Range: 0 – 9 yoa			
References: Clinical Pharmacology, 2018 Facts & Comparisons, 2018	Elsevier/Gold Standard. Updates, Wolters Kluwer Health.		
		«	
_	cturer's recommended dose of Nuc osis with polyangiitis (EGPA) is 300 ı		- (c)
Conflict Code: ER - Overutilis Drugs/Diseases Util A Util B Mepolizumab	zation <u>Util C (Include)</u> Polyarteritis with lung involv	vement [Churg-Strauss]	
Max Dose: 3 injections/4 we	eeks		
References: Clinical Pharmacology, 2018 Facts & Comparisons, 2018	Elsevier/Gold Standard. Updates, Wolters Kluwer Health.		
	eutic Appropriateness nd efficacy of Nucala (mepolizumak sis with polyangiitis in pediatric pat	•	_m
Conflict Code: TA - Theraped Drugs/Diseases Util A Util B Mepolizumab	utic Appropriateness <u>Util C (Include)</u> Polyarteritis with lung involv	vement [Churg-Strauss]	
Age Range: ≤ 18 yoa		«	
Poforoncos			

Alert Message:		's recommended dose of Rydapt (midostaurin) for patients L) is 50 mg twice daily.	152
Conflict Code: El	R - Overutilization		
Drugs/Diseases			
Util A	<u>Util B</u>	Util C (Include)	
Midostaurin		Acute Myeloid Leukemia	
Max Dose: 100 r	mg/day		
	cology, 2018 Elsevi ng Information, Ju	er/Gold Standard. Ine 2018, Novartis Pharmaceuticals Corp	
Alert Message: with aggressive	systemic mastocyt	's recommended dose of Rydapt (midostaurin) for patients cosis (ASM), systemic mastocytosis with associated or mast cell leukemia (MCL) is 100 mg twice daily.	
Conflict Code: El	R - Overutilization		
Drugs/Diseases <u>Util A</u> Midostaurin	Util B	Util C (Include) Aggressive Systemic Mastocytosis (ASM) Mast Cell Leukemia	
Max Dose: 200 r	mg/day		
	cology, 2018 Elsevi ing Information, Ju	er/Gold Standard. Ine 2018, Novartis Pharmaceuticals Corp.	
Alert Message: CYP3A4 inducer		Rydapt (midostaurin), a CYP3A4 substrate, with a strong das concomitant use may result in decreased midostaurin	
Conflict Code: D Drugs/Diseases	D – Drug/Drug Inte	eraction	
Util A	Util B	Util C	
Midostaurin	Carbamazepine Phenobarbital	Rifampin Enzalutamide	

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Primidone Phenytoin

Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.

21.	Midostaurin,	/ Strong	CYP3A4	Inhibitors
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Alert Message: Concurrent use of Rydapt (midostaurin), a CYP3A4 substrate, with a strong CYP3A4 inhibitor may increase exposure to midostaurin and its active metabolites, increasing the risk of midostaurin toxicity. Consider alternative therapies that do not strongly inhibit CYP3A4 or monitor for increased risk of midostaurin-related adverse reactions.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

Util A

Util B

Util C

Midostaurin

Clarithromycin Nefazodone Ketoconazole Itraconazole Posaconazole

Ritonavir Saquinavir

Cobicistat

Conivaptan

Voriconazole

Indinavir Nelfinavir

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.

22. Midostaurin / Pregnancy / Pregnancy Negating

Alert Message: Rydapt (midostaurin) may cause fetal harm when administered to a pregnant

woman. Advise pregnant women of the potential risk to the fetus.

Conflict Code: MC - Drug (Actual) Disease Precaution

Drugs/Diseases

Util A

Util_B

Util C (Negating)

Midostaurin

Pregnancy

Miscarriage

Abortion Delivery

Gender: Female

Age Range: 11 - 50 yoa

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.

23. Midostaurin / Therapeutic Appropriatenessv
Alert Message: Advise males with female sexual partners of reproductive potential that effective contraception should be used during treatment with Rydapt (midostaurin) and for 4 months after the last dose. Based on its mechanism of action and findings from animal reproduction studies, midostaurin may cause embryo-fetal toxicity.
Conflict Code: TA - Therapeutic Appropriateness Drugs/Diseases Util A Util B Util C Midostaurin
Gender: Male
References: Clinical Pharmacology, 2018 Elsevier/Gold Standard. Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.
24. Midostaurin / Therapeutic Appropriateness Alert Message: Based on its mechanism of action and findings from animal reproduction studies, Rydapt (midostaurin) may cause fetal harm when administered to a pregnant woman. Advise females of reproductive potential to use effective contraception during treatment with midostaurin and for at least 4 months after the last dose.
Conflict Code: TA - Therapeutic Appropriateness Drugs/Diseases Util A Util B Util C Midostaurin
Gender: Female Age Range: 11 – 50 yoa
References: Clinical Pharmacology, 2018 Elsevier/Gold Standard. Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.
25. Midostaurin / Therapeutic Appropriateness Alert Message: The safety and effectiveness of Rydapt (midostaurin) have not been established in pediatric patients.
Conflict Code: TA - Therapeutic Appropriateness Drugs/Diseases Util A Util B Util C Midostaurin
Age Range: 0-17 you
References: Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Rydapt Prescribing Information, June 2018, Novartis Pharmaceuticals Corp.

26. Midostaurin / Pulmonary Toxicity	.
Alert Message: Cases of interstitial lung disease	e and pneumonitis, some fatal, have occurred
	s monotherapy or with chemotherapy. Monitor
patients for pulmonary symptoms. Discontinue	
and symptoms of interstitial lung disease or pne	
Conflict Code: MC – Drug (Actual) Disease Preca	ution
Drugs/Diseases	
Util A Util B	Util C
Midostaurin Acute Interstitial Pneumonia	<u>otire</u>
Dyspnea	
References:	
Clinical Pharmacology, 2018 Elsevier/Gold Stand	dard.
Rydapt Prescribing Information, June 2018, Nov	
Try dupt 1 resortioning time time attention, surfer 2020, 1101	artis i narmadearisais corp.
*	
27. Delafloxacin / Overutilization	V
Alert Message: Baxdela (delafloxacin) may be o	ver-utilized. The recommended maximum
dosage of delafloxacin is 450 mg orally every 12	
dosage of delationaciin is 150 mg of any every 12	Thous for a total duration of 5 to 14 days.
Conflict Code: ER - Overutilization	
Drugs/Diseases	
Util A Util B Util C	
Delafloxacin	
Belalloxuolii	×
Max Dose: 900 mg/day	
References:	
Baxdela Prescribing Information, Oct. 2018, Mel	linta Therapeutics, Inc.
,	
28. Delafloxacin / Therapeutic Appropriatenes	SS V
Alert Message: The use of Baxdela (delafloxacir	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(ESRD) is not recommended. There is insufficien	
recommendations in this patient population.	
Conflict Code: MC – Drug Disease Precaution/W	arning
Drugs/Diseases	
Util A Util B Util	<u>IC</u>
Delafloxacin End-Stage Renal Disease	
, and the second	
References:	
Baxdela Prescribing Information, Oct. 2018, Me	linta Therapeutics, Inc.

irreversible serious adverse reactio tendon rupture, peripheral neurop	propriateness have been associated with disabling and pot ns that have occurred together, including; to athy, and CNS effects. Discontinue Baxdela luoroquinolones in patients who experience	endinitis and (delafloxacin)
Conflict Code: TA - Therapeutic App Drugs/Diseases <u>Util A</u> <u>Util B</u> Delafloxacin	Util C	
References: Baxdela Prescribing Information, O	ct. 2018, Melinta Therapeutics, Inc.	
transaminases (alanine aminotrans [AST]). Prior to starting treatment (ALT and AST) and total bilirubin levels should be obtained at 1 mon	ropriateness diol) causes dose-related elevations of liver ferase [ALT] and/or aspartate aminotransfe with cannabidiol, obtain serum transaminas vels. Serum transaminases and total bilirubi th, 3 months, and 6 months after initiation of eriodically thereafter or as clinically indicated	es n of
Drugs/Diseases <u>Util A</u> Cannabidiol	<u>Util C</u>	
References: Clinical Pharmacology, 2018 Elsevie	er/Gold Standard.	

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

Alert Message: Based on the refill history, your patient may be underutilizing Epidiolex (cannabidiol). Nonadherence to the prescribed dosing regimen may result in sub-therapeutic effects, which may lead to decreased patient outcomes and additional healthcare costs.

Drugs/Diseases

Util A

Util B

Util C

Cannabidiol

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

32. Cannabidiol / Moderate & Strong CYP3A4 & CYP2C19 Inhibitors

Alert Message: Epidiolex (cannabidiol) is metabolized by CYP3A4 and CYP2C19. Therefore, coadministration with a moderate to strong inhibitor of CYP3A4 or CYP2C19 will increase cannabidiol plasma concentrations, which may result in a greater risk of adverse reactions. Consider a reduction in the cannabidiol dosage when coadministered with a moderate to strong inhibitor of CYP3A4 or CYP2C19.

Drugs/Diseases

Cannabidiol

Util A

Util B

Diltiazem

Ticlopidine

Fosamprenavir

Util C

Clarithromycin Ketoconazole

Nefazodone

Verapamil Fluconazole Cobicistat Fluoxetine Atazanavir

Itraconazole Posaconazole Voriconazole Aprepitant
Cimetidine
Ciprofloxacin

lmatinib Indinavir

Saquinavir Ritonavir Crizotinib Fluvos Cyclosporine

Fluvoxamine prine Erythromycin

Nelfinavir

Dronedarone

Delavirdine

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

33. Cannabidiol	/ Strong CYP3A4 &	CYP2C19 Inducers
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Alert Message: Epidiolex (cannabidiol) is metabolized by CYP3A4 and CYP2C19. Coadministration with a strong CYP3A4 or CYP2C19 inducer will decrease cannabidiol plasma concentrations, which may lower the efficacy of cannabidiol. Consider an increase in the cannabidiol dosage (based on clinical response and tolerability) when coadministered with a strong CYP3A4 or CYP2C19 inducer.

Drugs/Diseases

Util A

Util B

Util C

Cannabidiol

Carbamazepine Phenytoin Primidone Phenobarbital Rifampin

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences

34. Cannabidiol / Clobazam

Alert Message: Coadministration of Epidiolex (cannabidiol) with clobazam produces a 3-fold increase in plasma concentrations of N-desmethylclobazam, the active metabolite of clobazam (a substrate of CYP2C19). This may increase the risk of clobazam-related adverse reactions. Consider a reduction in the dosage of clobazam if adverse reactions known to occur with clobazam are experienced when co-administered with cannabidiol.

Drugs/Diseases

Util A

Util B

Util C

Cannabidiol Clobazam

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences

35. Cannabidiol	/ Sensitive	CYP2C19	Substrates
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Alert Message: In vivo data show that coadministration of Epidiolex (cannabidiol) with a drug that is a CYP2C19 substrate will result in an increase in the plasma concentrations of the substrate and may increase the risk of substrate-related adverse reactions. Consider a reduction in the dosage of sensitive CYP2C19 substrates, as clinically appropriate, when coadministered with cannabidiol.

Drugs/Diseases

<u>Util A</u>

Util B

Diazepam

Util C

Cannabidiol

Omeprazole Lansoprazole Rabeprazole

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

FDA: Drug Development and Drug Interactions: Tables of Substrates, Inhibitors and Inducers. Available at: http://www.fda.gov/Drugs/DevelopmentApprovalProcess/DevelopmentResourcesDrugInteractionaLabeling/ucm0 93664.htm

36. Cannabidiol / Valproate

Alert Message: Concomitant use of Epidiolex (cannabidiol) and valproate may increase the risk of hepatotoxicity. Discontinuation or reduction of cannabidiol and/or concomitant valproate should be considered if liver enzyme elevations occur.

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Cannabidiol

Valproate

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

37. Cannabidiol / Pregnancy / Pregnancy Negating

Alert Message: There are no adequate data on the development risks associated with the use of Epidiolex (cannabidiol) in pregnant women. Administration of cannabidiol to pregnant animals produced evidence of developmental toxicity at maternal plasma exposure similar to (rabbit) or greater than (rat) that in humans at therapeutic doses. Encourage women who are taking cannabidiol to enroll in the North American Antiepileptic Drug (NAAED) Pregnancy Registry if they become pregnant.

Drugs/Diseases

<u>Util A</u>

<u>Util B</u> Pregnancy Util C (Negating)

Cannabidiol ...

Miscarriage

Delivery

Abortion

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

38.	Cann	nabidiol .	/ Lactation
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Alert Message: There are no data on the presence of Epidiolex (cannabidiol) or its metabolites in human milk, the effects on the breastfed infant, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for cannabidiol and any potential adverse effects on the breastfed infant from cannabidiol or from the underlying maternal condition.

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Cannabidiol Lactation

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

Epidiolex Prescribing Information, June 2018, Greenwich Biosciences.

39. Aspirin/Omeprazole / Overutilization

Alert Message: Yosprala (aspirin/omeprazole) may be over-utilized. The recommended daily dose of aspirin/omeprazole is one tablet once daily.

Conflict Code: ER - Overutilization

Drugs/Diseases

Util A

Util B

Util C

Aspirin/Omeprazole

Max Dose: 1 tablet/day

References:

Clinical Pharmacology, 2018 Updates, Elsevier/Gold Standard. Facts & Comparisons, 2018 Updates, Wolters Kluwer Health.

40. Ramelteon / Donepezil

Alert Message: The concurrent use of a donepezil-containing agent with ramelteon may result in increased ramelteon exposure. In a drug interaction study, the AUCO-inf and Cmax of ramelteon increased by approximately 100% and 87%, respectively, upon coadministration of donepezil with ramelteon. Patients should be closely monitored when ramelteon is coadministered with a donepezil-containing agent.

Conflict Code: DD – Drug/Drug Interaction

Drugs/Diseases

<u>Util A</u>

Util B

Util C

Ramelteon

Donepezil

Donepezil/Memantine

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

IBM Micromedex DRUGDEX (electronic version). Truven Health Analytics, Greenwood Village, Colorado, USA. 2018.

41. Ramelt	eon / [Doxe	pin
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Alert Message: The concurrent use of doxepin with ramelteon may result in increased ramelteon exposure. In a drug interaction study, the AUC0-inf and Cmax of ramelteon increased by approximately 66% and 69%, respectively, upon coadministration of doxepin with ramelteon. Patients should be closely monitored when ramelteon is coadministered with doxepin.

Conflict Code: DD - Drug/Drug Interaction

Drugs/Diseases

Util A

Util B

Util C

Ramelteon

Doxepin

References:

Clinical Pharmacology, 2018 Elsevier/Gold Standard.

IBM Micromedex DRUGDEX (electronic version). Truven Health Analytics, Greenwood Village, Colorado, USA. 2018.

42. Pimavanserin / Nonadherence

Alert Message: Based on refill history, your patient may be under-utilizing Nuplazid (pimavanserin). Non-adherence to the prescribed dosing regimen may result in sub-therapeutic effects, which may lead to decreased patient outcomes and additional healthcare costs.

Conflict Code: LR - Nonadherence

Drugs/Diseases

Util A

Util B

Util C

Pimavanserin

References:

Osterberg L, Blaschke T. Adherence to Medication. N Engl J Med 2005;353:487-97.

Stephenson JJ, Tuncelli O, Gu T, et al., Adherence to Oral Second-Generation Antipsychotic Medications in Patients with Schizophrenia and Bipolar Disorder: Physicians' Perceptions of Adherence vs. Pharmacy Claims. Int J Clin Pract, June 2012, 66, 6, 565-573.

Fleisher JE, Stern MB. Medication Non-adherence in Parkinson's Disease. Curr Neurol Neurosci Rep. 2013;13(10):382. doi 10 01007/s11910-013-0382-z

Alabama Medicaid Agency		0.0	
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Stephanie McGee Azar, Commissioner	Approve	() Deny	8/23/19 Date
Robert Moon, M.D., Deputy Commissioner	(X) Approve	() Deny	8/25/19 Date
And Medical Director Addy Joly Kathy Hall, Deputy Commissioner	(X) Approve	() Deny	8/22/19 Date