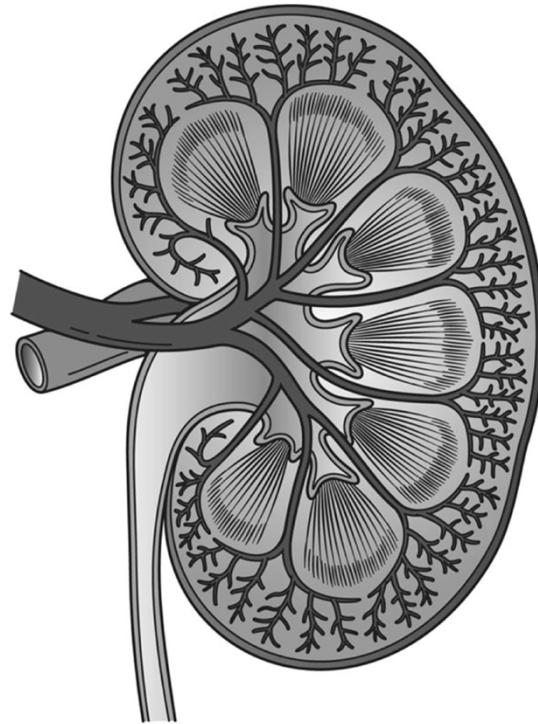# Lab # 8 Chronic Kidney Disease – Mock Inpatient Rounds

# Scenario:

**You are a DPH-4 student on the first day of your rotation on the General Medicine unit. Here is your schedule for today:**
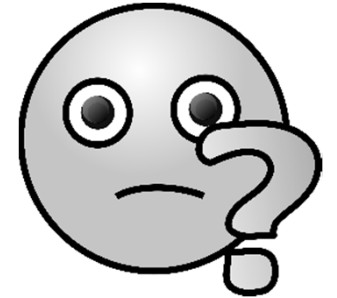
- Work up patient assigned to you by preceptor
- Make recommendations to your Pharmacist Preceptor
- Make recommendations on rounds to Provider

# Two Lab Stations

Station #1: Present to Pharmacist Preceptor
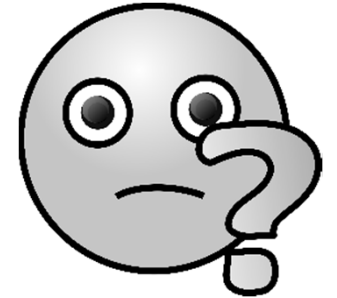
Station #2: Present to Provider

# Who is my patient?

- View form: **CKD Lab Assignments** in Moodle

| | Group Name | Case #1 | Case #2 | Case #3 | Case #4 | Room Number |
|---|---|---|---|---|---|---|
| **Arrive to lab at 7:45AM** Rm 2330 | | | | | | |

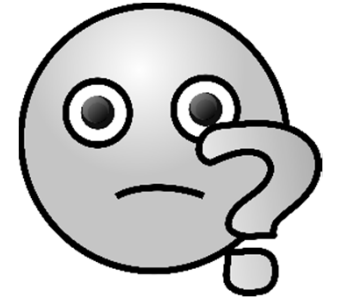| | Group Name | Case #1 | Case #2 | Case #3 | Case #4 | Room Number |
|---|---|---|---|---|---|---|
| **Arrive to lab at 9:00AM** Rm 2330 | | | | | | |

# Who is my patient?

- View form: **CKD Lab Assignments** in Moodle



Chronic Kidney Disease Case 1 ☐

Chronic Kidney Disease Case 2 ☐

Chronic Kidney Disease Case 3 ☐

Chronic Kidney Disease Case 4 ☐

**Only work up the ONE case that you are assigned!**

# Who is my patient?

- View form: **CKD Lab Assignments** in Moodle

| | |
|---|---|
| **Name:** John Tucker<br>**MRN:** 84256364<br>**DOB:** 2/16/1932<br>**Sex:** Male<br>**Race:** Caucasian | **Allergies/ADRs:** NKDA<br>**Primary Care Provider:** S. Hanson<br>**Contact Information:** 500 N Meadow Ln, Madison, WI 53705<br>**Phone:** (608) 566-1784 |

| Admitting Diagnosis | Active Problems | Outpatient Medications | Inpatient Medications |
|---|---|---|---|
| Labs | Note - Dr. Anderson (Yesterday) | Note- G1 (Today) | Note-Dr. Anderson (Today) |

**Goal: Identify top <u>FOUR (4)</u> Drug Related Problems**

# How do I prioritize DRPs?
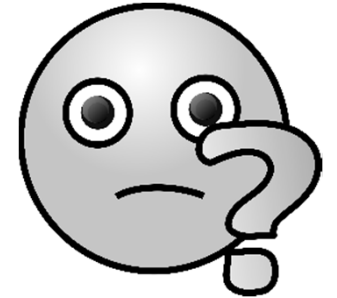
**DRP Categories:**
Unnecessary drug therapy

Needs additional therapy

Duplication of therapy

Wrong / Ineffective drug

Adverse drug reaction

Drug interaction

Dosage too low

Dosage too high

Nonadherence

# How do I prioritize DRPs?

**DRP Categories:**

Unnecessary drug therapy

Needs additional therapy

Duplication of therapy

Wrong / Ineffective drug
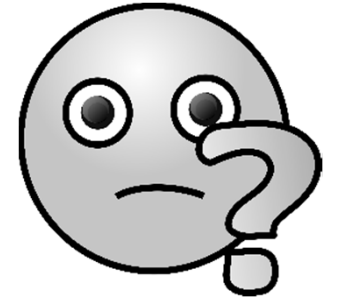
Adverse drug reaction

Drug interaction

Dosage too low

Dosage too high

Nonadherence

• Group: high priority items first, medium second, and low-priority items last in the document.

• Consider **high and medium priorities** DRPs that you feel you need to intervene on now. Prioritize high- and medium- items by considering the criticality and safety to the patient.

• Consider **low priority** items as recommendations/interventions that will need to be made at the time of discharge. They may be important to patient safety, but given the current situation of the patient, would be more appropriate to recommend when the patient has stabilized and is preparing for discharge home.

# How do I prioritize DRPs?
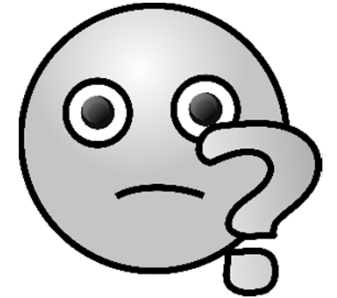
- View form: **CKD Lab Assignments** in Moodle
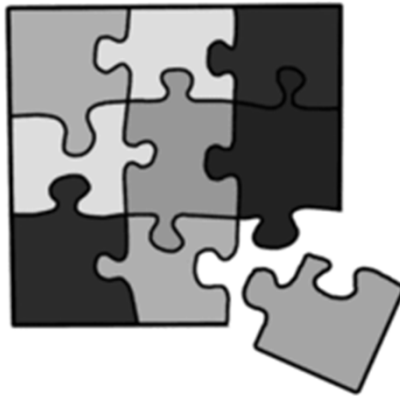
**Multiple disease states- Idea is to review patient chart and put pieces together (just like in practice!)**

# Two Lab Stations

Station #1: Present to Pharmacist Preceptor

Station #2: Present to Provider

# Two Lab Stations

Station #1: Present to Pharmacist Preceptor

Station #2: Present to Provider

# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharmacist preceptor PRIOR to rounding with provider

## In Lab:

**Setup**: You will present your patient individually, and will have **Seven Minutes** to present. You will listen to your group-members present as well.

**Purpose**: Discuss patient with licensed pharmacist, collaborate, and share information

# Station #1: Pharmacist Preceptor

**DRP Categories:**

Unnecessary drug therapy

Needs additional therapy

Duplication of therapy

Wrong / Ineffective drug

Adverse drug reaction

Drug interaction

Dosage too low

Dosage too high

Nonadherence

## 1. Identify DRP

## 2. Resolve DRP

# Station #1: Pharmacist Preceptor

**DRP Categories:**

Unnecessary drug therapy

Needs additional therapy

Duplication of therapy

Wrong / Ineffective drug

Adverse drug reaction

Drug interaction

Dosage too low

Dosage too high

Nonadherence

## 1. Identify DRP

Drug-Related Problem #1 (description):

⟶ Include drug name, strength, dosage form, route

Pertinent PE data (for DRP #1):

Pertinent labs w/ evaluation (for DRP #1):

Assessment of drug-related problem (for DRP #1):

## 2. Resolve DRP

Plan (for DRP #2): ⟶ Include drug name, strength, dosage, dosage form, route, meds to start, meds to stop, etc.

# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharmacist preceptor PRIOR to rounding with provider

Arrive to lab at 7:45AM Rm 2330

| Group Name | Case #1 | Case #2 | Case #3 | Case #4 | Room Number |
|---|---|---|---|---|---|
| | | | | | |

Arrive to lab at 9:00AM Rm 2330

| Group Name | Case #1 | Case #2 | Case #3 | Case #4 | Room Number |
|---|---|---|---|---|---|
| | | | | | |

# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharmacist preceptor PRIOR to rounding with provider

## Pre-lab:

**Fill out form**: Patient Case Presentation: A Problems Based Approach

# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharmacist preceptor PRIOR to rounding with provider

## Pre-lab:

**Fill out form**: Patient Case Presentation: A Problems Based Approach

**Patient Case Presentation Guides**

Patient Case Presentation: Systems Based Approach

→ Patient Case Presentation: A Problems Based Approach

## Presentation of the Patient Case
*Adapted from the Pharmacy Practice Manual, 2nd ed, Larry E. Boh, ed.*

During this lab, you will be presenting your patient case to a physician. Essential information to present includes:

A.      Demographic data – age, sex, race, weight, and service patient is on.

B.      Chief complaint – reason for patient's visit.

C.      History – includes present illness (HPI), past medical history (PMH), social history (SH), and family history (FH). Briefly, all illnesses, surgical procedures, and previous hospitalizations that have a direct effect on the present illness should be listed.

D.      Medications and Allergies / ADRs – list relevant information that was obtained during the medication history. Include length of treatment. Identify allergic or adverse drug reaction, how treated, if patient rechallenged.

E.      Pertinent physical exam data. Ex. – Abnormal exam in a patient with congestive heart failure may include the presence of 3+ ankle edema, +HJR, +JVP, and presence of rales in both lung fields. Pertinent negatives should be included also. Ex – Normal rate and rhythm in a patient admitted to R/O MI.

F.      Pertinent laboratory values. Ex – in a patient with anemia the data may include Hgb 8 g/dL, HCT 25%, MCV 75$\mu m^3$, MCHC 25 g/dL, serum iron 30 mcg/dL, TIBC 400 mcg/dL. Again, pertinent negatives also.

G.      List the each of the Patient's Drug-Related Problems in an Assessment

H.      Initial plan for treatment (include medication name, dose, route, and frequency), including monitoring parameters (effectiveness / toxicity). It is also recommended to have a back-up recommendation ready.

I.      Special issues or interventions you recommend to optimize this patient's care.
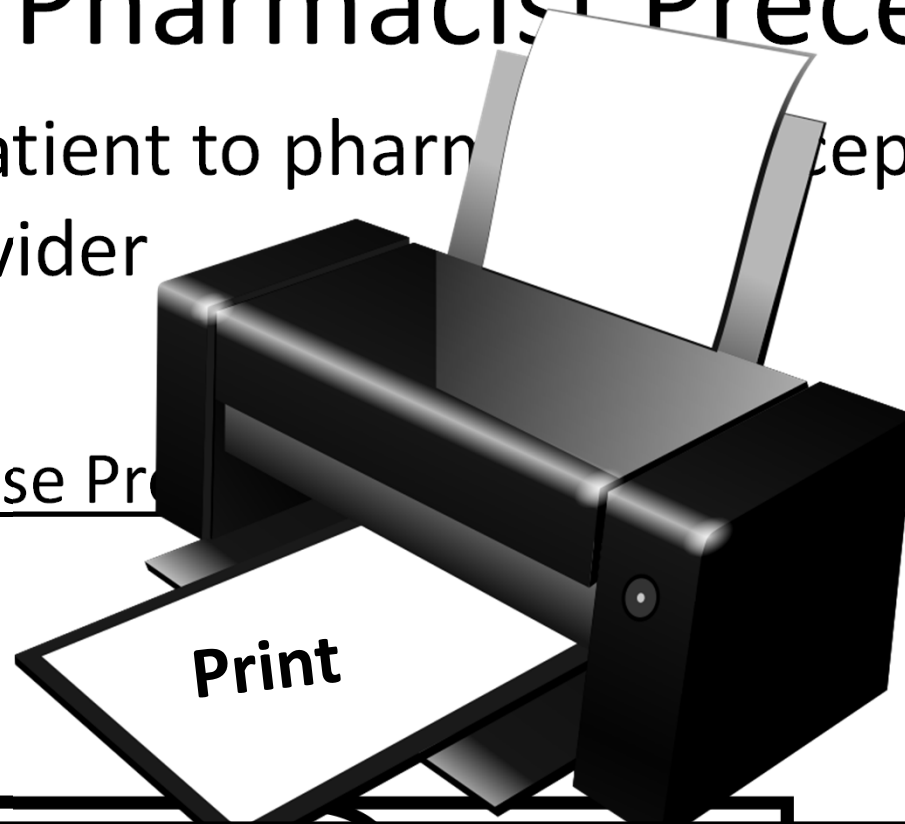
# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharm[acist pre]ceptor PRIOR to rounding with provider

## Pre-lab:

**Fill out form**: Patient Case Pr[esentation B]ased Approach

**Print**

You can bring this sheet with you into the preceptor and provider stations. Please do not bring in other pieces of paper.

# Station #1: Pharmacist Preceptor

**Goal:** Present your patient to pharmacist preceptor PRIOR to rounding with provider

**Use feedback provided by preceptor for the next station (write down key labs, information, etc.)**

# Two Lab Stations

Station #1: Present to Pharmacist Preceptor

Station #2: Present to Provider

# Two Lab Stations

Station #1: Present to Pharmacist Preceptor

Station #2: Present to Provider

# Station #2: Present to Provider

**Goal:** Present your patient to Provider

## In Lab:

**Setup**: You will present your patient individually, and will have **Five Minutes (5)** to present. You will listen to your group-members present as well.

**Purpose**: Make recommendations to provider and determine next-steps.

# Station #2: Present to Provider

**Goal:** Present your patient to Provider

## Pre-Lab:

**Setup**: Use the form: **Healthcare Provider Interaction Assessment Form** as a template. The grading rubric has been designed from this form.

**Assessment Tools/Rubrics**

- Communication Rubric in a Patient Encounter
- Consultation Evaluation Rubric
- → Healthcare Provider Interaction Assessment Form
- ID and Prioritization of Drug-Related Problems (DRPs) Rubric
- Medication History Assessment Communication Form
- Medication History Assessment Documentation Form
- Patient Education Evaluation Form
- SBAR Documentation Rubric
- SOAP Note Grading Rubric

**Provider Interaction Assessment Form**

Assigned Case: _____

| Patient Presentation to Pharmacy Preceptor (ID of DRPs) (IF APPLICABLE to CASE Appropriately identifies (ID) and resolves drug-related problems (DRPs) | ID of DRP | | | Resolution of DRP | | |
|---|---|---|---|---|---|---|
| | Yes [2] | Partial [1] | No [0] | Yes [1] | Partial [0.5] | No [0] |
| • ID of DRP #1  Resolution of DRP #1 | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| • ID of DRP #2  Resolution of DRP #2 | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Total points/column: | | | 0 | | | 0 |
| Total score from ID and Resolution of DRPs: _____ / # possible points | | | | | | |

**SITUATION**

| | No[0] | Partial[0.5] | Yes[1] |
|---|---|---|---|
| Introduces him/herself appropriately using name and title (if applicable) | ☐ | ☐ | ☐ |
| Identifies name of patient to be discussed | ☐ | ☐ | ☐ |
| Confirms secondary identifier (birth date OR address) (if applicable; e.g. when interaction results in medication order change) | ☐ | ☐ | ☐ |
| Describes the situation (reason for initiating interaction) | ☐ | ☐ | ☐ |

**BACKGROUND/ASSESSMENT**

| | No[0] | Partial[1] | Yes[2] |
|---|---|---|---|
| Provides pertinent patient clinical information (HPI, abs, PE, allergies, concomitant medications, etc.) | ☐ | ☐ | ☐ |

# Bonus Station! Tasting Station
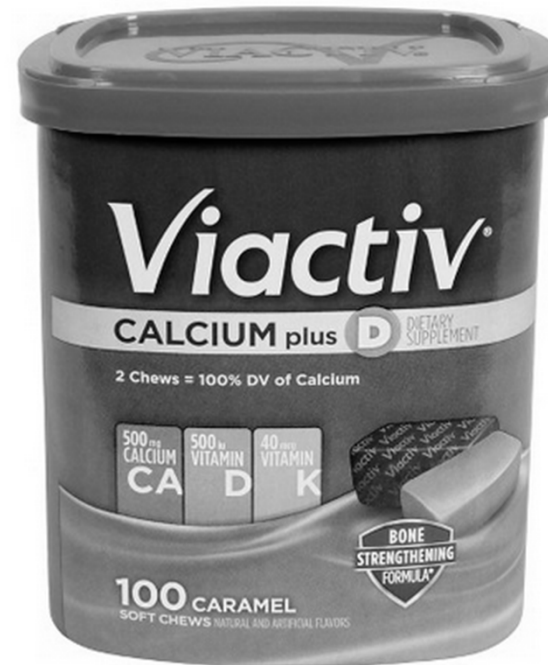
# One last thing...

Quiz: Pharmacokinetics Screening Program

**CKD Lab: Mock Pharmacy Rounds and Tasting Station**
December 12 - December 15, 2016
0745-1045

**Objectives:**

1. Evaluate a patient case to identify and resolve potential or actual drug-related problems
2. Using the problem's based approach, discuss with a preceptor and provider medication-related problems and associated therapy recommendations.
3. Document identified drug-related problems and the interventions implemented to resolve them.

**Pre-lab Activities:**

1. Review:
   a. **Video: Lab Preparation Tutorial-** This is your pre-lab tutorial. Be sure to review!
   b. CKD 728-655 lecture notes
   c. Presenting a Patient Case Tutorial: A Problems-Based Approach located under CKD Lab (optional to view)
2. Complete the **Pharmacokinetic Screening Program Quiz** (Credit/No Credit Activity)

Lab Station 1: Present to Pharmacist Preceptor

3. View document: **CKD Lab Assignments** posted in moodle to determine your assigned patient case. This document will also state your lab start time.
   a. You will be assigned to review ONE of the four Chronic Kidney Disease Cases in moodle. You will only need to assess and work-up your one assigned patient.
   b. For your patient, Identify the top FOUR drug-related problems and prepare to present these problems to your pharmacist preceptor. To structure your presentation, fill out the form: **Pt Case Presentation Guide & Worksheet: A Problems-Based Approach** and submit to moodle. (Credit/No Credit Activity) I would recommend printing this sheet and bringing with you to lab, as you can use this sheet to present your patient both to your pharmacist preceptor and provider.

# Lab # 8 Chronic Kidney Disease – Mock Inpatient Rounds