

### BACKGROUND

- A summative assessment involving a prospective DUR occurs in a P1 skills lab course. The assessment's design is modeled after a similar assessment in a P3 skills lab course.
- Concern P1 students pass the assessment without attaining minimal competency in skill abilities involved with performing a prospective DUR.
- Assessment strategies on prospective DUR skill abilities have utilized rubrics, checklist, or worksheets.<sup>1</sup>

### METHODS

#### Assessment Tool Development

- 2 course instructors involved in skills instruction with performing a prospective DUR. Tool developed by 1 of these course instructors.
- Tool sections modeled from instructional methods used in labs.
- Tool validated by the other course and course coordinator.

#### Assessment Tool Implementation

- Tool completed for 1 DUR case in 1 lab session and on summative assessment.

### PRIOR ASSESSMENT TOOL

Student Name: \_\_\_\_\_

Prospective Drug Utilization Review (DUR) – Stations #1, #2, #3

- There is ONE PRIMARY drug related concern for each DUR station.
- Describe the drug related concern in 1-2 sentence(s) in the "Documentation of Concern Identified" column.

Station Number	Documentation of Drug Related Concern Identified
1 (PINK)	
2 (YELLOW)	
3 (GREEN)	

### RESULTS

### NEW ASSESSMENT TOOL

Student Name: \_\_\_\_\_

Prospective Drug Utilization Review (DUR) – Station #4

- This station is to SELF-REFLECT on your thought process for DUR station #3 (Patient Name – Jim Gleason)
- Complete each section given below to the best of your abilities. There is no Pass score for this station.

SECTION A: ASSESSMENT - DRUG RELATED PROBLEM

#1 - Write the drug related concern to have the Drug Related Concern: \_\_\_\_\_

#2 - Select the PRIMARY Drug Related Concern that was identified:

Therapeutic Outcome	Allergies	Dose/Duration Appropriateness
Therapeutic Duplication	Drug Interaction	Misuse/Utilization

SECTION B: COLLECT – PATIENT INFORMATION

Write a description of the patient information collected and utilized from the New Prescription and Patient Profile:

NEW PRESCRIPTION	PATIENT PROFILE
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SECTION C: COLLECT – PHARMACOTHERAPY INFORMATION

#1 - Write a description of the pharmacotherapy information that was collected and utilized:

#2 - Select ALL Pharmacy eResource(s) used to collect pharmacotherapy information:

DailyMed	Facts & Comparisons eAnswers	Other:
Clinical Pharmacology	Lexicomp	Other:
DynaMed Plus	Micromedex Healthcare Series	No eResource was used

#3 - The following are common DRUG MONOGRAPH sections in a drug database (ex. Lexicomp, Micromedex, Clinical Pharmacology). Select ALL drug monograph sections used to collect pharmacotherapy information:

Pharmacologic Category/Drug Classification	Interactions
Dosages/Dosing/Dose Adjustments	Pharmacokinetics
Uses/Indications	Pharmacology/Mechanism of Action
Contraindications/Precautions	Monitoring/Therapy Management
Adverse Reactions/Events	Preparations/How Supplied
Pregnancy/Lactation	No drug monograph was used

#4 - The following are common tools within a drug database. Select ALL tools used to collect pharmacotherapy information:

Interactions	Patient Education	Other:
Drug Identification	Calculators	Other:
IV Compatibility	Other:	No tools were used

### NEW PRESCRIPTION

Stem Narrative: Jim Gleason approaches the pharmacy counter with a new prescription. His blood pressure has been persistently elevated and his cardiologist wants to add a second blood pressure lowering medicine. He would like to pick up his new prescription along with a refill on Rx #667211 in 1 hour. Perform a prospective drug utilization review and note the drug related problem on your answer sheet.

Medications Prescribed: \_\_\_\_\_

Dr. Paul Lacy – DPA – ALI472315  
618-555-1234 (Fax) 618-555-1111

Name: Jim Gleason Date: 9/27/2022  
Address: 14 Madison Ave., St. Louis, MO

Rx: Vasotec 5 mg 5 mg PO BID  
Drug: \_\_\_\_\_ Refill: 5  
Diagnosis Code: 110, Essential Hypertension

Dispense as Written \_\_\_\_\_  
Signature: Paul Lacy  
Note: Substitute \_\_\_\_\_

### PATIENT PROFILE

Patient Profile

Title: <input checked="" type="checkbox"/> Jim	First Name: Jim	Middle Initial: _____	Last Name: Gleason	Suffix: _____	Date of Birth: 04/23/1965	Gender: Male
Allergies:		Drug Allergy: Ramipril Reaction: Angioedema		Date of Reaction: Unknown		Reported By: Patient
Third Party:		Carrier: Cougar Scripts	BIN: 605124	PCN: SIUE	ID: 1234567890	Group: SIUESOP Relationship Code: 02 - Spouse
Medication Profile						
Fill Date:	RX Number:	Medication:	Sig:	Qty:	Prescriber:	Written Date:
09/20/22	673961	Amlodipine 10mg Tab	1 tablet by mouth daily	30	Jamie Murphy	3/07/23/22 Active
08/28/22	667211	Atorvastatin 10mg Tab	1 tablet by mouth daily	30	Jamie Murphy	4/07/23/21 Active
09/20/22	667211	Atorvastatin 10 mg Tab	1 tablet by mouth once daily	30	Jamie Murphy	2/11/01/21 Active
07/23/22	667211	Amlodipine 10mg Tab	1 tablet by mouth daily	30	Jamie Murphy	5/03/01/21 Active
06/29/22	667211	Atorvastatin 10 mg Tab	1 tablet by mouth once daily	30	Jamie Murphy	3/11/01/21 Active

Print Options Rx Details Rx Notes Refill Rx DUR Rx Deactivate Price Quotes  
Transmission Status: Complete Pharmacist Initials: MW Store: 0229

### CONCLUSION

- Revision(s) to instructional approach(s) with utilization and navigation of pharmacotherapy resources is needed.

### References

- Gupta, Vasudha et al. "Assessment of Drug Utilization Review Activities Within United States Colleges of Pharmacy." Currents in pharmacy teaching & learning. 13.5 (2021): 520–525. Web.

New Assessment Tool Sections	Lab Session	Summative Assessment
Drug Related Problem Accuracy	93.2%	89.2%
New Prescription	51.4% to 89.2%	64.8% to 81.1%
Patient Profile	38.4% to 94.5%	5.5% to 72.6%
Pharmacotherapy Resources – Utilization of 2 or more resources	21.9%	2.7%
Drug Monograph Sections – Utilization of 3 or more sections	63.0%	32.4%