

## **Student Experience: Ridgefield Pharmacy and Packaging Center**

### **Day 1: 9:00am – 4:30pm**

- Facility tour
- Discuss objectives of rotation
- Self-directed student learning
  - Topic/assignment packet provided for student to research
    - FDA rules and regulations
- Discuss topic packet after student has completed assignments
- Management overview
  - Meet with Josh Powell for an understanding of pharmacy supply chain management

### **Day 2: 9:00pm – 4:30pm**

- Self-directed student learning
  - Topic/assignment packet provided for student to research
    - USP 797/800
- Discuss topic packet after student has completed assignments
- “Errors and Omissions” exercise
- Opportunity for observation and participation in daily activities if time and staffing permits
  - Shadow IV room technician
  - Shadow unit dose packaging technician
  - Shadow/assist pharmacist with checking mass production

**FDA RULES/REGULATION QUESTIONS**

**What type of pharmaceuticals does the FDA have regulatory authority over?**

**Define “adulterated drug”**

**Define “Misbranded” as it pertains to pharmaceuticals**

**What is required on a manufacturer’s label for a bulk bottle of a prescription drug?**

**What is required on a manufacturer’s label for a non- prescription (OTC) drug?**

**What must a direct to consumer TV ad for a prescription medication contain/convey?**

**Does the FDA regulate the expiration date of a repacked medication (from bulk bottle to unit dose) in a pharmacy setting? Commercial setting**

**What are the expiration requirements for a unit dose repackaged oral solid medication in a pharmacy setting**

**How do we know we are not a manufacturing pharmacy when we mass produce IV medications?**

**What is the expiration date of a bulk liquid medication once the bottle is opened?**

**What percent variance can a compounded drug have versus its labeled strength/concentration?**

## Errors and Omissions

**Dr. David Lancaster**

76 Atlanta Road

Atlanta, GA 88888

(404) 555-3332

Patient Linda Wallace Date 3/03/XX

Address 85 Lincoln Street, Marietta, GA 30060

*HCTZ 25mg*

1 po QID

230

## 11 Refills

Rx 789456

RPh: RP

Disp Date: 03/03/XX

Quantity: #30

2. 400469 74.2

**Mercer Community Pharmacy**  
3001 Mercer University Drive, Atlanta, GA 30341  
(678) 547-6000

Rx #789456

Disp: 3/03/XX

Orig: 3/03/XX

**Linda Wallace**

Take 1 tablet by mouth four times a day

Qty. #30      Hydrochlorothiazide 25mg tablet

Mig. Ipea

Discard after: 3/02/XX

## 11 Refills

Dr. D. Lancaster

 $RPh:RP$ 

**Caution:** Federal law prohibits the transfer of this drug to any other person than the patient for whom it was prescribed.

NDC 54458-941 10

# Hydrochlorothiazide

## Tablets, USP

25 mg

Rx only

See the accompanying drug information sheet for full drug information

Depress tab and pull dotage card out.  
**DO NOT SEPARATE FROM PLASTIC SHELL**

**Contains one dosage card  
of 30 tablets**

25 mg 25 mg 25 mg

Each tin:  
Hydrocort  
**WAFIN**  
**KEEP OFF**  
**TAMPER**  
package  
to be dis-  
posed of  
**CHILD-  
R**  
Card No. 1  
in case of  
Emergency  
the USPT.  
Store at 21  
Cortland  
Maine  
bush 1301  
48 March  
March 4

Dr. David Lancaster

76 Atlanta Road

Atlanta, GA 88888

(404) 555-3332

Patient Linda Wallace

Date 3/03/XX

Address 85 Lincoln Street, Marietta, GA 30060

*HCTZ 25mg*

*1 po daily*

*#30*

*11 Refills*

Rx 789456

RPh: RP

Disp Date: 03/03/XX

Quantity: #30

*D. Lancaster M.D.*

**Mercer Community Pharmacy**

**3001 Mercer University Drive, Atlanta, GA 30341**

**(678) 547-6000**

**Rx #789456**

Disp: 3/03/XX

Orig: 3/3/XX

*Linda Wallace*

Take one (1) tablet by mouth daily

Qty: #30 **Hydrochlorothiazide 25mg tablet**

Mfg: Heritage

Discard after: 3/02/XX

11 Refills

Dr. D. Lancaster

RPh: RP

*Caution: Federal law prohibits the transfer of this drug to any other person than the patient for whom it was prescribed.*

NDC 23155-139-01

**Hydrochlorothiazide  
Tablets, USP**

**50 mg**



100 Tablets (Light Orange)

Rx only

**Heritage**

Linda West MD  
123 Main St. Suite A  
Atlanta, GA 30338  
(770)-123-4567

Patient Oscar Meyer

Date 03/01/XX

Address 123 Sesame St. Atlanta, GA 30039

Rx 912356

RPh: JL

Disp Date: 03/01/XX

Quantity: #120

Methadone 10 mg

#120

1 PO QID for pain

0 Refills

*Send to PharmD  
3/1/XX*

*L West MD*

Mercer Community Pharmacy  
3001 Mercer University Drive. Atlanta, GA 30341  
(678) 547-6000

Rx #912356

Disp: 03/01/XX

Orig: 03/01/XX

Oscar Meyer

Take one (1) tablet by four times daily for pain

Qty: #120 Methadone 10 mg tablet

Mfg: Mallinckrodt

Discard after: 02/28/20XX

0 Refills

Dr. L West

RPh: JL

Caution: Federal law prohibits the transfer of this drug to any other person than the patient for whom it was prescribed.

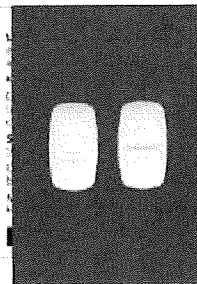
6DC 0406-5771-01 100 TABLETS

**METHADONE  
HYDROCHLORIDE**   
TABLETS USP

10 mg

Each tablet contains:  
Methadone Hydrochloride USP ... 10 mg  
Rx only

Mallinckrodt



Dr. Ron Arnold  
5689 S. Main Road  
Atlanta, GA 30339  
(770) 865-2323

Patient Michael Turner Date 5/2/XX  
Address 555 Windy Road, Atlanta, GA 30393

*Lasix 20 mg tabs*  
#30  
1 PO QD

Rx 1234566  
RPh: BA  
Disp Date: 5/2/XX  
Quantity: #30

11 Refills

R. Arnold MD

DEA BR 1234563

<b>Mercer Community Pharmacy</b> 3001 Mercer University Drive, Atlanta, GA 30341 (678) 547-6000	
Rx # 1234566	
Disp: 5/2/XX	Orig: 5/2/XX
<b>Michael Turner</b>	
Take one tablet by mouth daily	
Qty: #30	<b>Torsemide 20 mg tablets</b> <i>Substituted for Lasix</i>
Mfg: Apotex	Discard after: 5/1/XX
11 Refills	Dr. R. Arnold
RPh: BA	
<i>Caution: Federal law prohibits the transfer of this drug to any other person than the patient for whom it was prescribed.</i>	



Dr. David Vaughn Hester

76 Atlanta Road

Atlanta, GA 88888

(404) 555-3332

Patient Josephine Wallace Date 5/2/XX

Address 85 Lincoln Street, Marietta, GA

Neurontin 300 mg caps

1 po TID

#90

0 Refills

Rx 123490

RPh: HA

Disp Date: 5/2/XX

Quantity: #90

D. V. Hester M.D.

DEA BH1234563

Mercer Community Pharmacy

3001 Mercer University Drive, Atlanta, GA 30341

(678) 547-6000

Rx #123490

Disp: 5/2/XX

Orig: 5/2/XX

Joseph Wallace

Take one (1) capsule by mouth three times daily.

Qty: #90 Gabapentin 300 mg capsules

Substituted for Neurontin

Mfg: Greenstone

Discard after: 5/1/XX

0 Refills

Dr. D.V. Hester

RPh: HA

Caution: Federal law prohibits the transfer of this drug to any other person than the patient for whom it was prescribed.

NDC 59762-5027-1  
100 Capsules

GREENSTONE BRAND

**gabapentin**  
capsules

**300 mg**

R<sub>only</sub>



Errors and Omissions

Rocaphen 1gm IV Q8H

Dx: UTI

80 yo ♀ 68 inches 140 pounds CrCl 45 ml/min

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MTX 15mg PO Daily

Dx. RA.

50 yo ♂ 70 inches 210 pounds CrCl 85 ml/min

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Pulmicort 180mg Inhaler

2 puffs Q4H PRN

Dx Asthma

16 yo ♂ 66 inches 105 pounds CrCl 150 ml/min



Errors and Omissions

Catapress 1mg PO Q4H PRN  
SBP > 160 or DBP > 100

DX: HTN

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85 yo ♂ 72 inches 190 pounds CrCl 50 mL/min

Warfarin 2.5mg PO Qam and 5mg PO @ 4:00pm  
PT/INR in 2 weeks

DX: DVT

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60 yo ♀ 69 inches 180 pounds CrCl 80 mL/min

Trazadone 500mg PO QHS PRN sleep

DX: Insomnia

35 yo ♀ 66 inches 130 pounds  
CrCl 120 mL/min