

THE ART OF CHILDREN'S COMPOUNDING

Heather Snook

AGENDA

Introduction

Compliance

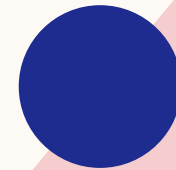
- Flavours
- Dosage forms

Adaptability

- Shortages
- Unavailable commercial medications

Reliable sources

Tips and Tricks



LEARNING OBJECTIVES

- Flavours:

Understanding patient needs and wants. What is the child's favourite flavours, creating a flavour tasting bar for them to choose what they like. Being able to change flavour from fill to fill (which is anywhere from 14-30 days)

- Dosage Form:

To create better medication compliance in children using a preferred dosage form (liquid, gummies, or chocolates). Being able to adapt and change forms from fill to fill (usually 30 days)

- Adaptability:

Being able to have shorted or discontinued medications available for children the same day they are requested. Such as acetaminophen, ibuprofen, sulfamethoxazole trimethoprim, or amoxicillin. Listening to the community on the needs that should be met for their children.

INTRODUCTION

Heather Snook

- Registered Pharmacy Technician since 2013
- Owner of The Medicine Shoppe Compounding Pharmacy in Spruce Grove
- Compounding since 2016
- NAPRA compliant
- Compounding at level B

DISCLOSURE

HEATHER SNOOK

1. I HAVE A RELATIONSHIP WITH PCCA CANADA

MEMBER OF PCCA

**MEMBER OF THE COMPOUNDING
CONCERIGE GROUP**

2. I AM RECEIVING A SPEAKERS FEE FROM PTSA FOR THIS PRESENTATION

COMMERCIAL SUPPORT DISCLOSURE

THIS PRESENTATION HAS RECEIVED NO FINANCIAL OR IN-KIND SUPPORT
FROM ANY COMMERCIAL OR OTHER ORGANIZATION

COMPLIANCE

- Important to know your patients needs and wants
 - What flavour they like best
 - What shapes they like
 - What color is their favourite
- What have they tried in the past
 - Chocolates, gummie, liquid
- What are their limitations, parent struggles

ADAPTABILITY

- Medication shortages
 - Ibuprofen, acetaminophen, amoxicillin
- Unavailable commercial liquids
 - Sulfamethoxazole trimethoprim
 - Penicillin

RELIABLE RESOURCES

Formulas

- Reliable companies that will provide formulas for a subscription fee
- Using text books, articles, journals and studies to come to your own conclusions
- NAPRA and Alberta Collage of Pharmacy compounding guidelines for stability and Beyond Use Dates

pH

- Important to note if will need a stable pH or buffer before creating a formula
 - Example: lansoprazole, omeprazole

Sertraline

- Very acidic and can create a burning sensation in patient's throat if not compounded properly

Beyond Use Dates:

TIPS AND TRICKS

Flavouring

- Reflavour commercial liquids
- Flavour bar
- Flavour first then add water

Acacia Syrup

- Reconstitute with this instead of water
- Coats the tongue to create a barrier for bitter API

Chocolate Syrup

- Can use thick liquid syrup
- Powder chocolate for flavour
 - Longer Beyond Use Date if possible
 - Can use in oil based suspension

Improve Flavour

- Bitterness (bitter suppressor)
- Salt
- Acacia
- Sweeteners

THINK OUTSIDE THE BOX

Sources of Active Pharmaceutical Ingredient

- Powder
- Injectables
- Tablet, Capsule

Considerations

- Salt forms
- Conversions
- Examples: tobramycin, vancomycin

SUMMARY

Always have fun when creating new formulas and looking for ideas

Make sure your patients needs is always forefront

Taste everything you make (would you be able to take that 2-3 times per day for 10-14 days)

Would I serve this to my family?

THANK YOU

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