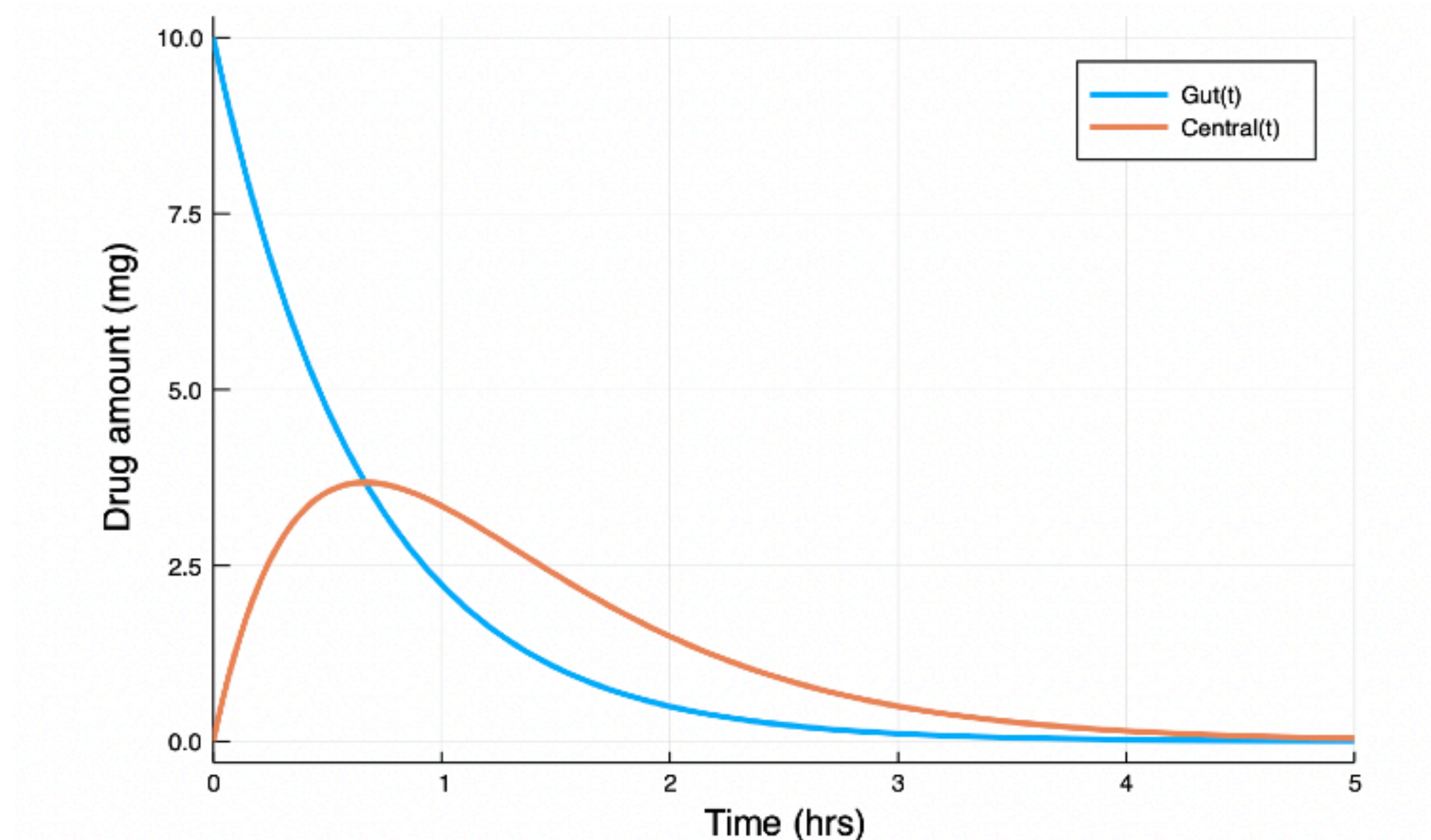


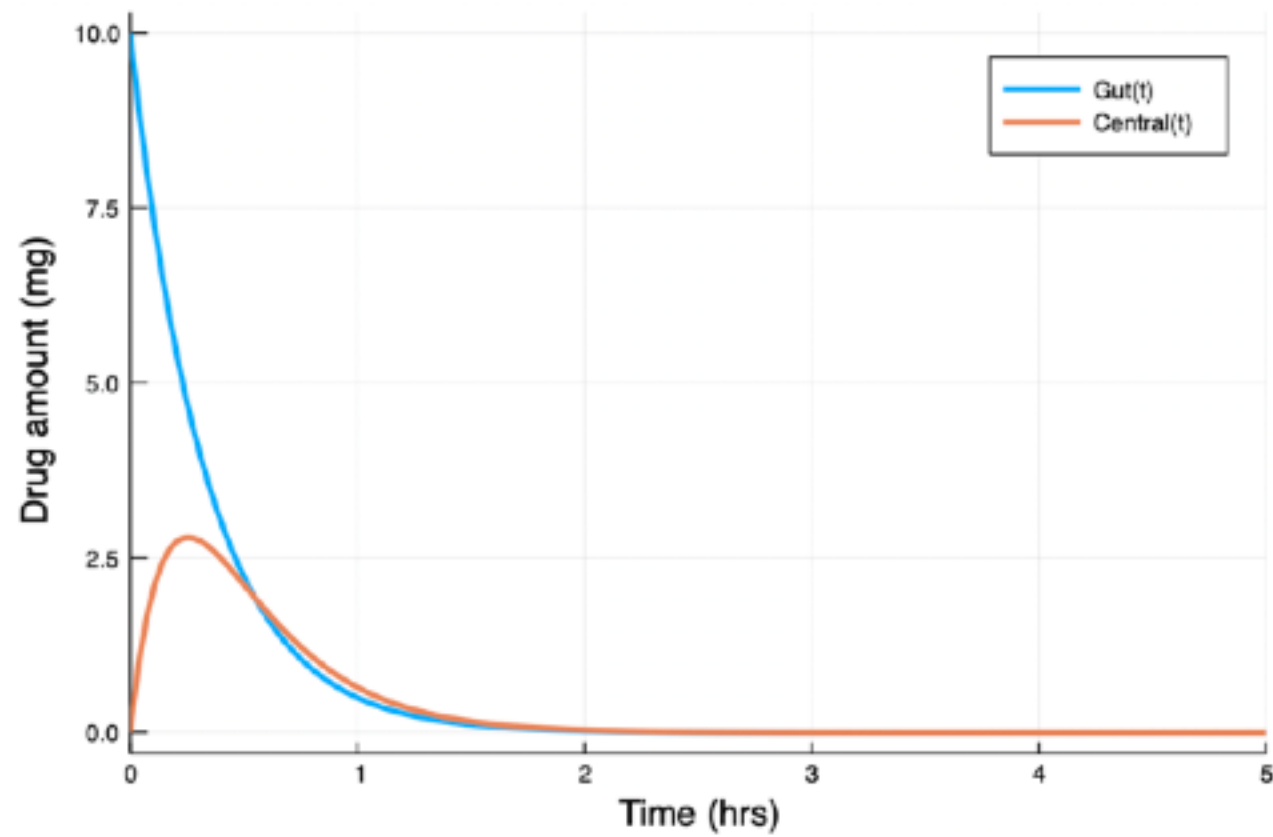
# Modelling the drug amount in the body

$$\frac{dGut}{dt} = -Ka \times Gut$$

$$\frac{dCentral}{dt} = Ka \times Gut - \frac{CL}{V} \times Central$$

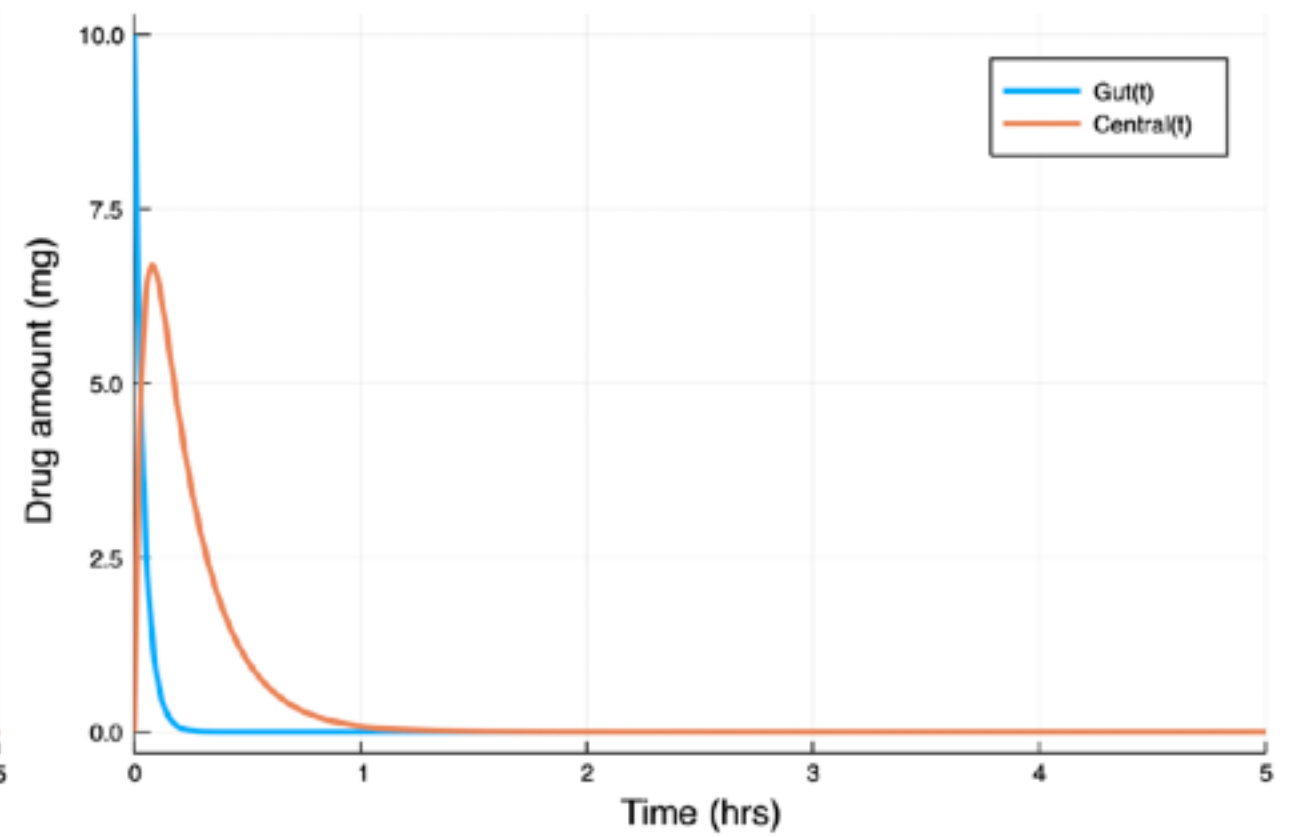


# But the parameters?



$$K_a = 3$$

$$CL/V = 5$$



$$K_a = 25$$

$$CL/V = 5$$