



# new drugs and their impact on therapies

april 13, 2013 12:30 to 1:30 PM session

At the completion of the activity, the participant should be able to:

- Identify new drugs to appear on the market and what classes they fall into
- Discuss dosing, interactions and pros and cons of each new drug
- Review metabolism, excretion and absorption of each medication

presenter: donald zabriskie, bpharm, mba, rph



## NEW DRUGS-2013

### NEW CHEMICAL ENTITIES

BRAND NAME	GENERIC NAME	INDICATION	CATEGORY
Abthrax	raxibacumab	Treatment of inhalational anthrax, a form of the infectious disease caused by breathing in the spores of the bacterium <i>Bacillus anthracis</i>	Infectious Disease
Amyvid	Florbetapir F 18	Used as a radioactive diagnostic agent for Positron Emission Tomography (PET) imaging of the brain to estimate $\beta$ -amyloid neuritic plaque density in adult patients with cognitive impairment who are being evaluated for Alzheimer's Disease (AD) and other causes of cognitive decline	Imaging agent
Aubagio	teriflunamide	Treatment of adults with relapsing forms of multiple sclerosis (MS).	Nervous system
Belviq	lorcaserin hydrochloride	Treatment of chronic weight management	Nervous system
Bosulif	bosutinib	Treatment of chronic myelogenous leukemia (CML), a blood and bone marrow disease that usually affects older adults	Oncology
Choline C 11 injection	Choline C 11 injection	A Positron Emission Tomography (PET) imaging agent used to help detect recurrent prostate cancer.	Imaging agent
Cometriq	cabozantinib	Treatment of medullary thyroid cancer that has spread to other parts of the body (metastasized).	Oncology
Elelyso	taliglucerase alfa	Long-term enzyme replacement therapy to treat a form of Gaucher disease, a rare genetic disorder	Endocrine
Eliquis	apixaban	Risk reduction of stroke and dangerous blood clots (systemic embolism) in patients with atrial fibrillation that is not caused by a heart valve problem	Stroke Reduction
Erivedge	vismodegib	Treatment of adult patients with basal cell carcinoma, the most common type of skin cancer.	Oncology
Fulyzaq	crofelemer	Treatment of HIV/AIDS patients whose diarrhea is not caused by an infection from a virus, bacteria, or parasite.	Gastrointestinal
Fycompa	perampanel	Treatment of partial onset seizures in patients with epilepsy ages 12 years and older.	Nervous system
Gattex	teduglutide	Treatment of adults with short bowel syndrome (SBS) who need additional nutrition from intravenous feeding (parenteral nutrition).	Gastrointestinal
Iclusig	ponatinib	Treatment of adults with chronic myeloid leukemia (CML) and Philadelphia chromosome positive acute lymphoblastic leukemia (Ph+ ALL), two rare blood and bone marrow diseases.	Oncology
Inlyta	axitinib	Treatment of patients with advanced kidney cancer (renal cell carcinoma) who have not responded to another drug for this type of cancer.	Oncology
Jetrea	ocriplasmin	Treat of symptomatic vitreomacular adhesion (VMA).	Ophthalmic
Juxtapid	lomitapide	Reduction of low-density lipoprotein (LDL) cholesterol, total cholesterol, apolipoprotein B, and non-high-density lipoprotein (non-HDL) cholesterol in patients with homozygous familial hypercholesterolemia (HoFH).	Hypercholesterolemia
Kalydeco	ivacaftor	Treatment of a rare form of cystic fibrosis in patients ages 6 years and older who have the specific G551D mutation in the Cystic Fibrosis Transmembrane Regulator (CFTR) gene.	Miscellaneous
Kyprolis	carfilzomib	Treatment of patients with multiple myeloma who have received at least two prior therapies, including treatment with Velcade (bortezomib) and an immunomodulatory.	Oncology

Linzess	linaclotide	Treatment of chronic idiopathic constipation and to treat irritable bowel syndrome with constipation (IBS-C) in adults.	Gastrointestinal
Myrbetriq	mirabegron	Treatment of adults with overactive bladder	Genitourinary
Neuroval	tbo-filgrastim	Reduction of the time certain patients receiving cancer chemotherapy experience severe neutropenia	Oncology
Omontys	peginesatide	Treatment of anemia in adult dialysis patients who have chronic kidney disease (CKD).	Hematologic
Perjeta	pertuzumab	Treatment of patients with HER2-positive late-stage (metastatic) breast cancer.	Oncology
Picato	ingenol mebutate	Treatment of actinic keratosis	Dermatologic
Prepopik	sodium picosulfate, magnesium oxide and citric acid	To help cleanse the colon in adults preparing for colonoscopy.	Gastrointestinal
Qsymia	phentermine, topiramate extended release	Treatment of chronic weight management	Nervous system
Signifor	pasereotide	Treatment of Cushing's disease patients who cannot be helped through surgery	Endocrine
Sirturo	bedaquiline	Treatment of adults with multi-drug resistant pulmonary tuberculosis (TB) when other alternatives are not available as part of combination therapy	Infectious Disease
Stendra	avanafil	Treatment of erectile dysfunction	Genitourinary
Stivarga	regorafenib	Treatment of patients with colorectal cancer that has progressed after treatment and spread to other parts of the body (metastatic).	Oncology
Stribild	elvitegravir, cobicistat, emtricitabine, tenofovir disoproxil fumarate	Treatment of HIV-1 infection in adults who have never been treated for HIV infection.	Infectious Disease
Surfaxin	lucinactant	Prevention of respiratory distress syndrome (RDS) in premature infants.	Respiratory
Synribo	omecetaxime mepesuccinate	Treatment of adults with chronic myelogenous leukemia (CML), a blood and bone marrow disease	Oncology
Tudorza Pressair	acilidium bromide	Treatment of bronchospasm associated with chronic obstructive pulmonary disease (COPD), including chronic bronchitis and emphysema.	Respiratory
Voraxaze	glucarpidase	Treatment of patients with toxic levels of methotrexate in their blood due to kidney failure	Miscellaneous
Xeljanz	tofacitinib	Treatment of adults with moderately to severely active rheumatoid arthritis (RA) who have had an inadequate response to, or who are intolerant of, methotrexate.	Immunomodulator
Xtandi	enzalutamide	Treatment of men with late-stage (metastatic) castration-resistant prostate cancer that has spread or recurred, even with medical or surgical therapy to minimize testosterone.	Oncology
Zaltrap	ziv-aflibercept	Treatment of adults with colorectal cancer; for use in combination with a FOLFIRI (folinic acid, fluorouracil and irinotecan) chemotherapy regimen	Oncology
Zioptan	tafluprost	Reduction of elevated intraocular pressure in patients with open-angle glaucoma or ocular hypertension.	Ophthalmic

#### NEW PRODUCT OR CURRENT AGENTS WITH NEW INDICATION

BRAND NAME	GENERIC NAME	INDICATION	CATEGORY
Abraxane	paclitaxel protein-bound	Treatment of non-small cell lung cancer	Oncology
Afinitor	everolimus	Treatment of renal angiomyolipoma associated with tuberous sclerosis complex, treatment of hormone receptor-positive, HER-2 negative breast cancer	Oncology
Bio-T Gel	testosterone gel	Treatment of hypogonadism	Endocrine
Cystaran	cysteamine hydrochloride	Treatment of corneal cystine crystal accumulation due to cystinosis	Miscellaneous
Dymista	azelastine hydrochloride, fluticasone propionate	Treatment of symptoms of seasonal allergic rhinitis	Rhinotolaryngology
Flucelvax	influenza virus vaccine	Treatment of influenza virus subtypes A and type B	Infectious Disease

Horizant	gabapentin enacarbil	Treatment of postherpetic neuralgia	Nervous system
Jentadueto	linagliptin, metformin	Treatment of type 2 diabetes	Endocrine
Korlym	mifepristone	Treatment of hyperglycemia in adults with endogenous Cushing's syndrome	Endocrine
Lucentis	ranibizumab	Treatment of diabetic macular edema	Ophthalmic
Lyrica	pregabalin	Treatment of neuropathic pain associated with spinal cord injury	Nervous system
Marqibo	vinCRISTine sulfate liposome injection	Treatment of Ph-acute lymphoblastic leukemia	Oncology
Natazia	estradiol valerate, estradiol valerate/dienogest	Treatment of heavy menstrual bleeding	Endocrine
Neupro	rotigotine transdermal system	Treatment of restless leg syndrome	Nervous system
Oxtellar XR	oxcarbazepine extended release	Treatment as adjunctive therapy of partial seizures in adults and children 6 years to 17 years of age	Nervous system
Qnasl	beclomethasone dipropionate nasal aerosol	Treatment of seasonal and perennial allergic rhinitis	Rhinotolaryngology
Quillivant XR	methylphenidate hydrochloride	Treatment of attention deficit hyperactivity disorder	Nervous system
Rayos	prednisone delayed release	Treatment of certain inflammatory diseases, including arthritis, COPD, asthma and psoriatic conditions	Endocrine
Sklice	ivermectin	Treatment of head lice	Dermatologic
Subsys	fentanyl sublingual spray	Treatment of breakthrough cancer pain	Nervous system
Ultress	pancrelipase	Treatment of exocrine pancreatic insufficiency due to cystic fibrosis or other conditions	Endocrine
Vascepa	icosapent	Treatment of hypercholesterolemia	Hypercholesterolemia
Viokace	pancrelipase	Treatment of exocrine pancreatic insufficiency due to chronic pancreatitis or pancreatectomy	Endocrine
Votrient	pazopanib	Treatment of soft tissue sarcoma	Oncology

Created 03/14/2013

D. Zabriskie, RPh

# Kids

Just remember, a *new* drug may come with new side effects. Know about your drug before you start to prescribe it!

WHILE MRS. J. VANDIVERE MCALL ABSORBS "CULTURE" AT THE "UPLIFT AND GARDEN CLUB", HER DAUGHTER ATTENDS A JUKE BOX JIVE SESSION!

GEE, CURLY! YOU'RE REALLY FULL OF HEP STEPS T'NIGHT!

LET'S SIT ONE OUT WHILE I FIRE THE FURNACE - THEN I'LL SHOW YOU SOME FANCY FOOTWORK!

WHEW! THAT WAS SUPER!

RATS! MUST'VE LEFT MY CIGS IN MY CRATE! ... I'LL BE BACK IN A SEC .. WITH A DECK!

PULL OVER AND PARK, MOSSY! (WHEEZE!) ... THIS IS THE SPOT!

YEAH! THESE JUKE JOINTS ARE NICE RICH SOIL - FOR OUR BUSINESS, MEATBALL!

*Alfred Andolina*

DARN IT! WHO TOOK MY CIGARETTES? I LEFT A FULL PACK ON THE SEAT!

POP'S PLACE

DON'T POP AN ARTERY, BUD! HERE! TRY MINE!

THANKS ALL THE SAME - BUT I'VE GOT MY OWN AROUND HERE SOMEWHERE!

GO ON! LIGHT UP! THOSE ARE ... KINDA SPECIAL!

VA-AK! TASTES LIKE HAY

DID YA LIKE THE FIRST OLIVE Y'EVER TRIED? GIVE IT A CHANCE!

*Alfred Andolina*

CRIPES! I NEVER GOT SUCH A LIFT OUT OF A SMOKE! GEE!

SO LONG, BUD! IF YA WANTA TRY MY BRAND AGAIN - I'LL BE AROUND!

HEY! I'M FLOATING! ... WAY UP HIGH! ... EVERYTHING IS SO... WONDERFUL!

FUNNY! CRICKET MCALL'S COMING OUT OF POP'S PLACE! ... BUT.. IT'S SO.. FAR AWAY!

CURLY! COME ON IN AND DANCE!

WHO WANTS T'DANCE? HAHAHAHA! ... I'VE GOT THE FASTEST CAR IN THE WORLD! COME ON! WE'LL GO FOR A SKYRIDE, CRICKET!

CHUG! CHUG!

*Alfred Andolina*

WE'LL STOP HERE, GABBY, AND HELP FILL IN THE REPORT ON THE END OF ANGEL-PUSS!

Y'KNOW, CHIEF, IT STILL GRIPES ME, TH' WAY CRICKET MCALL'S MAMA LEAVES HER KID GET INTO A MESS LIKE THAT!

MEANWHILE, CRICKET IS JOY-RIDING WITH A STRANGELY EXHLARATED BOY FRIEND!

PLEASE, CURLY! SLOW DOWN! WE'RE D-DOING ...15!

HA HA HA! SURE! I'VE GOT MY OWN FLYING! WATCH ME ZIP PAST THAT CAR!

CURLY! DON'T TURN OUT! THERE'S A CAR COMING - RIGHT AT US!

YOU'RE CRAZY! - IT'S MILES AWAY! AND WE'RE GOING FASTER THAN A ROCKET! ... WATCH -

R-R-RIP!

OH CURLY! CURLY! CURLY!

BANG!

*Alfred Andolina*