

Healthcare Innovation Summer Scholarship 2021/2022



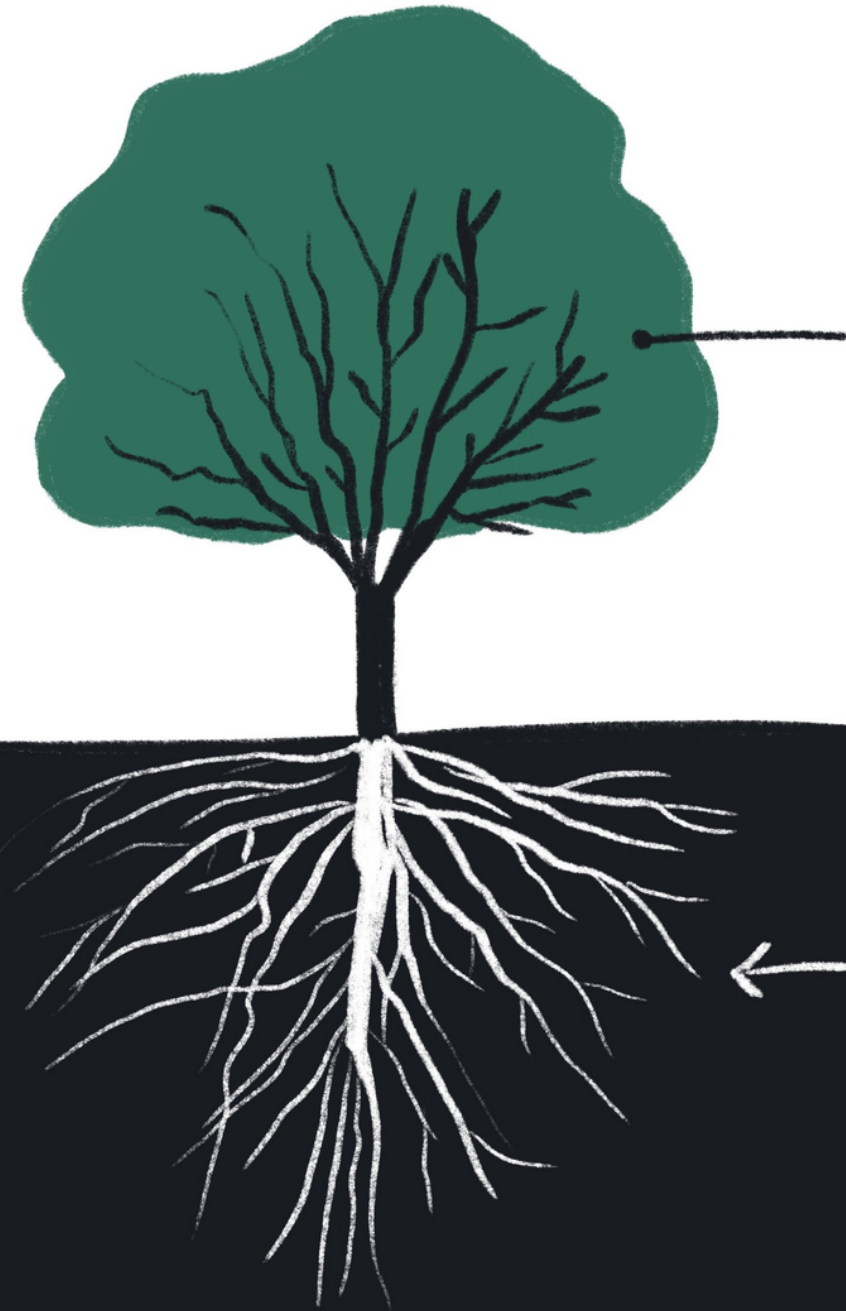
Project Gravitar

Project lead:

Matri Justitian, Rishikha Thangavelu,
Emma Poon

Clinical Champion: Lisa Moran

Supervisors: Joanne Enticott, Siew Lim



WHAT YOU'RE
FIXING

THE REAL
PROBLEM

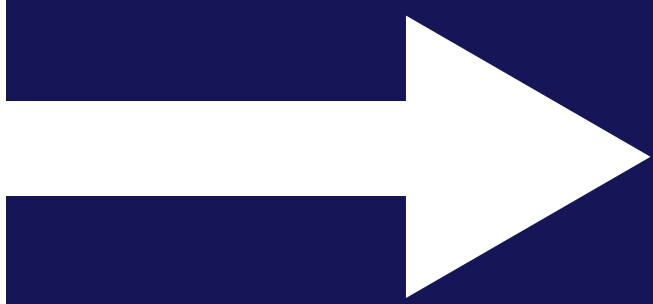
1 in 5

Pregnant women

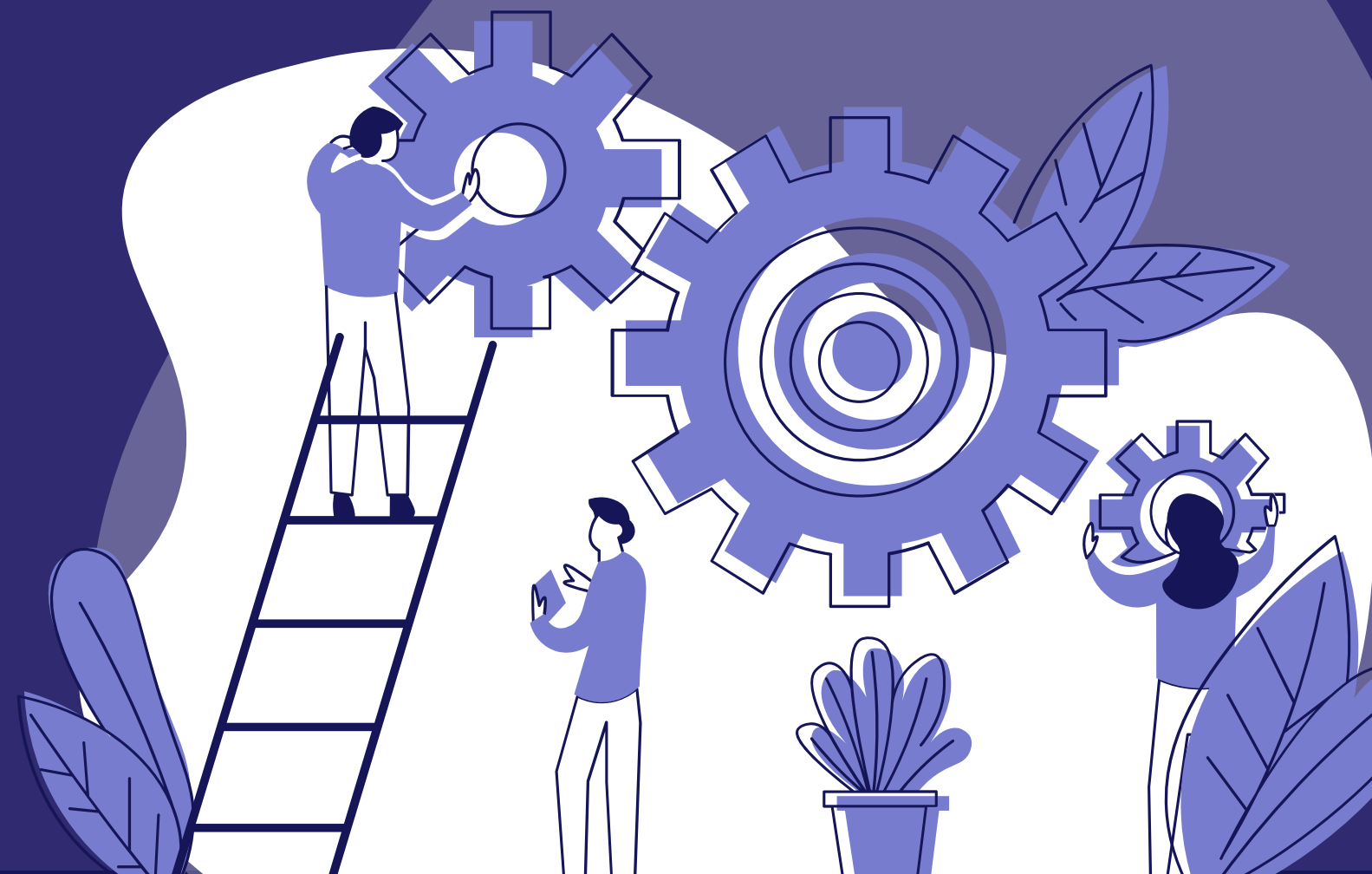
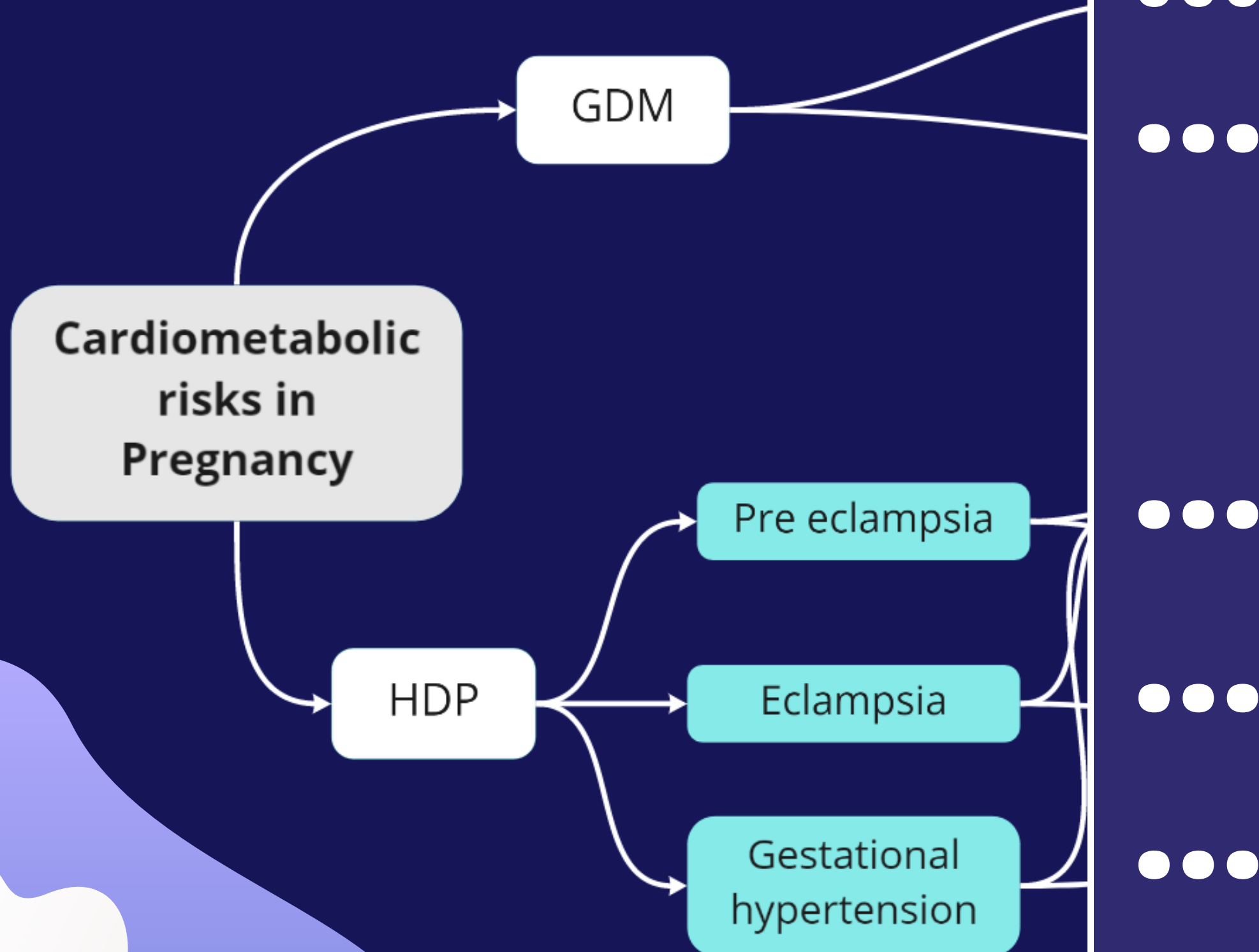


Problem

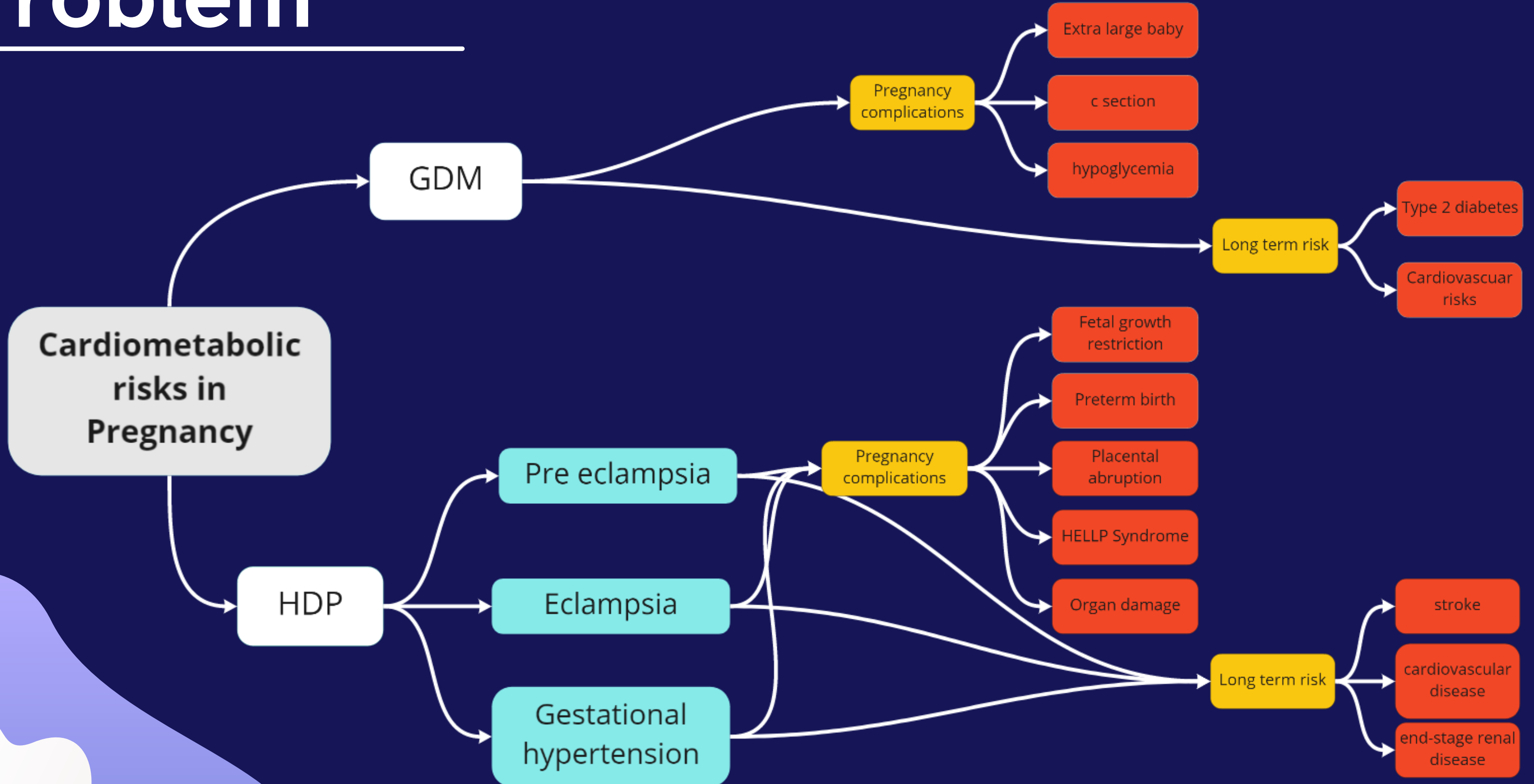
**GESTATIONAL
DIABETES
MELLITUS(GDM)
&
HYPERTENSIVE
DISORDER IN
PREGNANCY(HDP)**



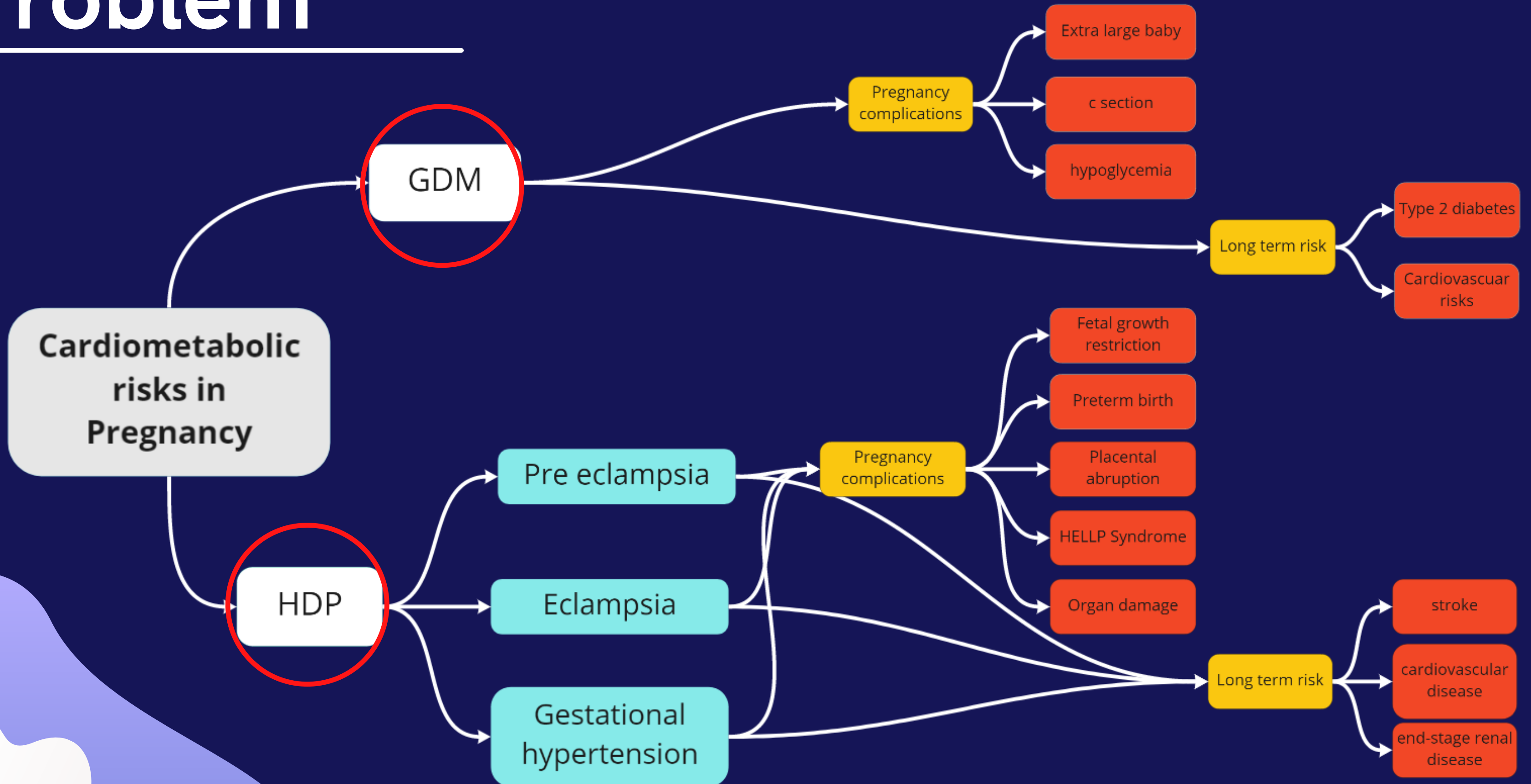
Problem



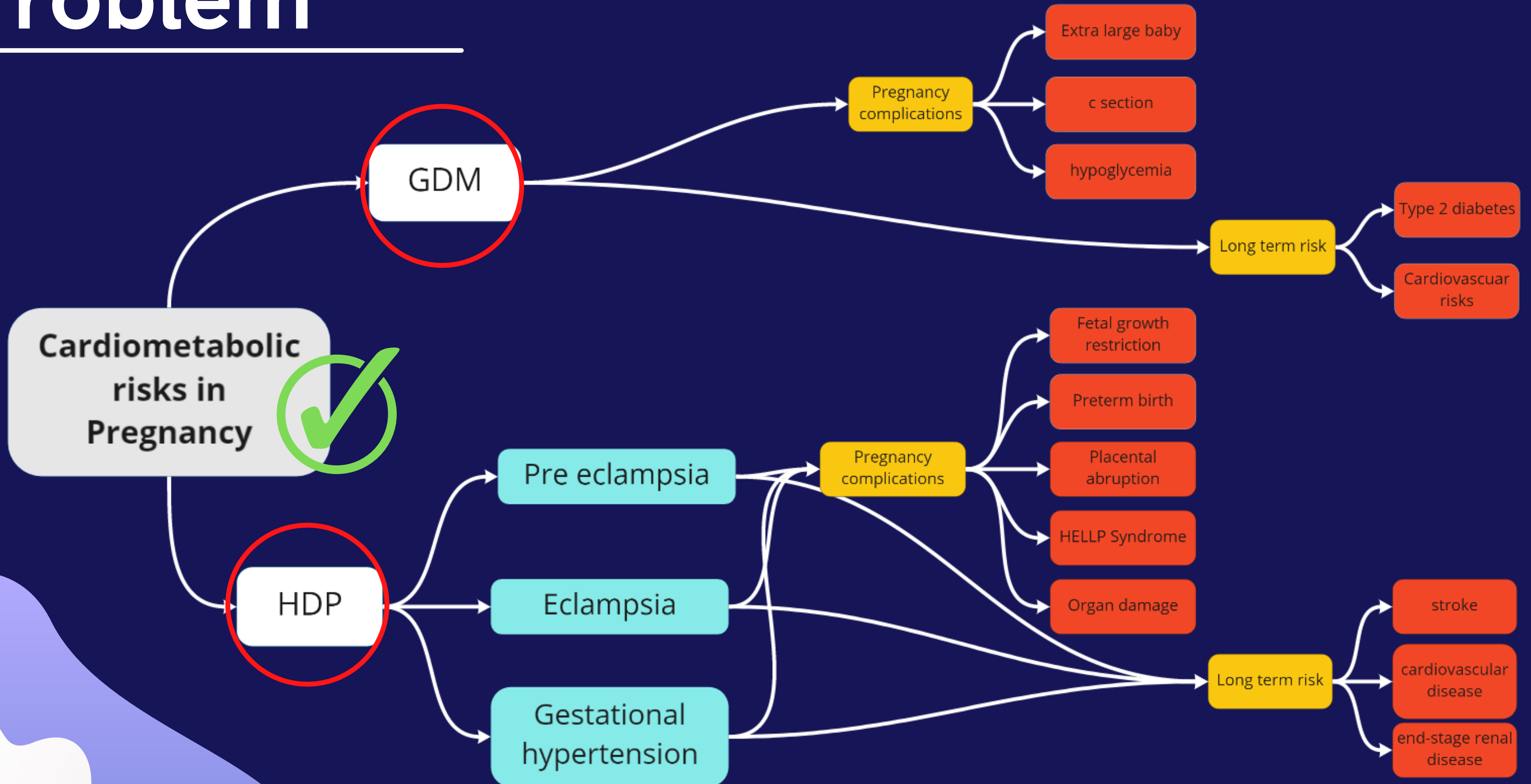
Problem



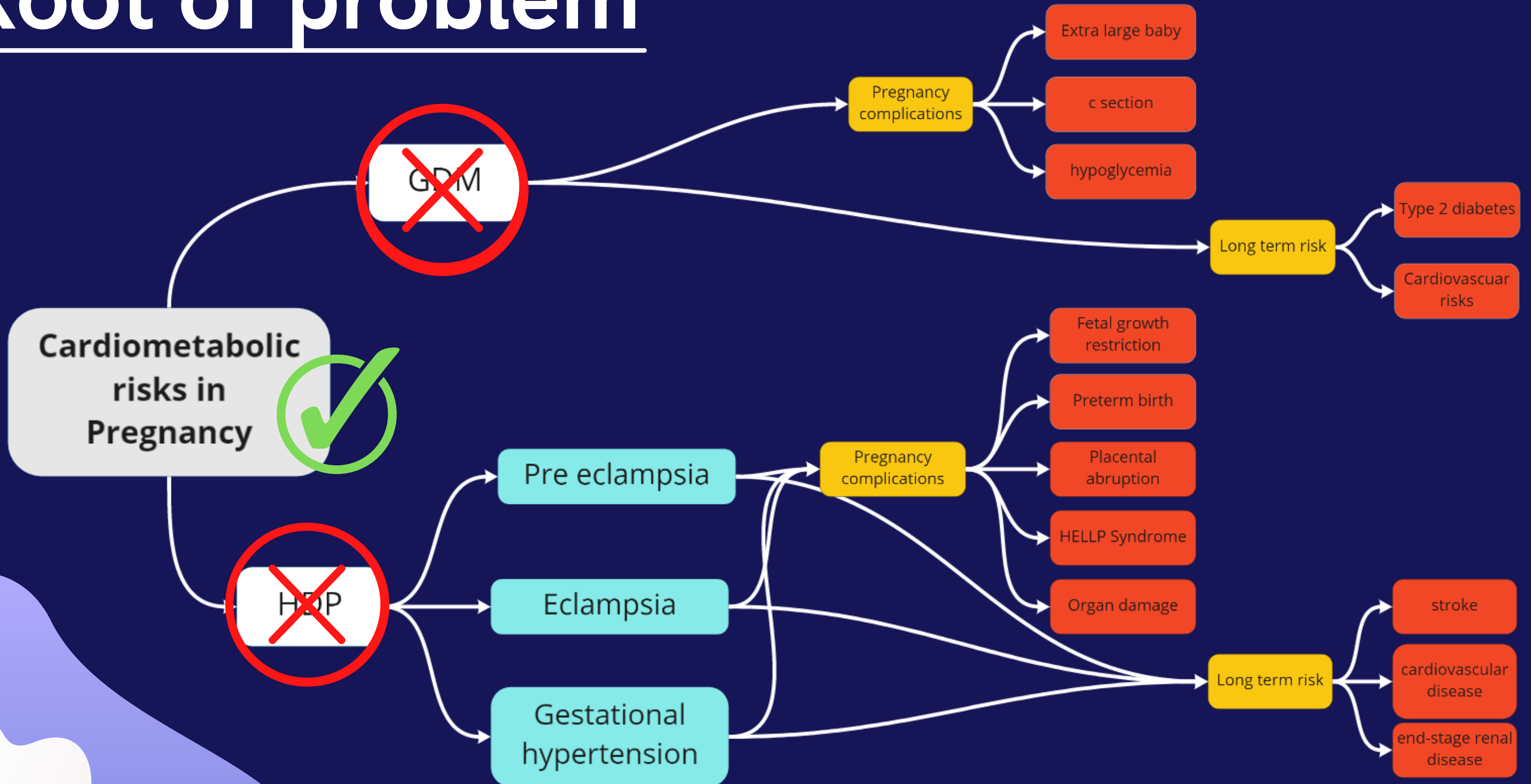
Problem



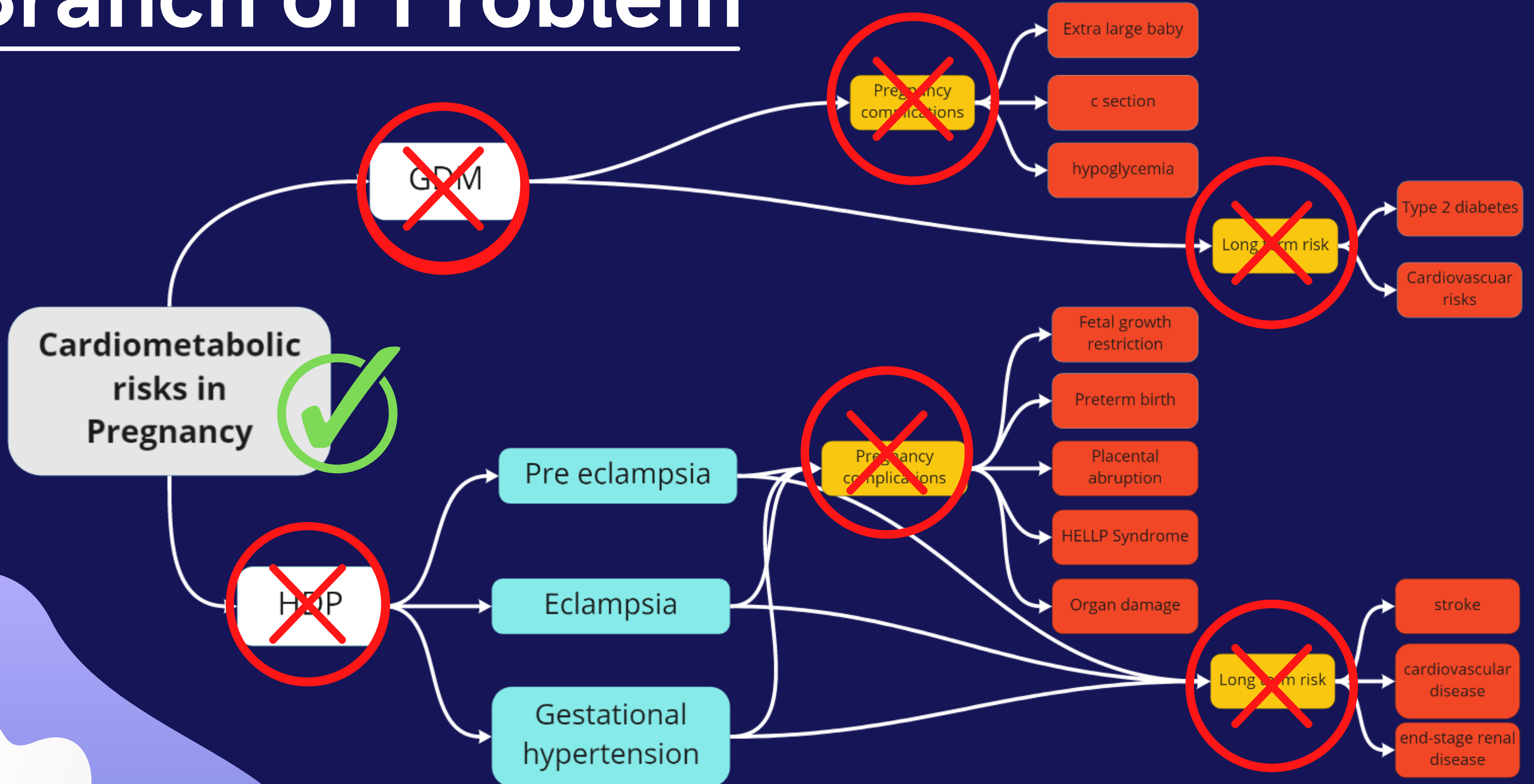
Problem



Root of problem



Branch of Problem



Impact



- 700,000 US women each year
- Cost US\$3.58 billion on the healthcare system
- Increasing trend



56%

GDM



25%

pre-eclampsia

Current Solution



Less factors,
less info



More expensive,
UK based data



Less factors,
poor interpretability



The Solution

Front End



Early
Diagnosis



Easy and
Understandable



Appropriate
Communication

The Solution

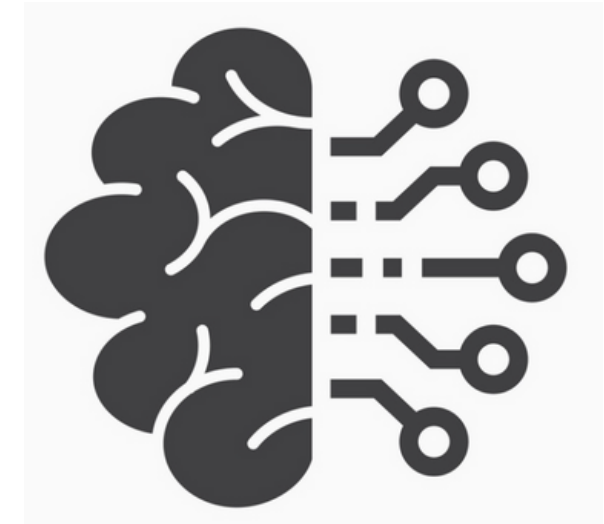
Back End



Dataset

160

Factors



Dynamic Model

THE TEAM



**Rishikha
Thangavelu**



**Joanne
Enticott**



**Emma
Poon**



**Lisa
Moran**



**Maitri
Justitian**



**Siew
Lim**



