Functional Dyspepsia Working Group



Presented at the Fourth Annual PRO Consortium Workshop – Silver Spring, MD – April 24-25, 2013

Background

Rationale for Functional Dyspepsia (FD) Working Group (WG)

 PRO Consortium member representatives and FDA advisors identified FD as an area lacking a "well-defined and reliable" measure of treatment benefit

Goal of the FD WG

• To develop a PRO instrument, in accordance with the FDA PRO Guidance, to measure the symptoms of FD for use in clinical trials as a primary endpoint to establish treatment benefit

Targeted Labeling Language*

- The PRO measure would support an indication of the treatment of the FD subtype as defined by the ROME III diagnostic criteria:
 - 1) Postprandial distress syndrome (PDS), which includes symptoms such as postprandial fullness and early satiation;
 - 2) Epigastric pain syndrome (EPS), which involves symptoms such as epigastric pain and burning; or
 - 3) Co-existing PDS and EPS subtypes

Milestones

Milestone	Start Date	Completion Date
FD WG established		2/7/2011
Scoping Stage	2/21/2011	2/29/2012
Further correspondence with Qualification Review Team to finalize target patient inclusion/exclusion criteria	3/21/2012	4/18/2012
Content Validity Stage		
RFP Issued/Proposals Received	4/2/2012	4/23/2012
Vendor selection	4/23/2012	9/18/2012
Finalization of Proposal/Contracting	9/18/2012	4/5/2013
Kick-off meeting with Adelphi Values	4/17/2013	4/17/2013
Completion of initial qualitative research (concept elicitation, concept selection, item generation, and expert panels)	1 Q 2014	
Refining initial instrument (cognitive interviewing, final expert panel, identification of ePRO platform, translatability assessment)	2 Q 2014	
Quantitative evidence of content validity	3 Q 2014	
Content Validity Summary document submitted to FDA for interim review	4 Q 2014	
Psychometric Analysis Stage	TBD	
Qualification of Instrument	TBD	

Content of Interest

Endpoint model for treatment of FD – Postprandial Distress Syndrome(PDS) Subtype

Endpoint Hierarchy		Clinical Outcome Assessment (COA)/Biomarker/Survival
Primary	FD-PDS Subtype • PDS Symptoms Score	PRO instrument under development

Endpoint model for treatment of FD – Epigastric Pain Syndrome (EPS) Subtype

Endpoint Hierarchy		Clinical Outcome Assessment (COA)/Biomarker/Survival	
Primary	FD-EPS Subtype • EPS Symptom Score	PRO instrument under development	

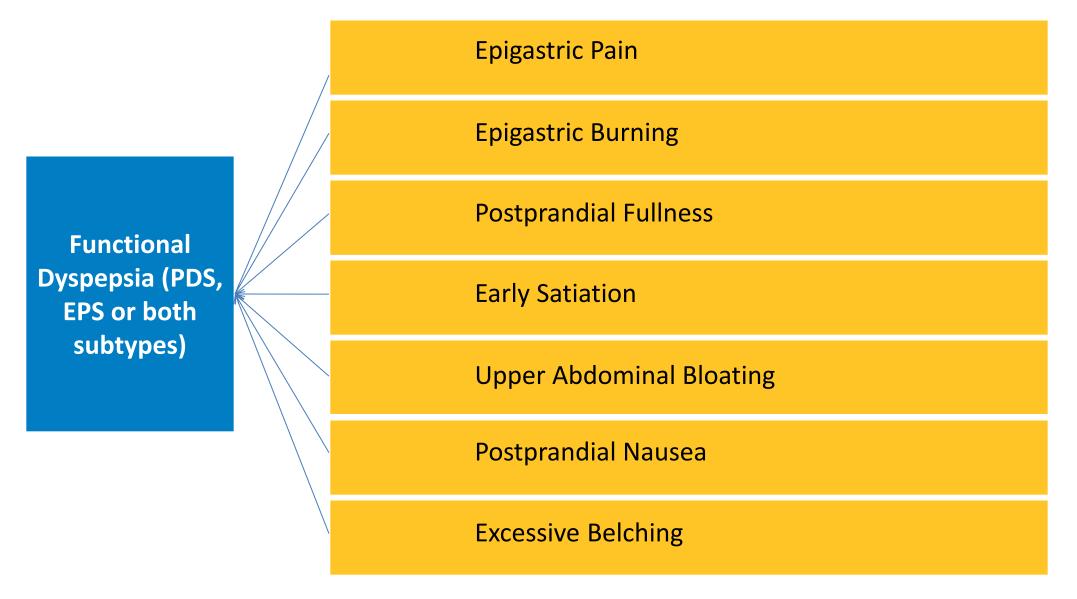
Endpoint model for treatment of FD – Co-existing PDS and EPS symptoms

Endpoint Hierarchy		Clinical Outcome Assessment (COA)/Biomarker/Survival
Primary	FD • PDS and EPS Symptoms Score	PRO instrument under development

Target Population

- U.S. adult patients aged 18 years and older, with a diagnosis of FD (including PDS, EPS, or both) according to the Rome III diagnostic criteria, inclusive of a recent negative endoscopy
- Exclusion criteria include the following conditions: patients with gastroparesis, active irritable bowel syndrome, active chronic constipation, and active GERD (list not exhaustive)

Hypothesized Conceptual Framework*



The conceptual framework was developed for the Summary Stage Scoping Document based on a preliminary review of the literature

Updates

- Obtained agreement from the FDA Qualification Review Team (QRT) to enter the qualification program for a PRO measure in FD February 29th, 2012
- Obtained further clarification on patient inclusion/exclusion criteria from QRT on April 18, 2012
- Scoping Stage Summary Document revised to reflect discussions with QRT
- Vendor selection complete and contracting with Sponsors completed April 5, 2013
 - Adelphi Values selected as vendor collaborator

Working Group Plans

Next Steps

- Kickoff of Content Validity Stage with Adelphi Values held April 17, 2013
- Discussions ongoing regarding identification of key opinion leaders for expert panel engagement

Dissemination Plan

To be developed

Topics for Discussion

Unique Issues for the Working Group and the Resolution

- Lack of agreement with FDA QRT regarding a consensus definition of FD leading to challenges with defining the target patient population
 - The FD WG was able to negotiate a path forward with the FDA.

Lessons Learned

- Timely feedback from FDA QRT is critical to inform progress of WG
- Composition of working group with both PRO, clinical, and regulatory representatives has been useful in providing different perspectives

Working Group Participants

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	Organization	Name
	Forest Research Institute, Inc.	Robyn Carson, MPH (Co-Chair), Steven J. Shiff, MD
	Ironwood Pharmaceuticals, Inc.	Brooke Dennee-Sommers, Gregory Gordon, JD, MD
	Shire Development Inc.	Linda Deal, MS (Co-Chair), Debra G. Silberg, MD, PhD

Contract Research Organization	Research Team
Adelphi Values	Alan Shields, PhD; Fiona Taylor, MBiochem; Patrick Marquis, MD, MBA; Farrah Pompilus, MA; Catherine Foley,
	MPH, MA; Ramon Iovin, PhD; Megan Daggett, BA

* Note: Prior to conducting qualitative research with patients, it is not known whether a separate symptom complex exists between the two individual subtypes of FD (EPS and PDS), nor is it known at this point whether these subtypes would be evaluated in a particular clinical trial. Target labeling language and the conceptual framework will evolve based upon patient feedback and qualitative findings.