Review of Previous Call Summary

- The 08.04.2016 call summary was approved as presented

PDFF Accuracy & Precision Meta-Analysis (Dr. Yokoo)

- PDFF BC materials are in Dropbox; new accounts may be obtained by emailing Dr. Reeder: sreeder@uwhealth.org
- All files are located at “Dropbox/QIBA PDFF Task Force/Meta-Analysis”
- Authorship
  - Only 7 of the papers reviewed were not written by PDFF BC members
  - PDFF BC members were encouraged to share raw data from their studies
  - Authorship of the PDFF Profile to be offered to those who contribute data and/or write Profile content; honorary authorship to be avoided
  - Dr. Hernando to send authorship guidelines to Dr. Yokoo
  - Dr. Yokoo to draft “request for data” email to send to paper authors
- Progress Update
  - Phase I – Literature Review (Aug) – complete
  - Phase II – Data Collection (Sept) – started
  - Phase III – Data Analysis (Oct)
  - Phase IV – Manuscript Preparation (Nov-Dec)
- Literature Search
  - Accuracy – 74 articles in PubMed
  - Precision – 54 articles in PubMed
- Abstract Screening Results
  - Paper is excluded if no imaging, not human subject, or not concerning PDFF
  - Accuracy – 32 articles
  - Precision – 23 article
Full Paper Screening Results

- **Accuracy**
  - Paper is excluded if it is a secondary analysis, not concerning PDFF, or no MFS
  - 25 articles (may include duplicate subjects)

- **Precision**
  - Paper excluded if it is a secondary analysis, not concerning PDFF, not precision analysis, or ex vivo
  - 9 articles

- Reference list of articles has been completed; it contains papers by PDFF BC members at: Duke University, Children’s Hospital Los Angeles, University of Wisconsin-Madison, University of California-San Diego (UCSD) and other institutions

- PDFF BC members to identify any further (potentially partial) duplicate data
- Rationale for including intervention trials
  - Add variable to account for set of changes in time
  - Include baseline data
  - Placebo control group = test-retest population (over span of multiple weeks or months)

- Data from each study is being compiled
- Data Model information
  - Random effects model considered a solid starting point
  - Accuracy: MRS PDFF
  - Precision: Measurement
    - Bias: true PDFF, field, vendor, recon
      - MRI-H has been added to recon
    - Variance: exam, acquisition, Region of Interest (ROI)

- Model changes may occur after getting all of the data from paper authors
- Discussion on how to summarize age and gender as they are not reported in uniform fashion across papers

**New business**
- Next call: Thursday, October 6, 2016 at 3 PM CT