

HEART FAILURE

Estimated Time: 60 minutes



Scan to Begin



Patient Name: Paul Foster

CASE STUDY OVERVIEW

Paul Foster is the grandson of Henry Foster. Henry was visiting his grandson from out of town when he had an exacerbation of end-stage heart failure and COPD. Henry was discharged from the hospital a few hours ago.

At the beginning of this case study, Paul presents a copy of Henry's insurance card and discharge prescription orders to a retail pharmacy to be filled. Students must correctly gather these prescriptions from the shelves of the ARISE Virtual Pharmacy. Once completed, they see a video of the Paul who is shocked and angry at the cost of these medications. Students must choose how to respond.

LEARNING OBJECTIVES





1. Follow established state and federal regulations for the dispensing of medications from a retail pharmacy
2. Review customer discharge medication orders and insurance information for accuracy
3. Accurately fill prescription medication orders
4. Demonstrate professional behavior during all interactions

CURRICULUM MAPPING

WTCS PHARMACY TECHNICIAN PROGRAM OUTCOMES

- Demonstrate personal/interpersonal knowledge and skills in the practice of pharmacy
- Demonstrate foundational professional knowledge and skills for the practice of pharmacy
- Prepare prescriptions/medication orders and pharmaceutical products for dispensing, distribution, and disposal
- Compound sterile and nonsterile medications
- Follow established policies and procedures for procurement, billing, reimbursement, and inventory management
- Utilize pharmacy technology and informatics
- Adhere to state and federal regulations governing the practice of pharmacy
- Apply the principles of quality assurance to the practice of pharmacy

QR CODES

PATIENT	REPORT	FACILITATOR	PHARMACIST
			

<p>ASPIRIN</p> 	<p>LISINAPRIL</p> 	<p>SPIRONOLACTONE</p> 	<p>COUMADIN</p> 
<p>ATORVASTATIN</p> 	<p>DILTIAZEM ER</p> 	<p>LEVOTHYROXINE</p> 	<p>NITROGLYCERIN</p> 
<p>CARBIDOPA & LEVODOPA ER</p> 	<p>GLIPIZIDE & METFORMIN</p> 	<p>SPIRIVA</p> 	<p>MUPIROCIN OINTMENT</p> 
<p>ALBUTEROL</p> 	<p>PULMICORT</p> 	<p>TESTOSTERONE</p> 	<p>VIROPTIC</p> 
<p>MILK OF MAGNESIA</p> 	<p>DUCOSATE SODIUM</p> 	<p>ASPIRIN</p> 	

FACILITATOR INSTRUCTIONS


This case study was designed as an interactive classroom or group experience and should be facilitator lead. While students can do many of the activities individually or in small groups, you should be aware that throughout the simulation some QR codes are necessary to the programming of the iPad content. Directions for which QR codes are required are listed in the documentation below. The QR codes are also in **BOLD** type.


Level tab – This tab “tells” the content in the iPad to change to what is needed for the next state of a simulation.

Medication QR Codes – All medications on the discharge orders are scannable – see QR Codes listed above. When a medication scanned, students see a realistic medication label as well as a hyperlink that will take them to DailyMed, a medication reference housed by the National Library of Medicine. There they can review up-to-date medication content, labels, and package insert information.

TEACHING PLAN

STATE 1

iPad Prompts		Facilitator Prompts & Discussion Points
1.	Explain how the iPad works and the general instructions for this case study.	<ul style="list-style-type: none"> See “Facilitator Instructions” above
2.	Scan the start code.	
3.	View the “Meet Your Patient” plaque	<ul style="list-style-type: none"> This is an image of our “patient” for this case study.
4.	Discuss the “Learning Objective(s)”	<p>LEARNING OBJECTIVES</p> <ol style="list-style-type: none"> Follow established state and federal regulations for the dispensing of medications from a retail pharmacy Review customer discharge prescription medication orders and insurance information for accuracy Accurately fill retail prescription medication order Demonstrate professional behavior during all interactions
5.	View “Patient” video	<p>POSSIBLE DISCUSSION POINTS</p> <ul style="list-style-type: none"> What are your priorities for this customer? Discuss established policies and procedures for an initial customer interaction at a retail pharmacy. Discuss established policies and procedures for a customer that is new to a pharmacy. Are there any considerations given that the patient is not initiating the visit?

<p>6.</p>	<p>View the Discharge Orders</p>	<ul style="list-style-type: none"> • Tap continue after the patient video. The customer’s Discharge Orders are located under the Discharge Orders tab or a printable version is located in Appendix A. Facilitator Note: Printed copies may be helpful when students are retrieving medications from the ARISE Virtual Pharmacy shelves. <p>POSSIBLE DISCUSSION POINTS</p> <ul style="list-style-type: none"> • Review the orders for accuracy. <ul style="list-style-type: none"> ○ Do you have any concerns? If so, what are they? • Discuss the customer information that should be included in a pharmacy database. How will you get this information since this is a new patient? • Discuss items that can only be addressed by a Pharmacist. • Discuss the OTC medications that are listed on the Discharge Orders.
<p>7.</p>	<p>View the Insurance Card</p>	<ul style="list-style-type: none"> • The customer’s insurance card is displayed under the Insurance Card tab or a printable version is located in Appendix B. <p>POSSIBLE DISCUSSION POINTS</p> <ul style="list-style-type: none"> • Review the insurance information for accuracy. <ul style="list-style-type: none"> ○ Do you have any concerns? If so, what are they? • Discuss potential insurance-related complications as well as solutions for those issues. • Are there any insurance concerns given that Henry is from out of town? • Discuss what may be different if the patient had Medicare or Medicaid.
<p>8.</p>	<p>To advance the iPad to State 2, use the Scanner tab to scan QR Code: Facilitator.</p>	

- After **QR Code: Facilitator** is scanned, students will receive a message that reads, “You have been approved to proceed.”

STATE 2

iPad Prompts		Facilitator Prompts & Discussion Points
9.	Fill the Medication Order	<ul style="list-style-type: none"> The iPad displays a plaque that reads, “Please fill this medication order from the shelves of the ARISE Virtual Pharmacy.” When students tap continue, the iPad automatically advances to the shelves of the ARISE Virtual Pharmacy.
10.	Select ordered medications from the shelves of the ARISE Virtual Pharmacy	<ul style="list-style-type: none"> Students are to fill the medication orders using the patient’s “Discharge Orders” and the shelves of the ARISE Virtual Pharmacy. Note: The shelves do not include OTC medications. In addition, the ARISE Virtual Pharmacy can be accessed at any time during the scenario using the Virtual Pharmacy tab. The shelves are “hot spots.” By tapping on a shelf, students will see all of the available medications. Tapping on a medication within a shelf, will tell the iPad to add that medication to the pharmacy order. Each shelf must be 100% correct before those medications will be added to the order. Students cannot select some of the required medications from the first shelf, go to another shelf, and then go back to the first shelf to add more medications. Students can leave a shelf and come back to it later, but nothing is saved. When students tap on a medication and then tap “Add,” the iPad will give instructions. If an incorrect amount of medications was selected (ie: a shelf has 3 medications needed for the order and the student only selects 2 of the 3 medications), the iPad reads, “<i>You have selected an incorrect amount of medications. TRY AGAIN.</i>” If the correct number of medications was selected, but the medications are wrong, the iPad reads, “<i>You have selected one or more incorrect medications to add to the order. TRY AGAIN.</i>” When students select BOTH the correct amount of medications and the exact medications required from the Discharge Orders, the iPad reads, “<i>You have added the selected medication(s) to the order. CONTINUE.</i>” Then, students should tap the Home button to continue to other shelves. Note: Students must have each shelf completely correct before the medications are added to the order. The iPad will

not add medication from a shelf that is only partially correct.

- The “Controlled Substance” shelf requires approval before students can select the required medications. When students tap on that shelf, the iPad reads, “*You need permission from the Pharmacist to access this area. Please see your Facilitator. CONTINUE.*” After **QR Code: Pharmacist** is scanned, students can enter that shelf and select the required medications. See Discussion Topics and Questions below.

- QR Code: Pharmacist



- Note: Coumadin is ordered at 3 mg, but only 1 mg tablets are available in the pharmacy. Pulmicort inhalation solution is ordered, but only Budesonide is available in the pharmacy. See Discussion Topics and Questions below.
- Students can view the medications added to the order by tapping the “View Added Medications” button located at the bottom of the ARISE Pharmacy Home screen. This will allow them to check the current order against the Discharge Orders at any time during the selection process.
- Students can look up the medications in each shelf by tapping on the “Medication Reference Website” button located on the bottom of the screen in each shelf. This will take students to the DailyMed website. To reenter the ARISE Virtual Pharmacy, students must tap the Virtual Pharmacy tab.
- When students think they have added all of the correct medications to the order, they should tap the “Verify Selections” button located at the bottom of the ARISE Pharmacy Home screen. If the order is wrong, the iPad reads, “*One or more of your selections was incorrect, please try again. CONTINUE.*” When the order is correct, the iPad reads, “*The ARISE Pharmacist has verified your order is correct. You will progress automatically in a moment.*”

- **Facilitator Note:** The correct medications located on each of the ARISE Virtual Pharmacy shelves are located in Appendix D.
- **Facilitator Note:** You can advance the scenario to State 3 at any time by scanning **QR Code Facilitator**. This will bypass the ARISE Virtual Pharmacy and show the “Completed Medication Order” which is the Beginning of State 3.



POSSIBLE DISCUSSION POINTS

- Discuss state and federal regulations as well as policies & procedures related to Controlled substances.
- Discuss the Coumadin and Pulmicort orders.
- How do you fill medications that are not available in the pharmacy as the order is written?
- Discuss potential insurance-related complications as well as solutions for those issues.

STATE 3

iPad Prompts		Facilitator Prompts & Discussion Points
11.	Review the “Completed Medication Order”	<ul style="list-style-type: none"> • A “Completed Medication Order” is displayed on the iPad and a printable version of the Completed Medication Order is located in Appendix C. • Facilitator Note: This order shows the OTC medications that are still needed. <p>POSSIBLE DISCUSSION POINTS</p> <ul style="list-style-type: none"> • Discuss the label and instructions needed for the Coumadin order. • Discuss DAW codes and relate that to the Budesonide for Pulmicort substitution. • Discuss policies & procedures related to assisting customers with OTC medications.
12.	View “Patient” video	<ul style="list-style-type: none"> • This is a video of the Grandson reacting to the cost and number of medications he was prescribed. • When students tap continue, a multiple-choice question follows.
13.	Review multiple choice question & answers	<ul style="list-style-type: none"> • Question: How should you respond to this customer? Please select the most correct response. <ul style="list-style-type: none"> ○ Response A: Ask the Pharmacist to assist with the customer. ○ Response B: Explain that the medications are prescribed by his Provider and that they are all necessary. ○ Response C: Offer him advice on how to get discounted medications. ○ Response D: All of the above are correct. Note: This is the correct answer and students will receive a message that reads, “Scenario objectives have been met. You may exit the scenario.” <p>POSSIBLE DISCUSSION POINTS</p> <ul style="list-style-type: none"> • Discuss all of the answers above and give rationale as to how all are correct according to national standards.

14. End Scenario

- Students can exit at any time by tapping the Exit tab and following instructions.
- Please have each student complete the provided survey.

SURVEY

Print this page and provide to students.

Students, please complete a brief (2-3 minute) survey regarding your experience with this ARISE simulation. There are two options:

1. Use QR Code: Survey
 - a. Note: You will need to download a QR Code reader/scanner onto your own device (smartphone or tablet). There are multiple free scanner apps available for both Android and Apple devices from the app store.
 - b. This QR Code will not work in the ARIS app.




5. Copy and paste the following survey link into your browser.
 - a. https://ircvtc.co1.qualtrics.com/SE/?SID=SV_6Mwfv98ShBfRnBX

APPENDIX A

Patient Name	DOB	MR#
Henry Foster	9/3/19XX	41219
Allergies	Height (cm)	Admission Weight (kg)
Peanuts	178	105

Discharge Medications and/or Prescriptions

Date and Time:		Community Pharmacy Name:				Contact Information:			
Today – 1 hour ago		ARISE Community Pharmacy				1-800-555-5555			
Check all that apply:		<input type="checkbox"/> Send to Community Pharmacy <input type="checkbox"/> Send to receiving facility <input checked="" type="checkbox"/> Send copy with patient				<input type="checkbox"/> Send to Primary Care Physician <input checked="" type="checkbox"/> Provide patient education prior to discharge			
Continue = unchanged medication, provide only if patient requires medication Changed = medication was changed during hospitalization (dose, route, frequency) New = new medication started during hospitalization						Notes:			
Continue	Changed	New	Medication	Dose	Route	Frequency	Reason for new medication or change	Quantity	Refills
X			Aspirin	81 mg	PO	1 tablet daily	---		
	X		Lopressor	50 mg	PO	1 tablet daily	Persistent hypertension	30	12
		X	Spironolactone & Hydrochlorothiazide	25 mg/25 mg	PO	1 tablet daily	CHF with edema	30	12
X			Coumadin	3 mg	PO	1 tablet daily – M, W, F	---	15	12
X			Atorvastatin	20 mg	PO	1 tablet daily	---	30	12
X			Diltiazem ER	180 mg	PO	1 tablet daily	---	30	12
		X	Levothyroxine	25 mcg	PO	1 tablet daily – in AM	Persistent hypothyroidism	30	12
X			Glipizide ER	10 mg	PO	1 tablet daily – with breakfast	---	30	12
X			Lantus	100 units/ml	SUB CUT	1 vial daily – with breakfast	---	30	12
X			Compazine	25 mg	SUP	1 suppository two times daily	---	30	12
X			Nitroglycerin	0.2 mg/hr	TD	1 patch daily on for 12 hours, off for 12 hours	---	30	6

X			Milk of Magnesia	30 mg	PO	1-2 times/day PRN for constipation	---		
X			Docusate sodium	100 mg	PO	Up to 2 times/day PRN for constipation	---		
		X	Spiriva	18 mcg	INH	1 puff daily	Discontinued Duoneb	1	12
X			Pulmicort	0.25 mg/2 ml	INH	Nebulize 1 vial every 12 hours with albuterol (AM & PM)	---	1	12
		X	Albuterol	2.5 mg/3 ml	INH	Nebulize 1 vial every 12 hours with pulmicort (AM & PM), may also use up to every 3 hours as needed for wheezing or shortness of breath	Discontinued Duoneb	1	12
		X	Gentamicin sulfate	0.1 %	TOP	Apply small amount to affected area 3 times/day	LLL Cellulitis	1	0
X			Alprazolam	0.5 mg	PO	1 tablet up to three times per day for anxiety	---	1	0
X			Prednisone	5 mg	PO	1 tablet daily	---	30	6
		X	Codeine phosphate & Guaifenesin	10 mg/100 mg	PO		Persistent cough	1	0
 <p>Discontinued Home Medications Include prescribed and self-prescribed medications and REASON for discontinuing</p> <p>STOP TAKING THESE MEDICATIONS WHEN YOU LEAVE THE HOSPITAL</p> <ol style="list-style-type: none"> Duoneb – Changed to Spiriva and Albuterol Triple antibiotic cream – Changed to Gentamicin 							<p>Prescriber Signature: <i>Roger Hospita, MD</i></p> <p>Name (Print): Dr. Roger Hospita Discharging Unit: Medical 55ab Unit Phone: 555-555-5555</p>		

APPENDIX B

ARISE INSURANCE COMPANY

MEMBER NAME: Henry Foster
DOB: 09/03/19XX
MEMBER ID: 123ABC987654

MEMBER NUMBER: 123-456-789
GROUP NUMBER: 98765-4321
POLICY NUMBER: 1234ABCD

ARISE INSURANCE COMPANY

Customer Service: 1-800-555-5555
M-F, 8:00 am – 11:00 pm, Eastern Standard Time

Nurse Information Line: 1-800-555-5555
24 hours/day, 7 days/week

Provider Services: 1-888-555-5555

Submit Claims To:
PO Box 100
Anytown, USA 98765-4321



APPENDIX C

Patient Name	DOB	MR#
Henry Foster	9/3/19XX	41219

Completed Prescription Medication Order

1. Lopressor, 50 mg PO
2. Spironolactone & Hydrochlorothiazide, 25 mg/25 mg PO
3. Coumadin, 1 mg PO
 - a. 3 mg tablets unavailable, corrected medication instructions printed
4. Atorvastatin, 20 mg PO
5. Diltiazem ER, 180 mg PO
6. Levothyroxine, 25 mcg PO
7. Glipizide ER, 10 mg PO
8. Lantus, 100 units/ml SUBCUT
9. Compazine, 25 mg SUP
10. Nitroglycerin, 0.2 mg/hr TD
11. Spiriva, 18 mcg INH
12. Pulmicort, 0.25 mg/2 ml INH
13. Albuterol, 2.5 mg/3 ml INH
14. Gentamicin sulfate, 0.1% TOP
15. Alprazolam, 0.5 mg PO
16. Prednisone, 5 mg PO
17. Codeine phosphate & Guaifenesin, 10 mg/100 mg PO

OTC Medications Needed

1. Aspirin, 81 mg PO
2. Milk of Magnesia, 30 mg PO
3. Docusate sodium, 100 mg PO

APPENDIX D

ARISE Virtual Pharmacy

Tablets A-F

Acebutolol hydrochloride 200 mg capsules	Carbidopa & Levodopa 25 mg/250 mg tablets	Diclofenac potassium 50 mg tablets	Doxycycline hyclate 100 mg tablets
Atomoxetine hydrochloride 18 mg capsules	Carbidopa & Levodopa ER 50 mg/200 mg tablets	Dichlorphenamide 50 mg tablets	Eltrombopag olamine 25 mg tablets
Atorvastatin calcium 20 mg tablets	Coumadin 1 mg tablets	Diltiazem hydrochloride ER 120 mg capsules	Ergotamine tartrate 2 mg tablets
Bosutinib monohydrate 100 mg tablets	Cysteamine bitartrate 150 mg capsules	Diltiazem hydrochloride ER 180 mg capsules	Fenofibrate 150 mg capsules

Tablets G-L

Glycopyrrolate 2 mg tablets	Imipramine hydrochloride 10 mg tablets	Korlym 300 mg tablets	Levothyroxine sodium 50 mcg tablets
Hepsera 10 mg tablets	Jalyn 0.5 mg/0.4 mg capsules	Labetalol hydrochloride 100 mg tablets	Lisinopril and Hydrochlorothiazide 20 mg/12.5 mg tablets
Hyzaar 50 mg/12.5 mg tablets	Keflex 500 mg capsules	Lanoxin 0.125 mg tablets	Lisinopril 20 mg tablets
Ibandronate sodium 150 mg tablets	Ketoconazole 200 mg tablets	Levothyroxine sodium 25 mcg tablets	Lopressor 50 mg tablets

Tablets M-R

Mebendazole 100 mg tablets	Nelfinavir mesylate 625 mg tablets	Ondansetron hydrochloride 4 mg tablets	Prednisone 5 mg tablets
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Medrol 4 mg tablets	Nitroglycerin 0.4 mg tablets	Oxaprozin 600 mg tablets	Quinidine sulfate 200 mg tablets
Meloxicam 15 mg tablets	Nitroglycerin 400 mcg spray	Paromomycin sulfate 250 mg capsules	Rifampin 300 mg capsules
Methylprednisolone 4 mg tablets	Norvasc 5 mg tablets	Penicillin V potassium 250 mg tablets	Ropinirole 0.25 mg tablets

Tablets S-Z

Saquinavir mesylate 200 mg capsules	Targretin 75 mg capsules	Trospium chloride ER 60 mg capsules	Warfarin sodium 5 mg tablets
Spiro lactone 50 mg tablets	Tenormin 100 mg tablets	Truvada 100 mg/150 mg tablets	Welchol 625 mg tablets
Spiro lactone & Hydrochlorothiazide 25 mg/25 mg tablets	Toprol XL 50 mg tablets	Valganciclovir hydrochloride 450 mg tablets	Xtandi 40 mg capsules
Sulfamethoxazole & Trimethoprim 800 mg/160 mg tablets	Trimethobenzamide hydrochloride 300 mg capsules	Valtrex 1 g tablets	Zovirax 400 mg tablets

Liquids

Albuterol sulfate 2 mg/5 ml syrup	Digoxin 0.125 mg/2.5 ml solution	Indocin 25 mg/5 ml suspension	Promethazine hydrochloride 6.25 mg/5 ml solution
Banzel 40 mg/ml suspension	Fluphenazine hydrochloride 2.5 mg/5 ml elixir	Isoniazid 50 mg/5 ml syrup	Pyrantel pamoate 50 mg/ml suspension
Caffeine citrate 60 mg/3 ml solution	Furosemide 10 mg/ml solution	Ondansetron 4 mg/5 ml solution	Sulfamethoxazole & Trimethoprim 200 mg/40 mg per 5 ml suspension
Dexamethasone 0.5 mg/5 ml elixir	Griseofulvin 125 mg/5 ml suspension	Prednisolone 15 mg/5 ml solution	Zidovudine 10 mg/ml syrup

Birth Control

Aygestin 5 mg tablets	Emoquette 0.15 mg/0.03 mg tablets	Mircette 0.15 mg/0.02 mg & 0.01 mg tablets	Plan B 1.5 mg tablets
Azurette 0.15 mg/0.02 mg & 0.01 mg tablets	Heather 0.35 mg tablets	Ortho Tri-Cylen 0.25 mg/0.035 mg tablets	Tri-Norinyl 0.5 mg/0.035 mg & 1 mg/0.035 mg tablets
Brevicon 0.5 mg/0.035 mg tablets	Low-Ogestrel 0.3 mg/0.03 mg tablets	Ortho-Cept 0.15 mg/0.03 mg tablets	Yaz 3 mg/0.02 mg tablets
Beyaz 3 mg/0.02 mg/0.451 mg & 0.451 mg tablets	LoSeasonique 0.1 mg/0.02 mg & 0.01 mg tablets	Ortho-Novum 0.5 mg/0.035 mg tablets	Zovia 1 mg/50 mcg tablets

Controlled Substances

Androderm 4 mg patch	Clonazepam 1 mg tablets	Lorazepam 1 mg tablets	Oxycodone & Acetaminophen 5 mg/325 mg per 5 ml solution
Adderall 7.5 mg tablets	Codeine phosphate & Guaifenesin 10 mg/100 mg solution	Lyrica 25 mg capsules	Phenobarbital 15 mg tablets
Alprazolam 0.5 mg tablets	Fentanyl 50 mcg/hour patch	Meperidine hydrochloride 50 mg tablets	Tramadol ER 200 mg tablets
Chlordiazepoxide hydrochloride 5 mg capsules	Hydromorphone hydrochloride ER 12 mg tablets	Methylphenidate ER 20 mg capsules	Zolpidem tartrate 5 mg tablets

Diabetic Supplies

Acarbose 50 mg tablets	Farxiga 10 mg tablets	Glucophage XR 500 mg tablets	Jentadueto 2.5 mg/1000 mg tablets
Alogliptin 12.5 mg tablets	Glipizide ER 10 mg tablets	Glyxambi 10 mg/5 mg tablets	Jentadueto XR 2.5 mg/1000 mg tablets

Alogliptin & Metformin 12.5 mg/1000 mg tablets	Glipizide & Metformin 2.5 mg/250 mg tablets	Janumet 50 mg/1000 mg tablets	Tolbutamide 500 mg tablets
Bromocriptine mesylate 5 mg capsules	Glucophage 500 mg tablets	Januvia 50 mg tablets	Tradjenta 5 mg tablets

Refrigerator

Alcaine 0.5% solution	Combipatch 0.05 mg/0.25 mg patch	Lantus 100 units/ml 10 ml vials	Regranex 0.01% gel
Aspirin 300 mg suppository	Emcyt 140 mg capsules	Muse 125 mcg suppository	Tobramycin 300 mg/5 ml ampules
Benzamycin 30 mg/50 mg gel	Enbrel 25 mg/0.5 ml syringe	Novolin R 100 units/ml 10 ml vials	Viroptic 1% solution
Ceftin 125 mg/5 ml suspension	Humalog 100 units/ml 10 ml vials	Phenergan 12.5 mg suppository	Zithromax 100 mg/ 5ml suspension

Topicals

Aldara 5% cream	Clobetasol propionate 0.05% foam	Gentamicin sulfate 0.1% cream	Mupirocin 2% ointment
Calcipotriene & Betamethasone dipropionate 0.005% & 0.064% ointment	Diclofenac sodium 1.5% solution	Iopidine 1% solution	Prudoxin 5% cream
Ciclodan 0.77% cream	Epifoam 1% & 1% foam	Ketoconazole 2% cream	Tolak 4% cream
Ciprofloxacin 0.3% solution	Erygel 2% gel	Mupirocin 2% cream	Vigamox 0.5% solution

Suppositories

Anucort-HC 25 mg suppository	Compazine 25 mg suppository	Indocin 50 mg suppository	Rowasa 4 g/60 ml suspension
Anusol-HC 25 mg suppository	Compro 25 mg suppository	Prochlorperazine 25 mg suppository	Terazol 3 80 mg suppository
Canasa 1000 mg suppository	Hemmorex-HC 25 mg suppository	Proctocort 30 mg suppository	Terconazole 80 mg suppository
Cleocin 100 mg suppository	Hydrocortisone acetate 25 mg suppository	Rectacort-HC 25 mg suppository	Vagifem 10 mcg suppository

Inhalants

Acidinium bromide 400 mcg Inhalation powder	Budesonide 0.25 mg/2 ml Inhalation solution	Flovent 110 mcg Inhalation aerosol	Serevent 50 mcg Inhalation powder
Albuterol sulfate 2.5 mg/3 ml Inhalation solution	Cromolyn sodium 20 mg/2 ml Inhalation solution	Formoterol fumarate 20 mcg/2 ml Inhalation solution	Spiriva 18 mcg Inhalation powder
Albuterol sulfate 90 mcg Inhalation aerosol	Dulera 200 mcg/5 mcg Inhalation aerosol	Mometasone furoate 220 mcg Inhalation powder	Spiriva 1.25 mcg Inhalation spray
Albuterol sulfate & Ipratropium bromide 3 mg/0.5 mg per 3 ml Inhalation solution	Fluticasone propionate & Salmeterol 113 mcg/14 mcg Inhalation powder	Pulmicort 90 mcg Inhalation powder	Xopenex 0.63 mg/3 ml Inhalation solution

Patches

Catapres 0.2 mg/day patch	Exelon 9.5 mg/24 hours patch	Neupro 2 mg/24 hours patch	Sancuson 3.1 mg/24 hours patch
Clonidine 0.2 mg/day patch	Flector 1.3% patch	Nitroglycerin 0.2 mg/hr patch	Scopolamine 1 mg/3 days patch
Ensam 6 mg/24 hours patch	Menostar 14 mcg/day patch	Nitro-Dur 0.2 mg/hr patch	Synera 70 mg/70 mg patch
Estradiol	Minitran	Rivastigmine	Transderm Scop

0.0375 mg/day patch	0.2 mg/hr patch	4.6 mg/24 hours patch	1.5 mg/3 days patch
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CREDITS

Fax Cover Sheet adapted from Medical Fax Cover Sheet. Downloaded from

<https://www.template.net/business/sheet-templates/medical-fax-cover-sheet/>

Medication information from National Library of Medicine: Daily Med at

<http://dailymed.nlm.nih.gov/dailymed/>

REFERENCES

- American Heart Association (2016). Get with the Guidelines: Heart Failure. Downloaded from http://www.heart.org/HEARTORG/HealthcareResearch/GetWithTheGuidelines/GetWithTheGuidelines-HF/Get-With-The-Guidelines-Heart-Failure_UCM_306087_SubHomePage.jsp
- Clinical approach to management of nonpurulent cellulitis in adults (2017). Downloaded from https://www.uptodate.com/contents/image?imageKey=ID%2F111732&topicKey=ID%2F110530&rank=1~150&source=see_link&search=cellulitis%20anitbiotics
- Drew, R. & Sakoulas, G. (2017). Vancomycin: Parental dosing, monitoring, and adverse effects in adults. Downloaded from https://www.uptodate.com/contents/vancomycin-parenteral-dosing-monitoring-and-adverse-effects-in-adults?source=search_result&search=vancomycin%20dosing&selectedTitle=5~150
- International Nursing Association for Clinical Simulation and Learning (2016). Standards of Practice: Simulation. Downloaded from <http://www.inacsl.org/i4a/pages/index.cfm?pageid=3407>
- Yancy CW, Jessup M, Bozkurt B, Butler J, Casey DE Jr, Drazner MH, Fonarow GC, Geraci SA, Horwich T, Januzzi JL, Johnson MR, Kasper EK, Levy WC, Masoudi FA, McBride PE, McMurray JJV, Mitchell JE, Peterson PN, Riegel B, Sam F, Stevenson LW, Tang WHW, Tsai EJ, Wilkoff BL. (2013) ACCF/AHA guideline for the management of heart failure: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*. 2013;128:e240–e327. DOI: 10.1161/CIR.0b013e31829e8776



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