

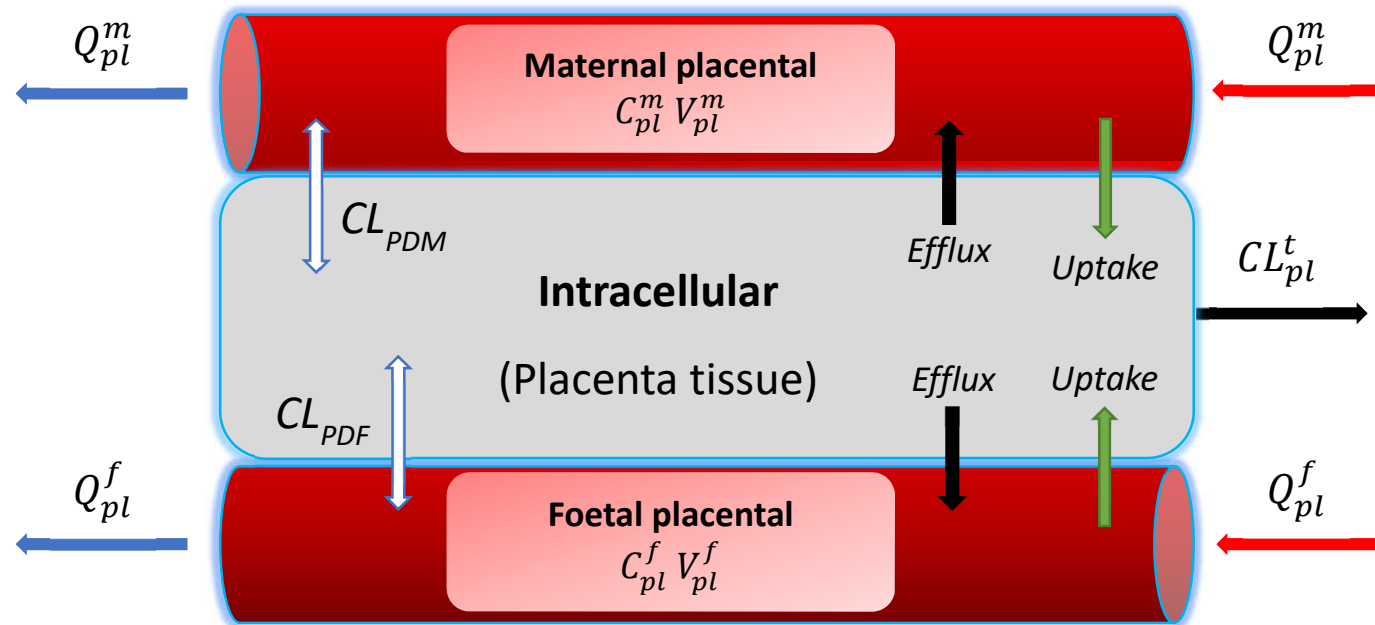
# Optimising Fluvoxamine Maternal/Fetal Exposure during Gestation: A Pharmacokinetic Virtual Clinical Trials Study

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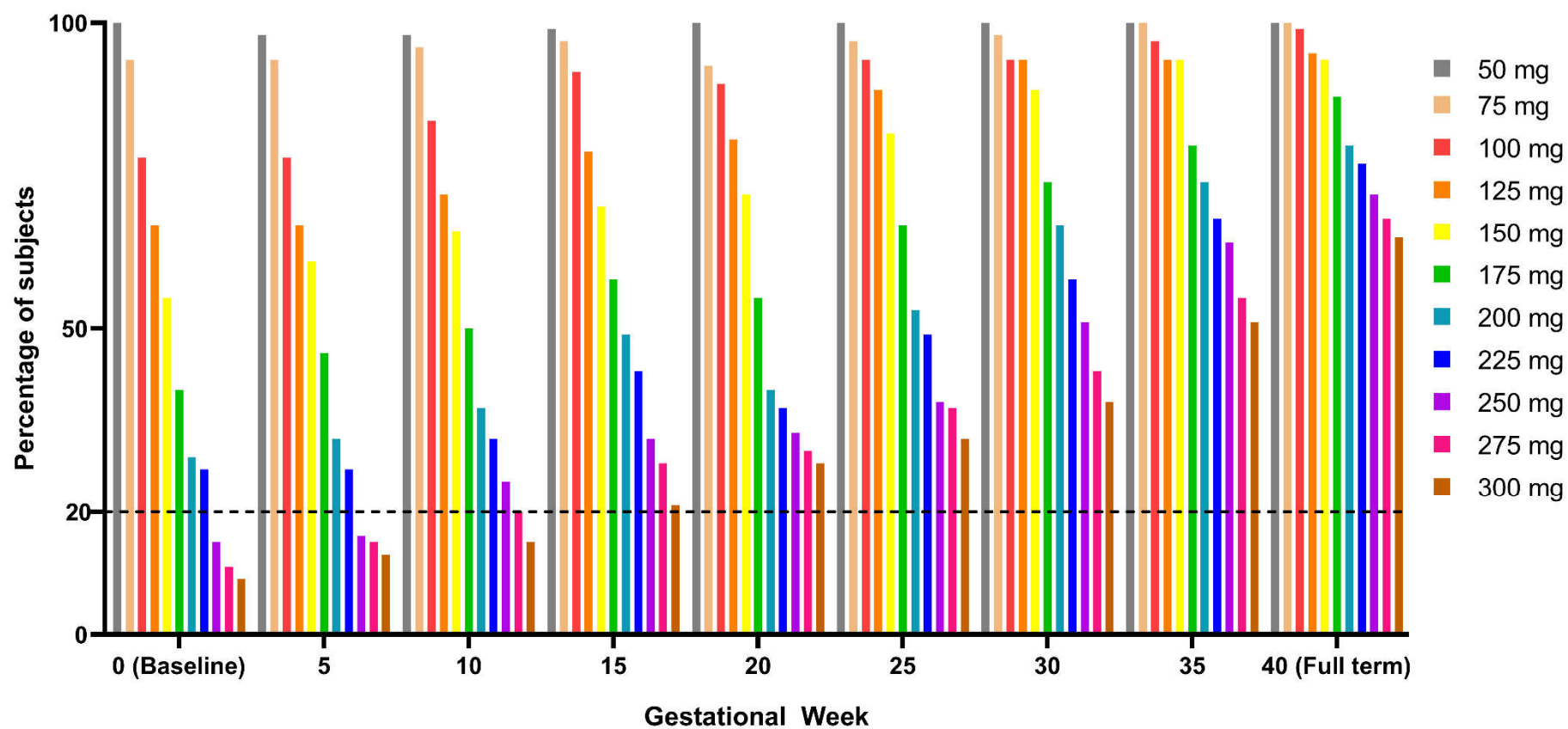
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## Supplementary materials

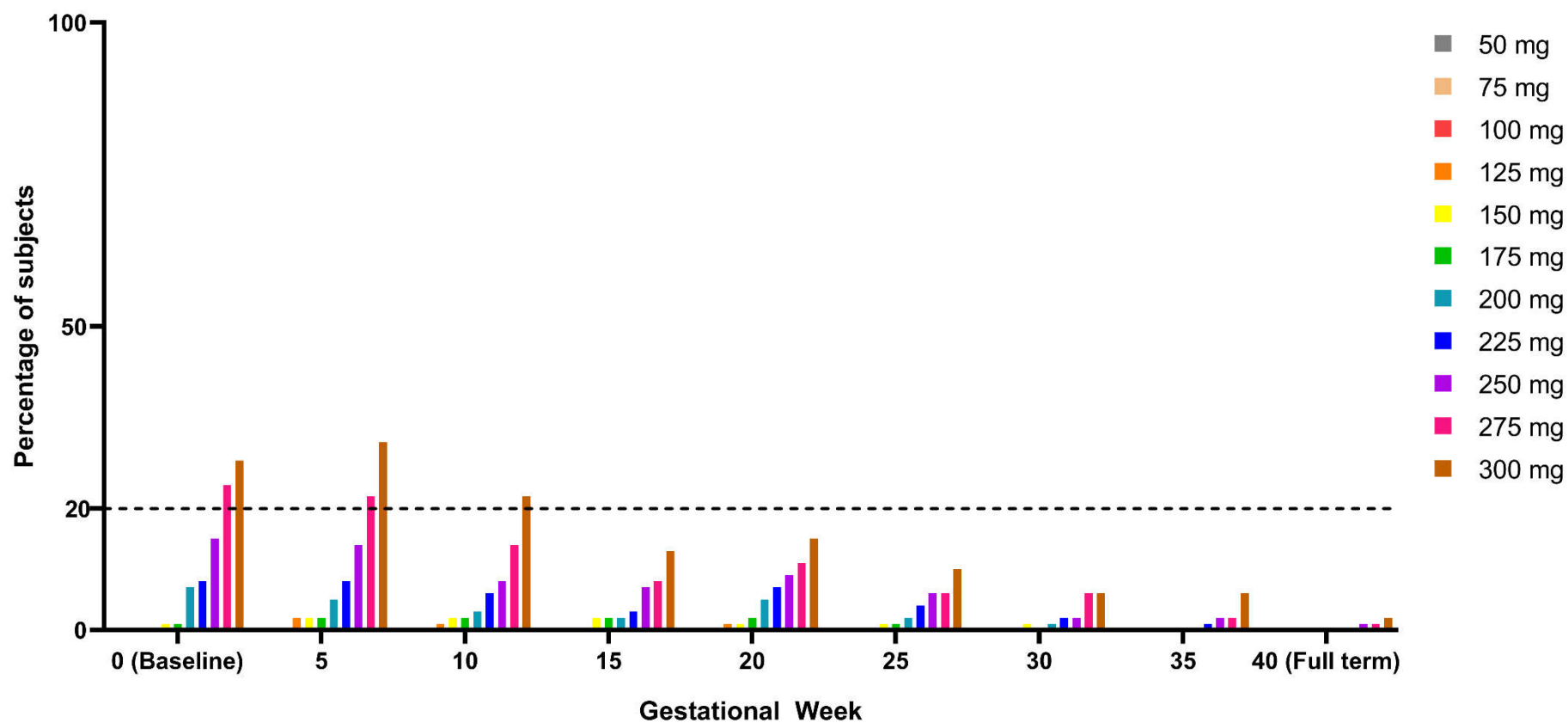


**Figure S1.** Fetoplacental compartment permeability-limited model.

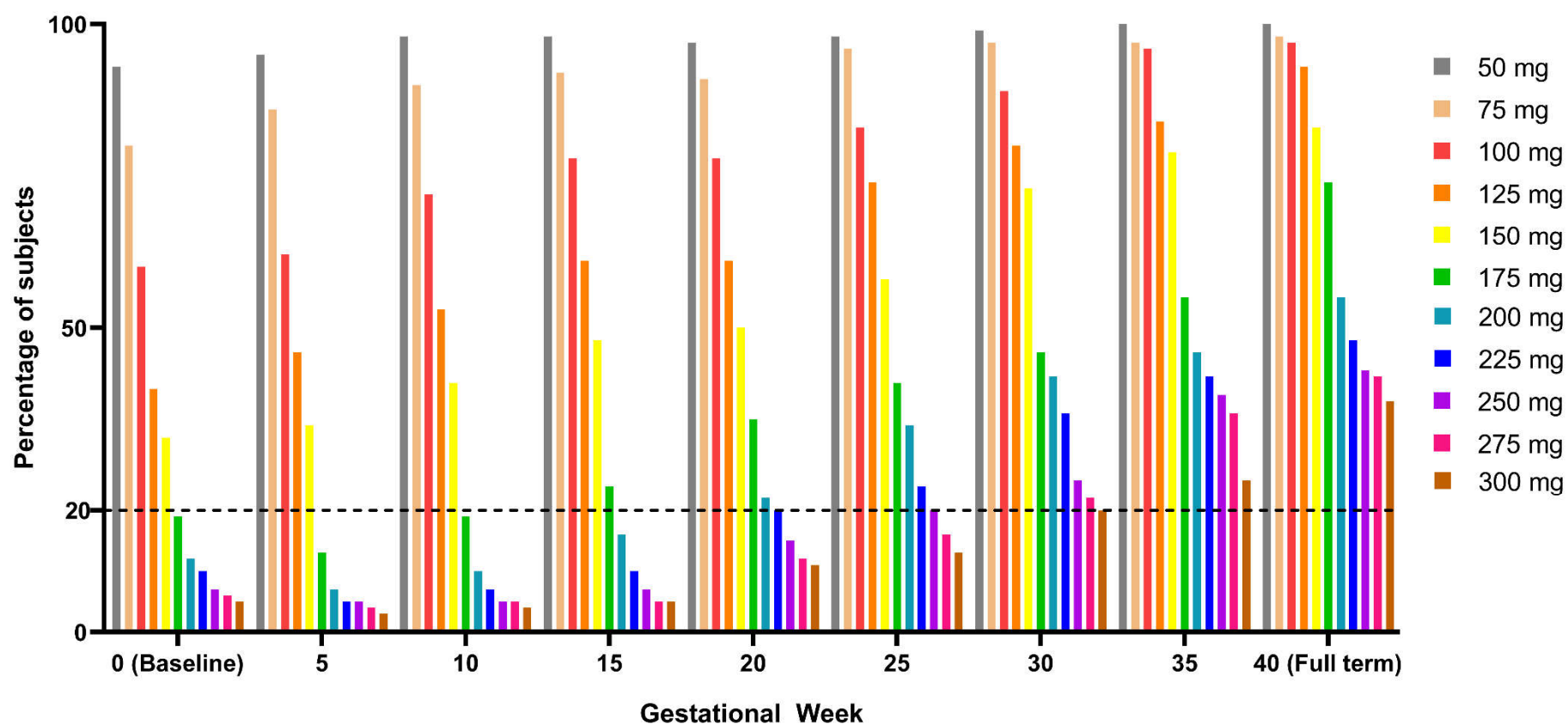
$CL_{PDM}$ , maternal–placental permeability clearance;  $CL_{PDF}$ , placental–foetal permeability clearance;  $CL_{pl}^t$ , tissue–placenta permeability clearance;  $Q_{pl}^m$ , maternal blood flow rate;  $Q_{pl}^f$ , foetal blood flow rate;  $C_{pl}^m$ , maternal–placental concentration;  $C_{pl}^f$ , foetal–placental concentration;  $V_{pl}^m$ , maternal–placental volume;  $V_{pl}^f$ , foetal–placental volume.



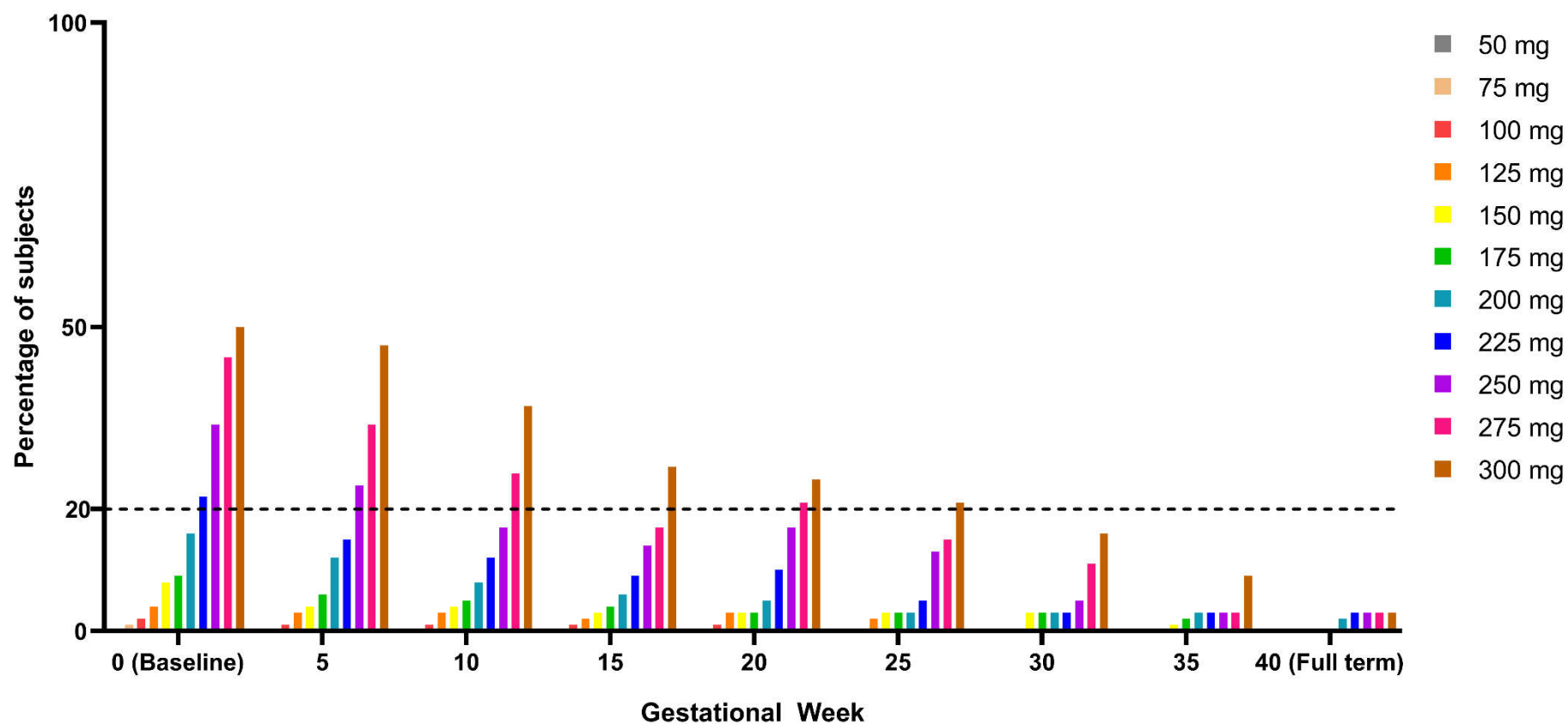
**Figure S2.** Percentage of Ultrarapid Metaboliser (UM) population with trough concentration below 60 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.



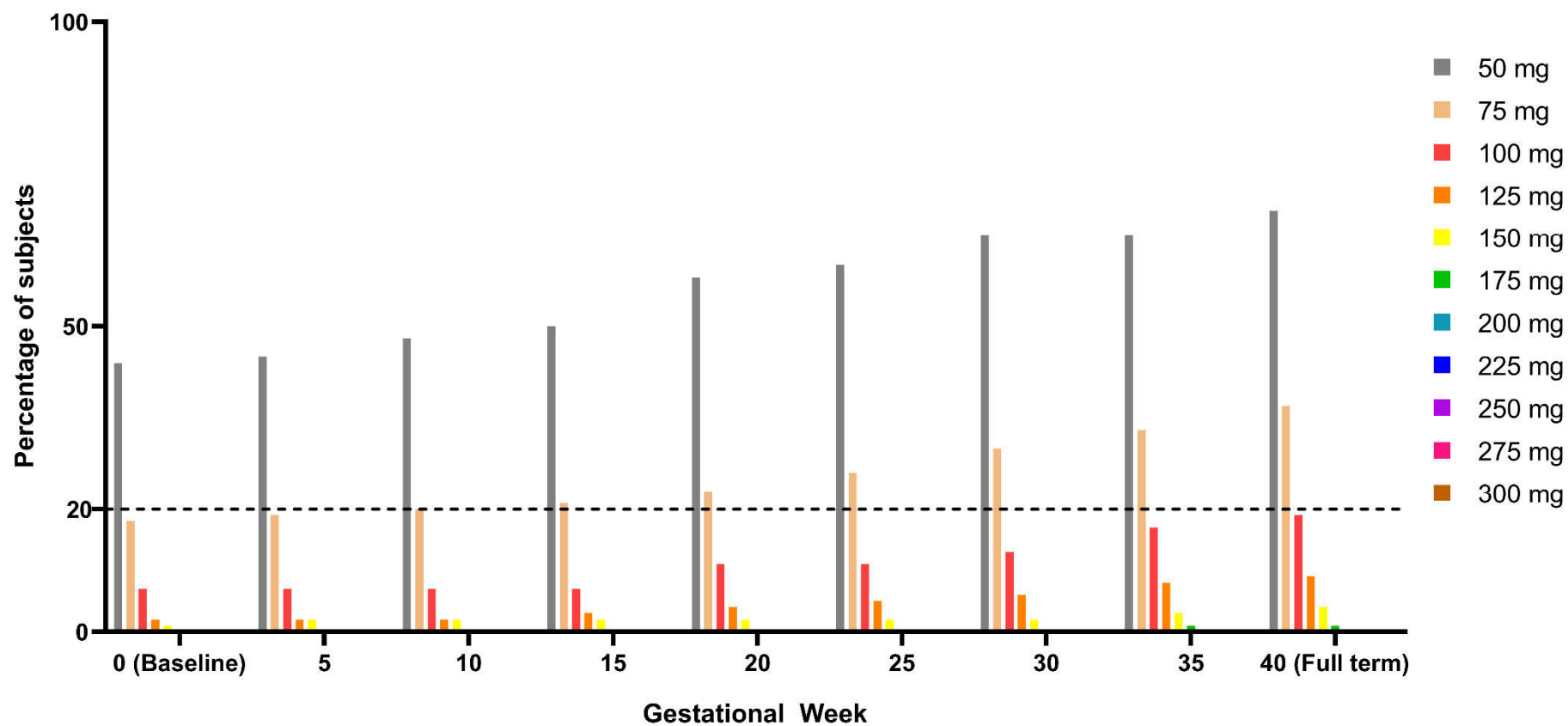
**Figure S3.** Percentage of UM population with peak concentration above 230 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.



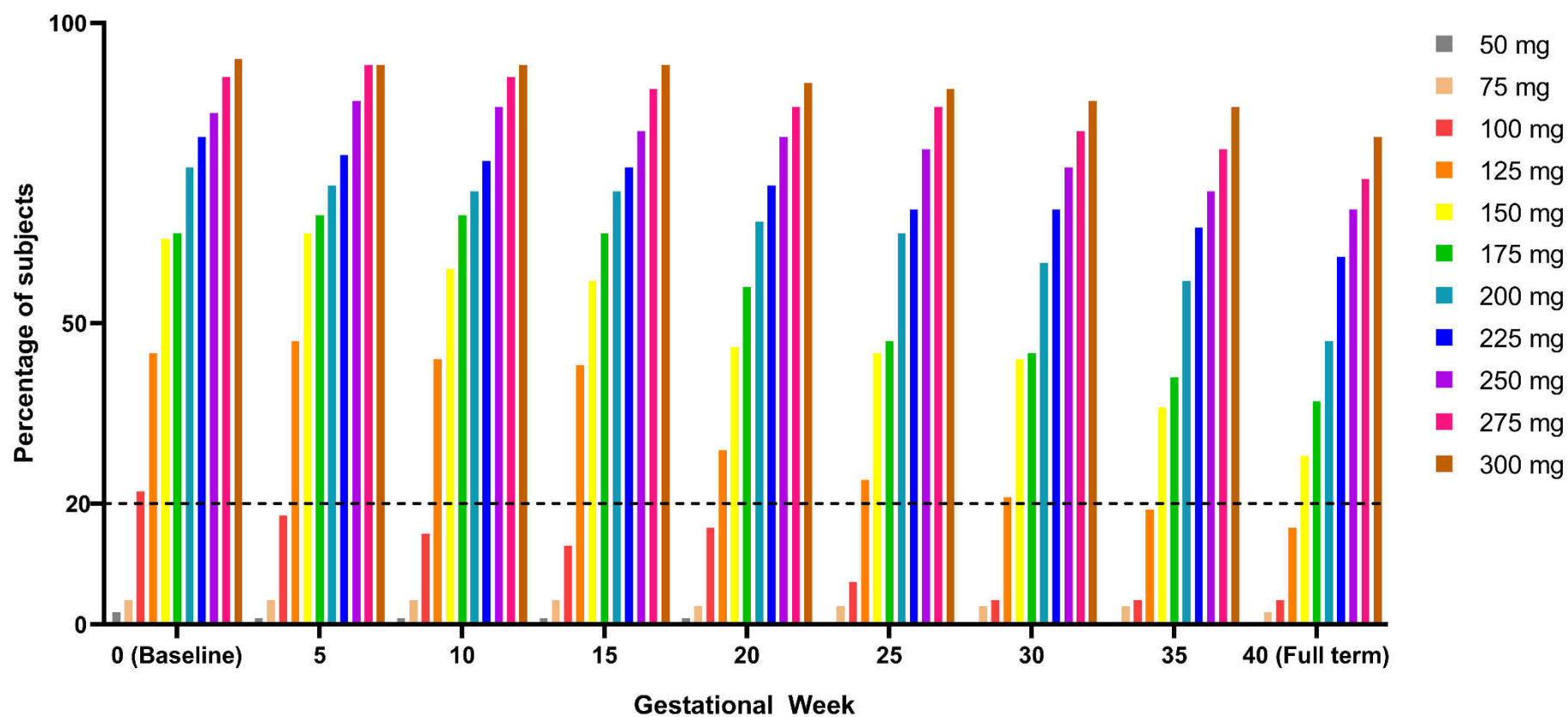
**Figure S4.** Percentage of Extensive Metaboliser (EM) population with trough concentration below 60 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.



**Figure S5.** Percentage of EM population with peak concentration above 230 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.



**Figure S6.** Percentage of Poor Metaboliser (PM) population with trough concentration below 60 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.



**Figure S7.** Percentage of PM population with peak concentration above 230 ng/mL. The dashed horizontal line represents the threshold of 20% of subjects.