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NxGen Wholesaling news

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Dear valued customer

Welcome to another issue of NxGen Wholesaling News. As General Manager, Andrew Rowe enjoys his long deserved 3 month holiday in South America, I will be bringing you the latest in the compounding arena. This April–May issue proves to be an exciting read with our feature article from Lisa Ashworth (USA), our keynote speaker for the ACCP conference 2011.

Lisa Ashworth is a wealth of knowledge after working directly with Dr. Lloyd Allen at IJPC for many years as a editor, writer, project manager, speaker, expert witness preparation assistant, etc. They have also worked together on the USP Pharmacy Compounding Expert Commit-

tee for over 5 years and still edit, peer-review and write for IJPC. To learn more about Lisa don't forget to read on for her biography and feature article on APIs (Active Pharmaceutical Ingredients) on page 2.

Thanks to all the pharmacists that have taken advantage of our early bird offer to attend this year's ACCP conference 2011 for only \$270. If you haven't secured your place yet, don't forget that the offer ends 31st May 2011.

M. Meeve

Melissa Meeve

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1000 pack	Normally \$248.50	Special price \$186
Seal center tear-out		
100 pack	Normally \$16.25	Special price \$12
1000 pack	Normally \$128.50	Special price \$96
10,000 pack	Normally \$1,495.75	Special price \$1,121
Seal – flip-off		
100 pack	Normally \$16.25	Special price \$12
1000 pack	Normally \$128.50	Special price \$96
10,000 pack	Normally \$1,200.00	Special price \$900
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100 pack	Normally \$16.25	Special price \$12
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APIs (Active Pharmaceutical Ingredients)

By Lisa D. Ashworth, BS Pharm, RPh

Lisa is a Clinical Pharmacist in the Center for Cancer and Blood Disorders at Children's Medical Center, Dallas, TX, USA. Her career in the pharmacy profession began in rural America and includes several years at the International Journal of Pharmaceutical Compounding (IJPC), Inc., and co-ownership of two independent pharmacies. She is Adjunct Faculty Preceptor for two Texas Colleges of Pharmacy and Residency Preceptor for ASHP. She currently serves as Vice-Chair, 2010-2015 Pharmacy Compounding Expert Committee of the United States Pharmacopeial Convention, Inc. and is a member of the International Academy of Compounding Pharmacists (IACP) Foundation Board, and Literature Peer-Reviewer. Research interests include quality and stability of sterile and nonsterile compounded preparations and their pharmacokinetics. She has worked in the pharmacy profession for over 30 years, is a member of numerous pharmacy organisations and is very passionate about compounding medications.

Thank you for inviting me to speak at your second annual compounding conference. I am looking forward to sharing with you what I have seen and learned in 35 years of working in the pharmaceutical industry as a technician, pharmacist, owner, manager, and preceptor in the hospital, retail, home infusion and drug information/publishing sectors. Many things have changed over these 3+ decades, yet some have stayed the same.

Questions that I have continually asked are:

What is the best source of the Active Pharmaceutical Ingredient (API) for a pharmacist to use in a compound?

We can crush tablets, empty capsules, open vials or weigh raw chemicals.

The decision on what API source to use requires pharmacists to use their chemical and clinical knowledge gained in their

college and post-college continued educational training.

What's available?

We have tablets, capsules, vials of injectable liquids and powders, and raw chemicals.

What is appropriate?

That depends on the dosage form needed to treat the patient. If a patient is on a ketogenic diet, limiting the number of carbohydrates in medication is a must. If a patient has celiac disease, removal of gluten in medications is a must. In these cases we may need to use injectable liquids or raw chemicals in order to prepare an oral formulation in a water or oil vehicle. In the case of tacrolimus, the commercially manufactured capsules should be used when preparing oral liquid formulations; however, the raw chemical should be used when preparing a topical application.

What are the regulatory challenges?

- Restrictions to obtain raw chemicals that have been refined from

raw materials or manufactured synthetically, have been through quality assurance checks, and come with a certificate of analysis of **actual potency**.

- Pressure to use manufactured dosage forms sold in the US that have **potency ranges** of 90.0% to 110.0%, or 80.0% to 120.0%, or an even broader range of 90.0% to 150.0% for pancrelipase. They do not come with an actual potency certificate of analysis like raw chemicals. Even though the potency requirement of some manufactured dosage forms have been tightened in recent years, we still do not know their actual potency.
- Potency of a compounded preparation when made using manufactured dosage forms may not allow us to have a finished preparation that is within the 90.0% to 110.0% range of potency that standards, set by the United States Pharmacopeia (USP) and adopted by most states in their pharmacy laws and regulations. The use of raw chemicals over manufactured dosage forms as the API, may allow us to meet required standards more accurately.

Compounding dosage forms from raw chemicals goes back thousands of years and is vital and necessary to healthcare. We are fortunate that we can purchase APIs that have been through the necessary processes of quality and potency validation; we need to be able to continue this tradition.

I look forward to meeting all of you in September.

MEET THE TEAM



Name?

Kaiser Khan.

Where are you from?

I was born in Dhaka, Bangladesh. Moved to the best place on earth (Australia) in 2002.

What is your current position in NxGen?

Accounts Manager for the NxGen Group.

How long have you been with the company?

7 years... that's long, even I did not realise before answering this question.

What's your greatest achievement in this time?

Interacting with wonderful people at work who make me believe that NxGen is a family & we all should work like a team to take it further. Also all of the experiences in the Accounting discipline at work.

What's your favourite quote?

"Seek knowledge from the cradle to the grave." – Prophet Muhammad.

What is your favourite place at work?

Lunch Room where we all meet up & talk about different yummy food!

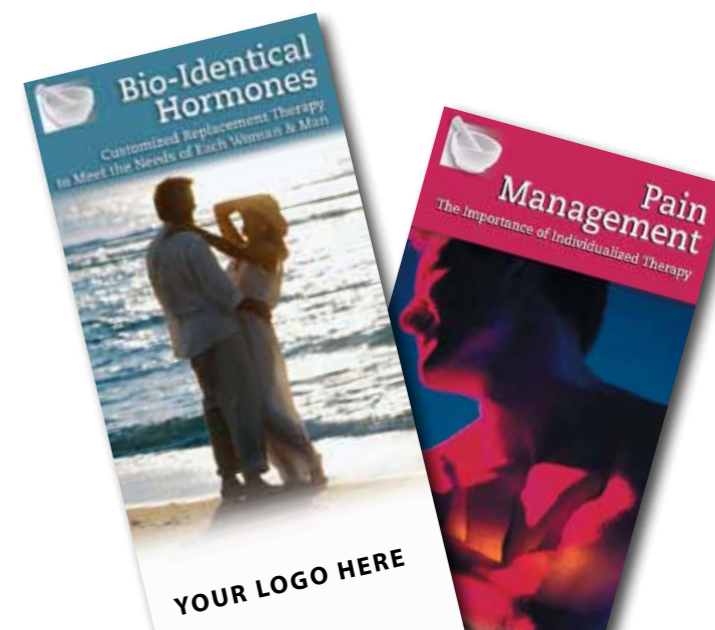
Anything else you would like to say to your customers?

I admire our customers who pay their bills before the due time. This way we can utilise our time to provide better Customer Service rather than chasing the outstanding accounts. Paying your bills on time also speeds up our process to deliver the products you need. It's a win-win for all!

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