

CRED: Understanding Clinical Development Programme 10-11 October 2023 Day one

Chairperson: Steve Pinder, Envestia Ltd

Time	Activity	Speaker				
09:20	Registration and Coffee					
09:30	Introduction to TOPRA					
09:35	Welcome and Introduction Clinical Development in Context Target product profile Use 10-year development diagram, say where everything fits in Why are clinical data needed? Relevance of preclinical data Definitions of Phases I, II, III and IV. Clinical development strategy and the Clinical Development Plan Sources of advice and timing Need for a PIP					
09:50	 To see how the drug is handled in man To understand the basic parameters used to describe the PK of a drug To understand the importance of PK in drug development Describe the different processes involved in Pharmacokinetics: absorption, distribution, metabolism and excretion Define the PK parameters which describe each process, e.g. Cmax, t½, AUC, Volume of distribution, Clearance, Bioavailability etc, and their relevance Discuss multiple dosing and non-linear kinetics Understand the importance of metabolism including,	Marco Siccardi Labcorp				



Time	Activity	Speaker				
	 Discuss generation of PK data throughout the different phases of Drug development including Overview of studies performed in phase I, II and III Standard PK sampling employed in Phase I and II. Use of sparse sampling and population PK approaches in Phase III. Discuss importance of validation of analytical methods – as a regulatory requirement. 	Speaker				
10:30	Tea/ coffee break					
10:50	Clinical Pharmacodynamics First in human trials Guideline Objectives of clinical pharmacodynamic studies Mechanism/onset/duration of action Examples of pharmacodynamic models Different study designs Identification of sub-group differences e.g. disease-related, gender, age, race, geography (racial sub-populations) Biomarkers					
11:30	Practicalities of clinical pharmacodynamic studies Panel Discussion					
12:00	Lunch					
13:00	Optimal Study Design - Objectives and Issues Relating to Phase II studies Objectives of Phase II studies Proof of concept" Design of Phase II studies Definition of target patient population Choice of end point(s) Dose response Initial identification of possible safety issues Importance of keeping the target product profile in mind throughout Adaptive design and accelerated development Conditional approval	Carly Barraclough Amgen LTD				
14:00	Paediatric Investigation Plans	Steve Pinder				
	Legal framework	Envestia Ltd				



Time	Activity	Speaker		
	Why children are different			
	 Preferred approaches to clinical development in children 			
	 Devising PIP strategy 			
	 Content and format of a PIP 			
	PIP review process			
	Compliance Check			
14:35	:35 Case study and feedback session			
	Tea to be taken in case study groups			
17:00	Close			



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Day two

Chairperson: Beatrix Friedeberg, Johnson & Johnson

Time	Activity Speaker				
08:55	Introductory comments Chair				
09:00	 Design of Clinical Trials to Support Proof of Efficacy (Phase III) Confirmation of efficacy in the target patient population Considerations for trial design e.g. control groups, duration of treatment Long term safety data (circumstances when needed) Choice of comparator (placebo vs active comparator) Statistical issues – stats plan, primary and secondary endpoints, exploratory endpoints Enlargement of the safety data-base to support the safety sections of the SmPC Inclusion of quality of life (QoL) and other pharmaco-economic end-points to support pricing/reimbursement Master protocols 	Beatrix Friedberg Johnson & Johnson			
10:00	Tea/ coffee break				
10:30	 Pharmacovigilance - aims and objectives Definitions Clinical Trial Regulation - Reporting Causality attribution Risk management plans PASS Studies The SPC Current EU Pharmacovigilance Legislation - mention Reference Safety Information (RSI) and new guidance 	Glyn Belcher PV Consultancy Ltd			
11:30	Panel discussion				
12:00	Lunch				
13:00	Case study and feedback session				
15:15	Tea to be taken in case study groups The Perspective of a Regulatory Authority Reviewer	Tomáš Radiměřský			
	 Specific examples of what regulatory agencies look for Common problems with the clinical data in MAAs 	State Institute for Drug Control (SUKL)			



Time	Time Activity		
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16:00	Summary	Chair	
16:30	Close		

Delegates will be encouraged to ask questions throughout the day so as to ensure the meeting is as interactive as possible.