Pediatric Formulation Development

Opportunities from an Industry Perspective

M-CERSI Workshop

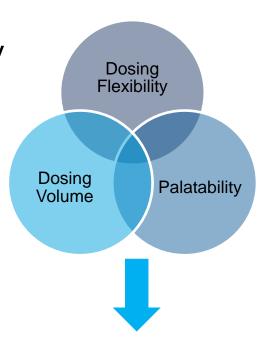
Challenges and Strategies to Facilitate Formulation Development of Pediatric Drug Products

June 8th and 9th, 2016 College Park, MD

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The Drug Product Challenge One size does NOT (usually) fit all

- Safety
 - Stability, Excipients, Dosing Accuracy
- Performance
 - Efficacy and In-Vivo Performance
- Functionality in Use
 - Dosing and Administration Flexibility
- Acceptability
 - Palatability and Swallowability
- ♦ Add your challenge here....
 - And share this afternoon



Tradeoffs and Compromise

Industry's Reality

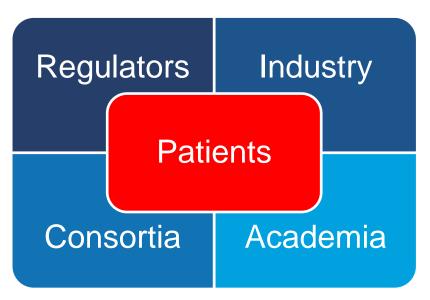
- Pharmaceutical Companies cannot (and do not want to) address these challenges independently
 - Variability in experience in developing for pediatrics
 - Access to the proper capabilities
 - Business constraints
 - Uncertain and evolving expectations and criteria
- These realities slow the progress we are making





The GOAL - Make the most progressFASTEST.....for Children

Cooperation + Collaboration =



- Increased Alignment
- Clarified Expectations
- Continuous Improvement

Synergy

- Common Tools
- Greater Confidence
- Faster Development
- Better Products
- Greater Consistency
- Improved Outcomes

Reaching the Goal

- Industry and Pre-Competitive Collaborations
 - Shared Learning, Best Practices, Common Approaches
- Regulatory Agencies are Key Influencers
 - Risk Based Strategic Approaches
 - "Defining" Criteria
- Academia and Basic Research
 - Laying the Foundation
- Creating a shared vision for the future
 - Building relationships and trust while respecting our individual responsibilities and objectives
- Inclusion to create "Critical Mass"

A Springboard to Action

- Your active engagement in the workshop will enable creation of a shared vision
- Creating a roadmap to enable development of better pediatric formulations
- Tangible next steps in areas of greatest opportunity

The Patient is the Focal Point



Thank You!

Coming together is a Beginning

Keeping together is Progress

Working together is Success

Henry Ford