CLINICAL TRIALS METHODOLOGY WORKSHOP			
Course Orientation	and Overview		
Course Co-Directors:			
Michael C. Soulen, MD FSIR FCIRSE U of Pennsylvania	Jeffrey D. Blume, PhD FASA U of Virginia		
RSNA 1			











Select TOC by clicking on it		
1	able of T	
		Table of Contents
1 PR	OTOCOL SUMMARY	NAMES OF A DESCRIPTION OF A
1.1	Synopsis	1
1.2	Schema	2
1.3	Schedule of Activities (SoA)	2
2 IN	TRODUCTION	2
2.1	Study Rationale	2
2.2	Beckground	2
2.3	Risk/Benefit Assessment	2
3 ST	UDY DESIGN	
3.1	Overall Design	2
4 08	SIECTIVES AND ENDPOINTS (OUTCOM	/E MEAURES)
5 ST	UDY POPULATION	
5.1	Inclusion Criteria	2
5.7	Exclusion Critteria	2
5.3	Strategies for Recruitment	2
6 ST	UDY INTERVENTION	
6.1	Study Intervention(s)	2
6.2	Measures to Minimize Bias: 8	landomization and Blinding
fi.3	Concomitant Therapy	2
7 ST	UDY EFFICACY AND SAFETY ASSESSM	ENTS2
7.1	Efficacy Assessments	2











## **Protocol Templates**

- This template is a comprehensive compilation of all the issues that might need to be addressed in a clinical trial protocol
- Not all of the sections apply to every protocol.
- The Protocol Development Group (PDG) discussions will help you decide which issues are specifically relevant to your protocol.



### What students struggle with: Objectives, Outcomes, and Hypotheses

- Objectives are the Aims or Goals of the study
- An objective is the purpose for performing the study in terms of the scientific question to be answered. Express each objective as a statement of purpose (e.g., to assess, to determine, to compare, to evaluate) and include the general purpose (efficacy, diagnostic accuracy, safety) and/or specific purpose (superiority to control, effect of an intervention on disease incidence, disease severity, or health behavior).
- One Primary Objective drives the study design. May have many secondary and tertiary (exploratory) objectives.



#### What students struggle with: Objectives, Outcomes, and Hypotheses

- The Primary Objective must have an associated hypothesis. This will determine the statistical methods and sample size required to perform the study.
- Secondary Objectives may or may not have associated hypotheses. Study will not be powered for these. May be exploratory or correlative.



# Suggestions for a Great Week

- Show up
- Pay attention
- Participate in all discussions especially in PDGs
- Turn in deliverables on time
- Seek new mentors
- Have fun & meet new people

