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RURAL ROCKS

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Rural Rocks

HIGHLIGHT ARTICLE OF THE MONTH

Patients Like Pharmacies That Give Preventive Care

<http://drugtopics.modernmedicine.com/drug-topics/news/patients-pharmacies-give-preventive-care?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=08022018>

RECALLS

Acyclovir 400mg Tablets by Apace Packaging: Recall - Product Mix-up

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm596590.htm>

HeartStart MRx Defibrillator by Philips Electronics: Class I Recall - Defects in Gas Discharge Tubes May Cause Device Failure

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm596134.htm>

Bella Diet Capsules by Bella All Natural: Recall - Presence of Sibutramine

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm598464.htm>

Cardiac Resynchronization Therapy with Defibrillation (CRT-Ds) and Implantable Cardiovert-Defibrillators (ICDs) by Medtronic: Class I Recall- Manufacturing Error Preventing Electrical Shock Delivery

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm598446.htm>

Labetalol Hydrochloride Injection by Hospira: Recall - Potential For Cracked Glass At Rim Surface Of Vials

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm598114.htm>

Clarithromycin (Biaxin): Drug Safety Communication - Potential Increased Risk of Heart Problems or Death in Patients With Heart Disease

<https://www.fda.gov/Safety/MedWatch/SafetyInformation/SafetyAlertsforHumanMedicalProducts/ucm597862.htm>

Date	Brand Name	Product Description	Reason/Problem	Company
02/23/2018	Hospira, Novaplus	Labetalol Hydrochloride Injection, USP	Cracked Glass At The Rim Surface Of The Vials	Hospira, Inc.
02/15/2018	AVpak	Acyclovir Tablet, USP, 400mg, 50ct Unit Dose	Product mix-up	Apace Packaging LLC
01/29/2018	Gericare	Sterile Eye Irrigation Solution	Potential microbial contamination which compromises sterility	Kareway Products Inc.
01/26/2018	Limbrel	Limbrel, Limbrel 250, Limbrel 500	Due to potential serious side effects	Primus Pharmaceuticals, Inc.
01/19/2018	Basic Drugs	Senna Laxative	Mislabeled	Magno-Humphries Laboratories, Inc.
01/16/2018	Nexterone	Nexterone 150mg/100ml injection	Presence of particulate matter	Baxter International Inc.
01/12/2018	AuroMedics	Levofloxacin in 5% Dextrose Injection 250mg/50mL	Particulate Matter	AuroMedics Pharma LLC
01/11/2018	PharMEDium Services LLC	Various compounded drug products intended to be sterile	Lack of sterility assurance	PharMEDium Services LLC
01/10/2018	International Laboratories, LLC	Clopidogrel Tablets USP, 75 mg	Due to mis-labeling	International Laboratories, LLC
01/09/2018	AuroMedics Pharma LLC	Ampicillin and Sulbactam for Injection USP	Presence of glass particles	AuroMedics Pharm

SHORTAGES

Feb 28, 2018 Shortages

<https://www.accessdata.fda.gov/scripts/drugshortages/default.cfm>

Generic Name or Active Ingredient	Status
Amino Acids	<i>Currently in Shortage</i>
Aminocaproic Acid Injection, USP	<i>Currently in Shortage</i>
Amoxapine Tablets	<i>Currently in Shortage</i>
Asparaginase Erwinia Chrysanthemi (Erwinaze)	<i>Currently in Shortage</i>
Atenolol Tablets	<i>Currently in Shortage</i>
Atropine Sulfate Injection	<i>Currently in Shortage</i>
Belatacept (Nulojix) Lyophilized Powder for Injection	<i>Currently in Shortage</i>
Betaine Hydrochloride (Cystadane) for Oral Solution	<i>Currently in Shortage</i>
Bleomycin Sulfate for Injection	<i>Resolved</i>
Bumetanide Injection, USP	<i>Currently in Shortage</i>
Bupivacaine Hydrochloride and Epinephrine Injection, USP	<i>Currently in Shortage</i>
Bupivacaine Hydrochloride Injection, USP	<i>Currently in Shortage</i>
Calcium Chloride Injection, USP	<i>Currently in Shortage</i>
Calcium Gluconate Injection	<i>Currently in Shortage</i>
Carbidopa and Levodopa Extended Release Tablets	<i>Currently in Shortage</i>
Cefepime Injection	<i>Currently in Shortage</i>
Cefotaxime Sodium (Claforan) Injection	<i>Currently in Shortage</i>
Cefotetan Disodium Injection	<i>Currently in Shortage</i>
Ceftazidime and Avibactam (AVYCAZ) for Injection, 2.5g	<i>Resolved</i>
Chloroquine Phosphate Tablets	<i>Resolved</i>
Cromolyn Sodium Inhalation Solution, USP	<i>Currently in Shortage</i>
Deferoxamine Mesylate for Injection, USP	<i>Currently in Shortage</i>
Dexrazoxane Injection	<i>Currently in Shortage</i>
Dextrose 5% Injection Bags	<i>Currently in Shortage</i>
Dextrose 50% Injection	<i>Currently in Shortage</i>
Diazepam Injection, USP	<i>Currently in Shortage</i>
Dihydroergotamine Mesylate Injection	<i>Currently in Shortage</i>
Diltiazem Hydrochloride	<i>Currently in Shortage</i>
Disopyramide Phosphate (Norpace) Capsules	<i>Currently in Shortage</i>
Dobutamine Hydrochloride Injection	<i>Currently in Shortage</i>
Dopamine Hydrochloride Injection	<i>Currently in Shortage</i>
Dorzolamide Hydrochloride and Timolol Maleate (Cosopt) Ophthalmic Solution	<i>Currently in Shortage</i>
Dorzolamide Hydrochloride Ophthalmic Solution	<i>Currently in Shortage</i>
Epinephrine Injection, 0.1 mg/mL	<i>Currently in Shortage</i>
Epinephrine Injection, 1 mg/mL	<i>Resolved</i>
Ethiodized Oil (Lipiodol) Injection	<i>Currently in Shortage</i>
Etoposide Injection	<i>Currently in Shortage</i>
Etoposide Phosphate (Etopophos) Injection	<i>Currently in Shortage</i>
Fentanyl Citrate (Sublimaze) Injection	<i>Currently in Shortage</i>
Fluorescein Strips	<i>Currently in Shortage</i>
Folic Acid Injection	<i>Currently in Shortage</i>
Gemifloxacin Mesylate (Factive) Tablets	<i>Currently in Shortage</i>
Guanfacine Hydrochloride Tablets	<i>Currently in Shortage</i>
Heparin Sodium and Sodium Chloride 0.9% Injection	<i>Currently in Shortage</i>
Hydromorphone Hydrochloride Injection, USP	<i>Currently in Shortage</i>

Generic Name or Active Ingredient	Status
<u>Imipenem and Cilastatin for Injection, USP</u>	<i>Currently in Shortage</i>
<u>Indigotindisulfonate Sodium (Indigo Carmine) Injection</u>	<i>Resolved</i>
<u>Ketamine Injection</u>	<i>Currently in Shortage</i>
<u>L-Cysteine Hydrochloride Injection</u>	<i>Currently in Shortage</i>
<u>Labetalol Hydrochloride Injection</u>	<i>Currently in Shortage</i>
<u>Leucovorin Calcium Lyophilized Powder for Injection</u>	<i>Currently in Shortage</i>
<u>Lidocaine Hydrochloride (Xylocaine) and Dextrose Injection Solution-Premix Bags</u>	<i>Currently in Shortage</i>
<u>Lidocaine Hydrochloride (Xylocaine) Injection</u>	<i>Currently in Shortage</i>
<u>Lidocaine Hydrochloride (Xylocaine) Injection with Epinephrine</u>	<i>Currently in Shortage</i>
<u>Liotrix (Thyrolar) Tablets</u>	<i>Currently in Shortage</i>
<u>Mecasermin [rDNA origin] (Increlex) Injection</u>	<i>Resolved</i>
<u>Methotrexate Sodium Injection</u>	<i>Currently in Shortage</i>
<u>Methylphenidate Hydrochloride (QUILLICHEW ER) Extended-Release Chewable Tablets</u>	<i>Currently in Shortage</i>
<u>Methylphenidate Hydrochloride (QUILLIVANT XR) for Extended-Release Oral Suspension</u>	<i>Currently in Shortage</i>
<u>Methylprednisolone Sodium Succinate for Injection, USP</u>	<i>Resolved</i>
<u>Metoclopramide Injection, USP</u>	<i>Currently in Shortage</i>
<u>Metronidazole Injection, USP</u>	<i>Currently in Shortage</i>
<u>Molindone Hydrochloride Tablets</u>	<i>Currently in Shortage</i>
<u>Morphine Sulfate Injection, USP</u>	<i>Currently in Shortage</i>
<u>Multi-Vitamin Infusion (Adult and Pediatric)</u>	<i>Currently in Shortage</i>
<u>Mupirocin Calcium Nasal Ointment</u>	<i>Currently in Shortage</i>
<u>Nitrous Oxide, Gas</u>	<i>Currently in Shortage</i>
<u>Pantoprazole (Protonix) Powder for Injection</u>	<i>Currently in Shortage</i>
<u>Penicillamine (Depen) Titratable Tablets</u>	<i>Currently in Shortage</i>
<u>Penicillin G Benzathine (Bicillin L-A) Injection</u>	<i>Currently in Shortage</i>
<u>Penicillin G Benzathine and Penicillin G Procaine (Bicillin C-R) Injection</u>	<i>Currently in Shortage</i>
<u>Penicillin G Procaine Injection</u>	<i>Currently in Shortage</i>
<u>Peritoneal Dialysis Solutions</u>	<i>Currently in Shortage</i>
<u>Phosphate Injection Products</u>	<i>Currently in Shortage</i>
<u>Piperacillin and Tazobactam (Zosyn) Injection</u>	<i>Currently in Shortage</i>
<u>Potassium Chloride Injection</u>	<i>Currently in Shortage</i>
<u>Potassium Phosphate Injection</u>	<i>Currently in Shortage</i>
<u>Procainamide Hydrochloride Injection, USP</u>	<i>Currently in Shortage</i>
<u>Progesterone Injection, USP</u>	<i>Currently in Shortage</i>
<u>Promethazine (Phenergan) Injection</u>	<i>Currently in Shortage</i>
<u>Ranitidine Injection, USP</u>	<i>Currently in Shortage</i>
<u>Remifentanyl (Ultiva) Lyophilized Powder for Solution Injection</u>	<i>Currently in Shortage</i>
<u>Rocuronium Bromide Injection</u>	<i>Currently in Shortage</i>
<u>Sacrosidase (Sucraid) Oral Solution</u>	<i>Currently in Shortage</i>
<u>Sclerosol Intrapleural Aerosol</u>	<i>Currently in Shortage</i>
<u>Scopolamine (Transderm Scop) Transdermal System Patch</u>	<i>Resolved</i>
<u>Sinalide (Kinevac) Lyophilized Powder for Injection</u>	<i>Currently in Shortage</i>
<u>Sodium Acetate Injection, USP</u>	<i>Currently in Shortage</i>
<u>Sodium Bicarbonate Injection, USP</u>	<i>Currently in Shortage</i>
<u>Sodium Chloride 0.9% Injection Bags</u>	<i>Currently in Shortage</i>

Generic Name or Active Ingredient	Status
<u>Sodium Chloride 23.4% Injection</u>	<i>Currently in Shortage</i>
<u>Sodium Phosphate Injection</u>	<i>Currently in Shortage</i>
<u>Sterile Talc Powder</u>	<i>Currently in Shortage</i>
<u>Sterile Water</u>	<i>Currently in Shortage</i>
<u>Sumatriptan (Imitrex) Nasal Spray</u>	<i>Resolved</i>
<u>Technetium Tc99m Succimer Injection (DMSA)</u>	<i>Currently in Shortage</i>
<u>Theophylline Extended Release Tablets and Capsules</u>	<i>Currently in Shortage</i>
<u>Thioridazine Hydrochloride Tablets</u>	<i>Currently in Shortage</i>
<u>Tolmetin Sodium Tablets, USP</u>	<i>Resolved</i>

DRUGS

THEOPHYLLINE ER 300mg and 450mg Tablets from Alembic Pharmaceuticals, Inc.

http://marketing.pharmacytimes.com/acton/rif/27581/s-0517-1802/-/l-0058:723f/q-0088/showPreparedMessage?utm_term=View%20on%20Web&utm_campaign=Alembic%20eProduct%20News%205%20-%202-20-18&utm_content=email&utm_source=Act-On+Software&utm_medium=email&cm_mmc=Act-On%20Software-_-email-_-Theophylline%20ER%20Tablets%20Now%20Available-_-View%20on%20Web&sid=TV2:JNgBh69K3

Adzenys ER Oral Suspension Launched for ADHD

https://www.empr.com/news/adzenys-extended-release-amphetamine-oral-suspension-attention-deficit-hyperactivity-disorder/article/746563/?utm_source=newsletter&utm_medium=email&utm_campaign=mpr-dailydose-cp-20180226&dl=0&DCMP=EMC-mpr-dailydose-cp-20180226&cpn=Pharm%2cpharm_all&hmSubId=07oGyhXy0c1&hmEmail=07oGyhXy0c1&NID=&c_id=&spMailingID=19090470&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1201711656&spReportId=MTIwMTcxMTY1NgS2

HOSPITAL

FDA

FDA warning on clarithromycin and risk for heart problems and death

http://univadis.com/player/ynzcfstp?u=g7Nnk16ewgsJtu01j0racp26fBgCcTuESKBOzIzYvrA95%2B5oYhgq6CU3D2hdiu0c&utm_source=ad%20hoc%20email&utm_medium=email&utm_campaign=ct-reactivation_wf-manual_fq-adhoc_cp-breakingnews-20180222&utm_content=2067331&utm_term=

DailyMed (National Library of Medicine)

<https://dailymed.nlm.nih.gov/dailymed/index.cfm>

Medication Guides

<https://www.fda.gov/Drugs/DrugSafety/ucm085729.htm>

Potential Signals of Serious Risks/New Safety Information Identified from the FDA Adverse Event Reporting System (FAERS)

<https://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Surveillance/AdverseDrugEffects/ucm082196.htm>

Postmarket Drug and Biologic Safety Evaluations

<https://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Surveillance/ucm204091.htm>

IMMUNIZATIONS

Adult Immunization Schedule for 2018 Includes Changes for Shingles and MMR

<https://www.jwatch.org/fw113814/2018/02/06/adult-immunization-schedule-2018-includes-changes?query=pfwTOC&jwd=000020097761&jspc=>

Vaccine Information Statements (VISs)

<https://www.cdc.gov/vaccines/hcp/vis/index.html>

Flu Vaccination Halves Mortality Risk in HF Patients

<https://www.consultant360.com/exclusives/flu-vaccination-halves-mortality-risk-hf-patients>

Immunization MMWRs

<https://www.cdc.gov/vaccines/news/news-pubs/>

PHARMACY EDUCATION

CMS Proposes Part D Opioid Limits, Pharmacy Reacts

<http://drugtopics.modernmedicine.com/drug-topics/news/cms-proposes-part-d-opioid-limits-pharmacy-reacts?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=09022018>

COPD EDUCATION

Many COPD Treatments Overused, Ineffective

<https://www.managedhealthcareconnect.com/content/many-copd-treatments-overused-ineffective>

INSURANCE

NEWS

Drinking Hot Tea Linked to Esophageal Cancer in High-Risk Adults

<https://www.jwatch.org/fw113815/2018/02/06/drinking-hot-tea-linked-esophageal-cancer-high-risk?query=pfwTOC&jwd=000020097761&jspc=>

The Value of a Pharmacist

<http://drugtopics.modernmedicine.com/drug-topics/news/pharmacist-integration-med-use-process-yields-positive-results-acos?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=07022018>

HHS Lays Out Plans to Reduce Drug Prices

<https://www.managedhealthcareconnect.com/content/hhs-lays-out-plans-reduce-drug-prices>

BLOOD PRESSURE Guidelines for BP Response During Exercise Need to Be Updated

<https://www.consultant360.com/exclusives/guidelines-bp-response-during-exercise-need-be-updated>