Same patient, same evidence, different treatment: ***Explaining variation and equipoise in perioperative care***

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Tech4health Conference, London
Wednesday 4th November 2026

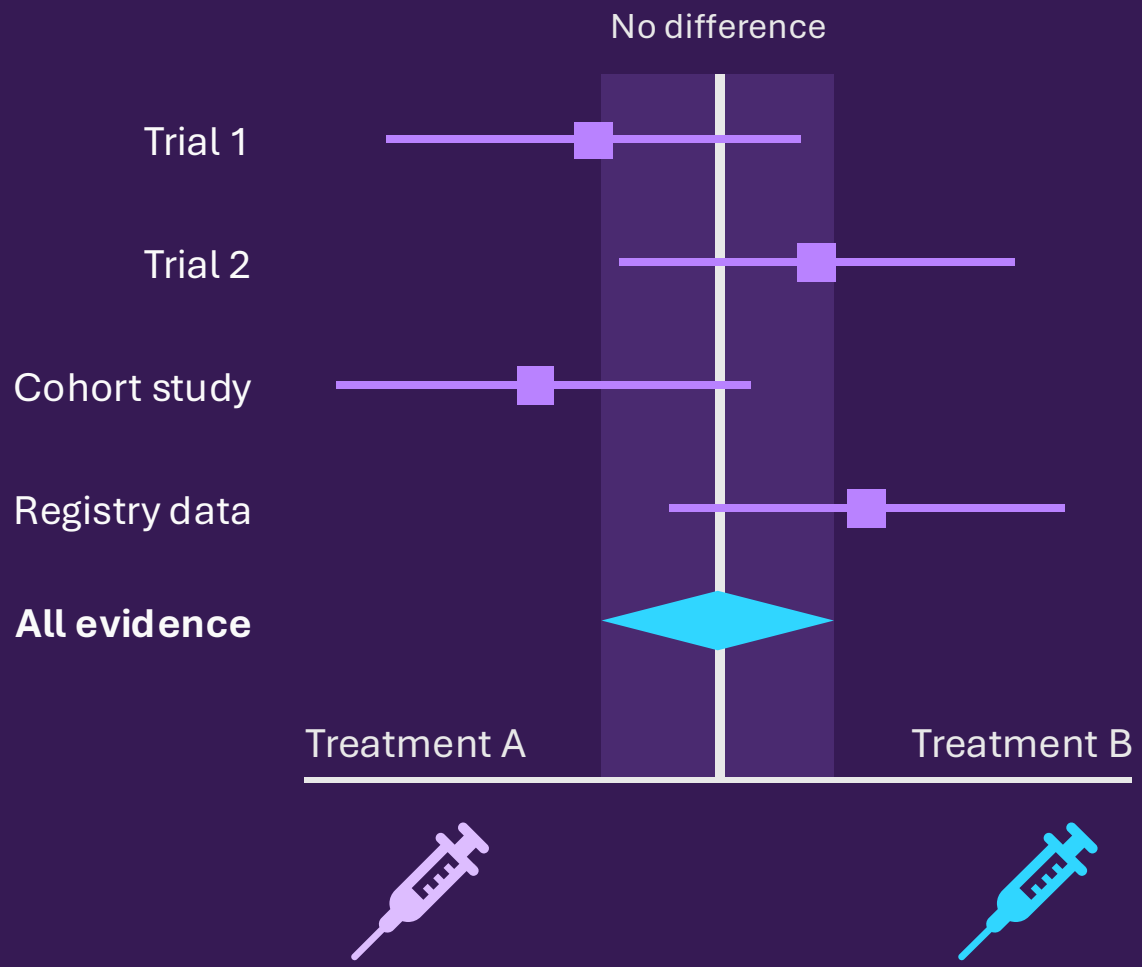
How should I anaesthetise my patient?

Ask 3 doctors,
Get 5 different answers



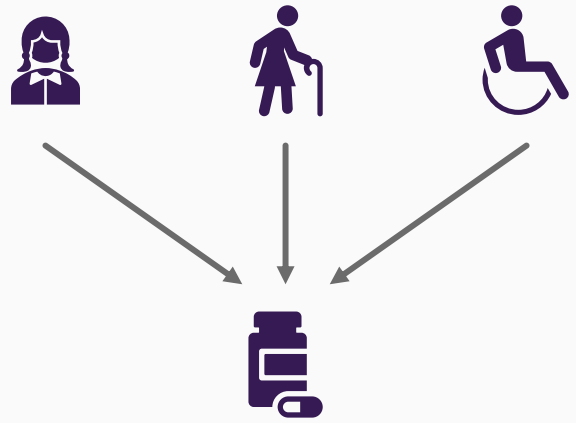
Equipoise

A state of balance between two treatment options



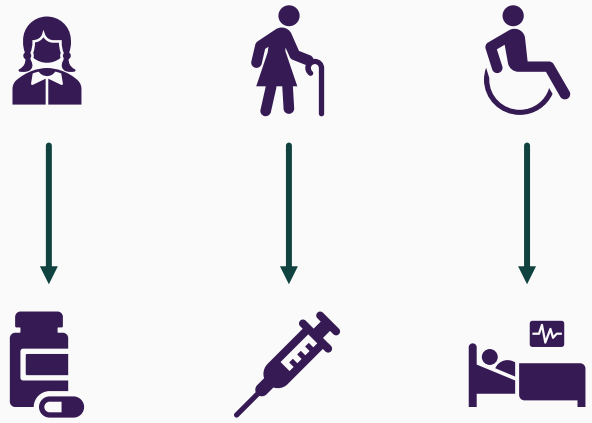
Good variation fits care to the patient

Unwarranted lack of variation



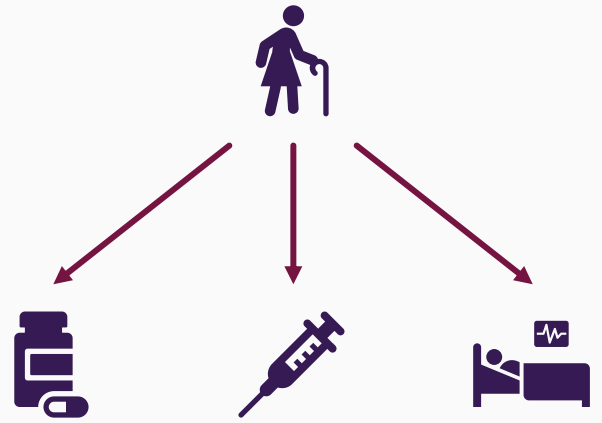
Different needs, same treatment

Warranted variation



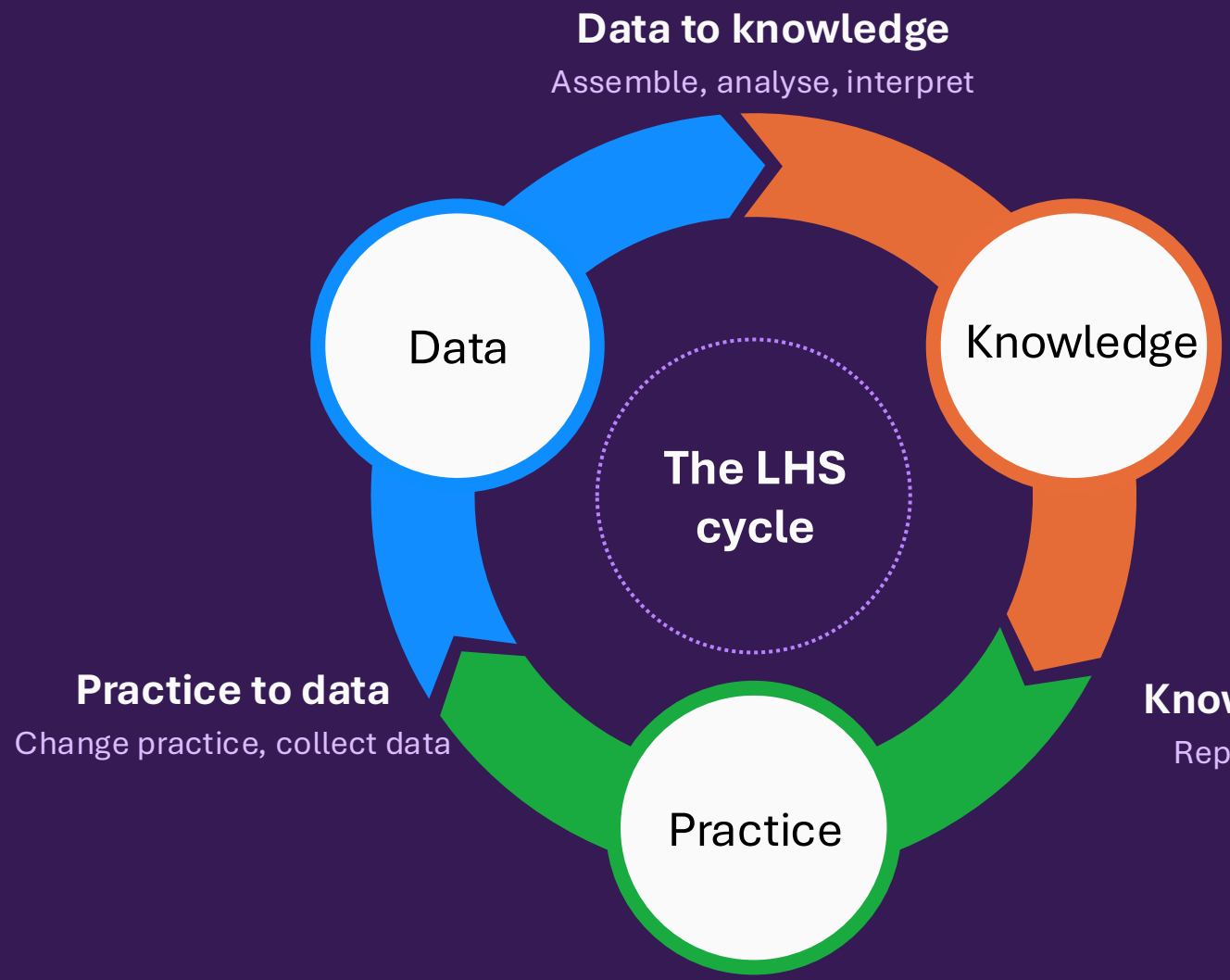
Personalised care

Unwarranted variation

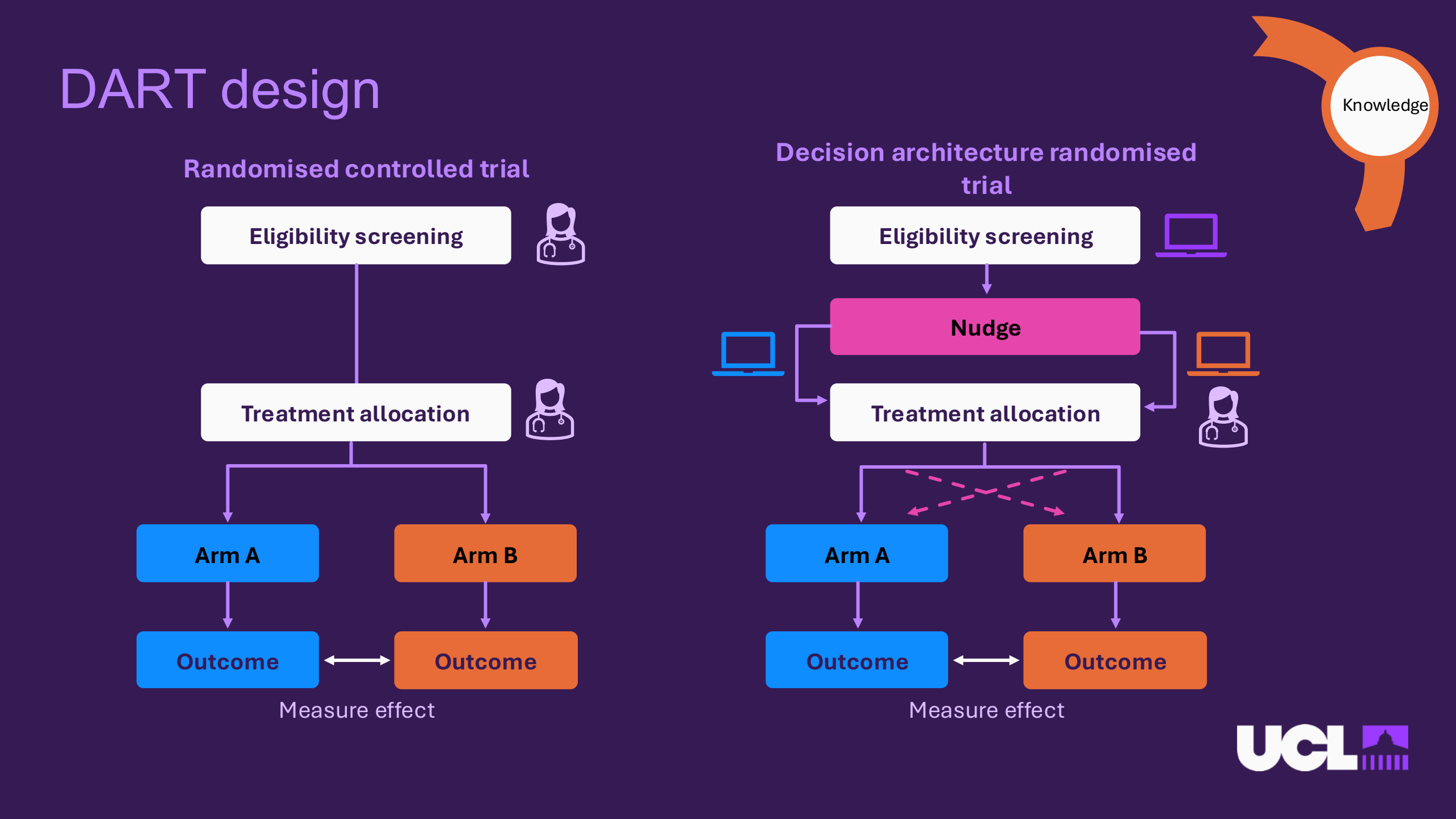


Same need, different treatment

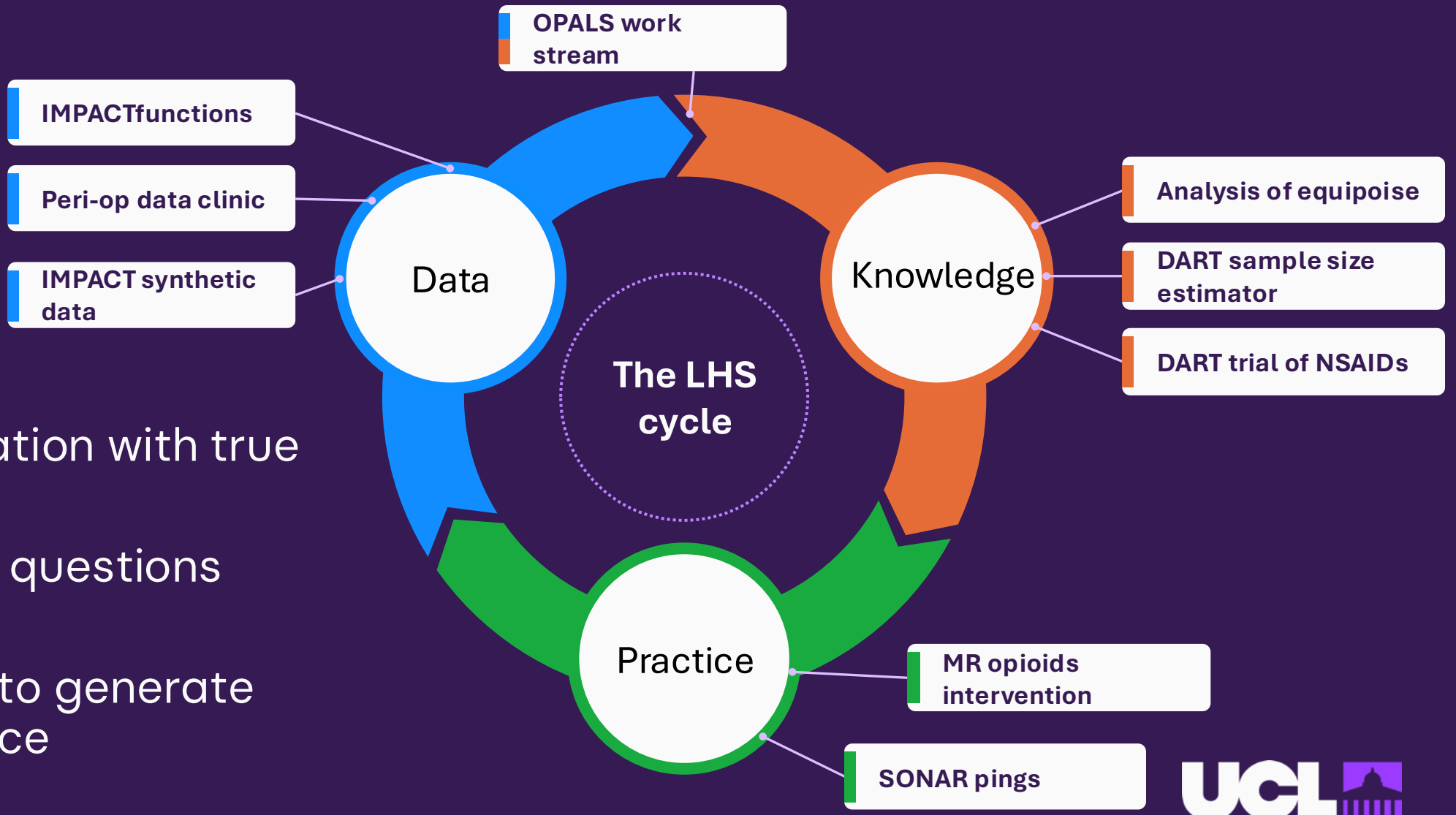
The Learning Health System



DART design


Knowledge
Randomised controlled trial
Eligibility screening
Treatment allocation
Arm A
Arm B
Outcome
Outcome
Measure effect
Decision architecture randomised trial
Eligibility screening
Nudge
Treatment allocation
Arm A
Arm B
Outcome
Outcome
Measure effect

PhD Roadmap



1. Identify variation with true equipoise
2. Prioritise the questions that matter
3. Utilise DART to generate novel evidence

Thank you!

Portfolio





Supervision:
Professor Harris and Dr Wilson

Funded and supported by:

NHS
University College London Hospitals
NHS Foundation Trust

UKRI Engineering and Physical Sciences Research Council

SAFEHR
Secure | Anonymised | Fair Electronic Health Records

NIHR | Central London Patient Safety Research Collaboration

NIHR | Biomedical Research Centre

with thanks

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