

# The Multi-PART process

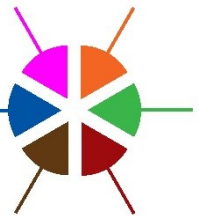
Project management

Experimental design

Regulation and ethics

Data management

Analysis



# The Multi-PART process

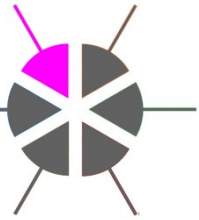
Agreement to proceed with project

Experimental design: groups, outcomes, power calculations

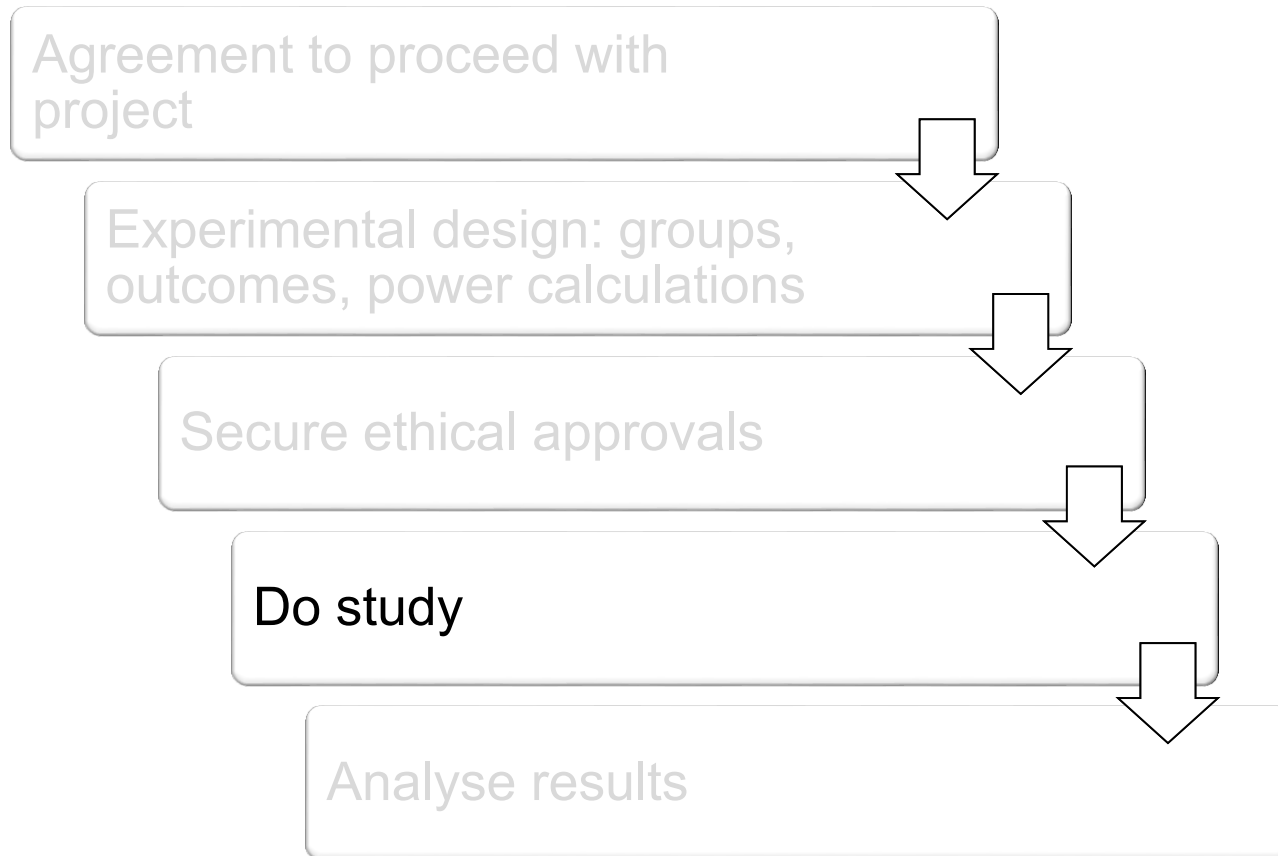
Secure ethical approvals

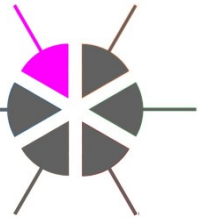
Do study

Analyse results



# Data management: the MultiPART machine





# Data management: the MultiPART machine

Agreement to proceed with project

Experimental design: groups, outcomes, power calculations

## **Do study:**

Set up study on system

Randomise animals

Capture outcomes

Monitor progress

Feed outcomes to assessment panel

Feed data to analysis WP



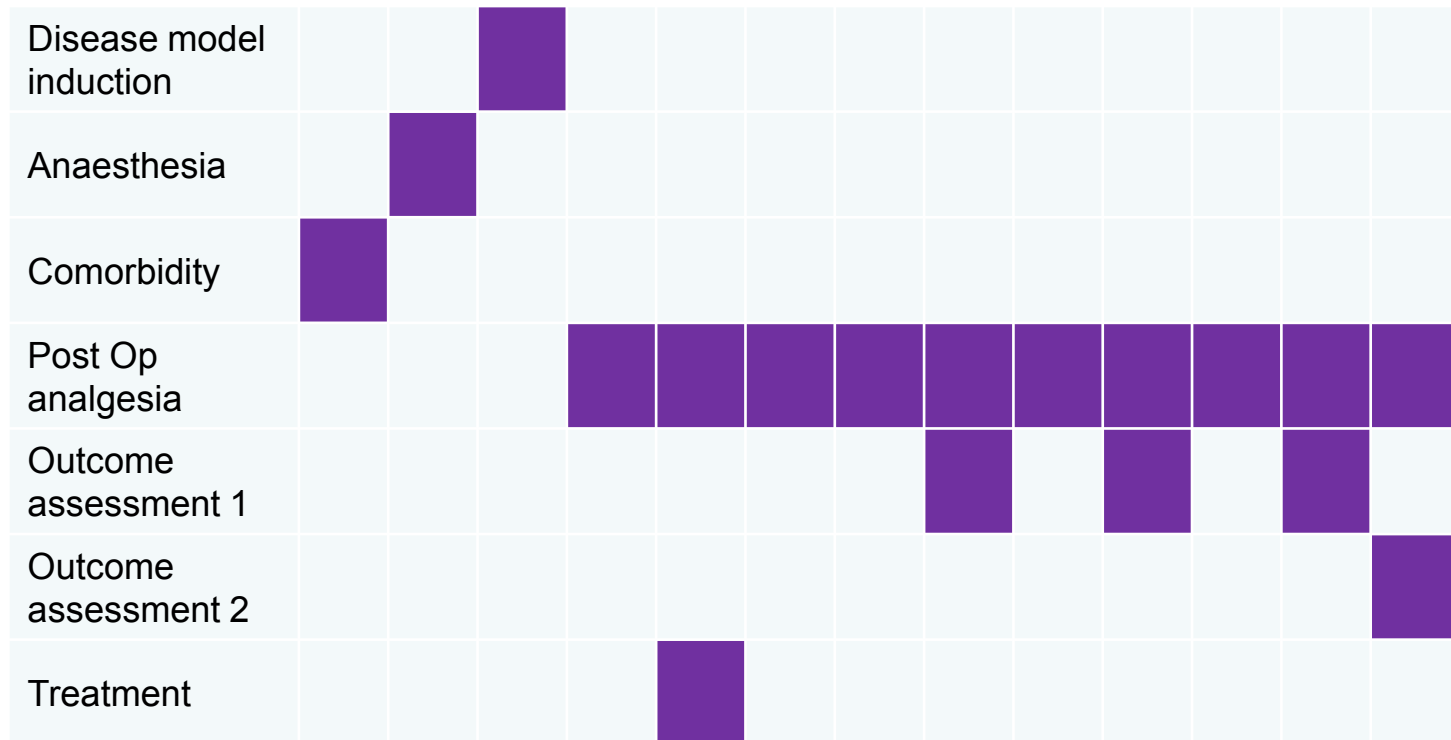
# Setting up a study

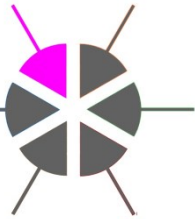
- Define participating centres
- Define cohorts
  - Sex
  - Strain
  - Size
  - Age and/ or weight
- Define procedures
  - Disease model induction
  - Anaesthesia
  - Induction of comorbidity
  - Treatment
  - Outcome assessment
  - Post op analgesia

- Assign procedures to cohorts
- Assign animals to participating centres

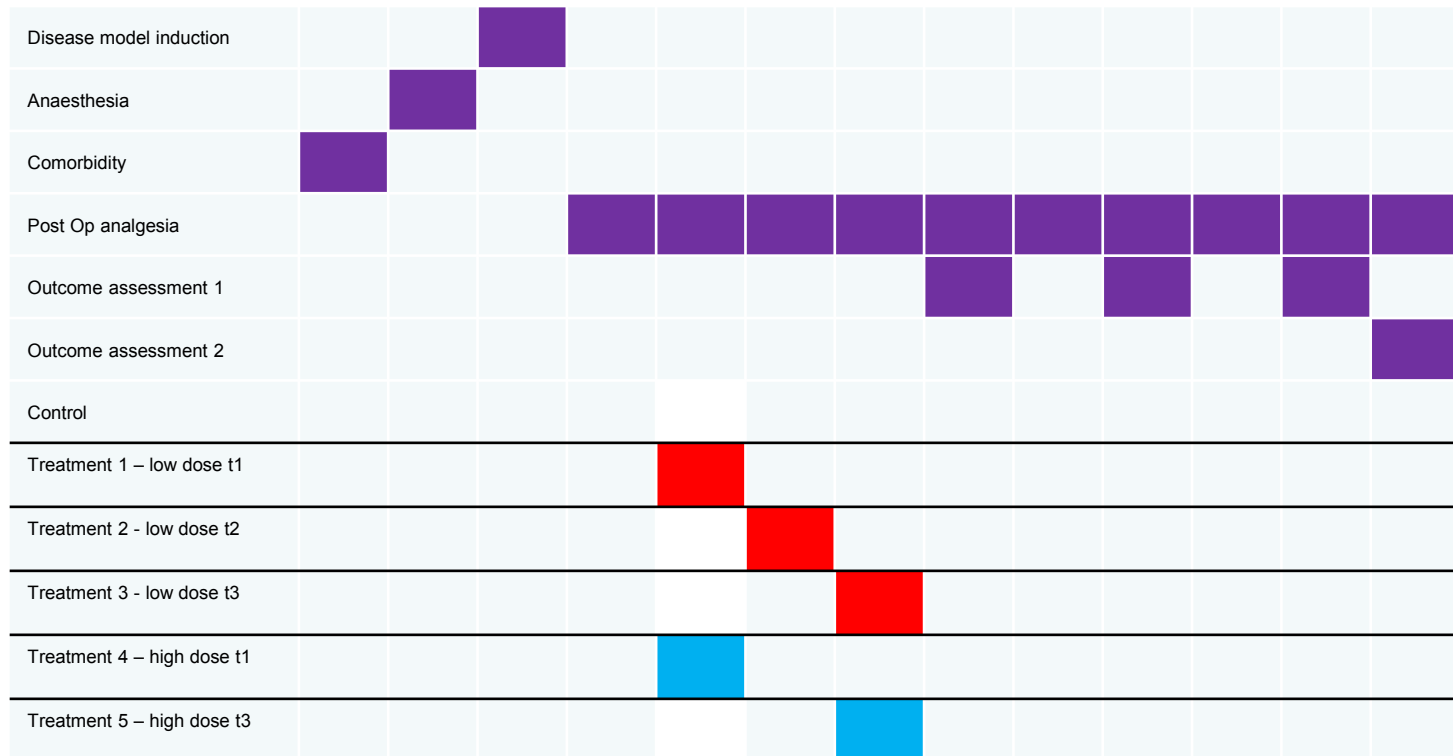


# Assign procedures to cohorts





# Assign procedures to cohorts





# Assign animals to participating centres

Centre	A	B	C	D	E	F	G	H	Total
Control	13	13	10	10	10	10	7	7	80
Treatment 1 – low dose t1	10	5	5	5	5	5		5	40
Treatment 2 - low dose t2	5	5	5	5	5	5	5	5	40
Treatment 3 – high dose t1	10	10	5	5	5	5			40
Treatment 4 – high dose t2	5	10	5	5	5	5	5		40
<b>Total</b>	43	43	30	30	30	30	17	17	240