# Physiology

## Demography of Larson 2013 8y-18y 400mg FCT meal vs. simulated virtual pediatric population

Figure : Age-dependence of age for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of body weight for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of body height for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of BMI for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of body surface area for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Distribution of gender for simulated virtual pediatric population in comparison to observed data Observed\_Raltegravir 10 mg (lactose formulation).



Figure : Age-dependence of Ontogeny factor (albumin) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor (alpha1-acid glycoprotein) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP3A4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP3A4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP3A5 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP3A5 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP3A7 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP3A7 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP1A2 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP1A2 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP2C18 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP2C18 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP2C19 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP2C19 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP2D6 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP2D6 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP2E1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP2E1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT1A1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT1A1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT1A4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT1A4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT1A6 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT1A6 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT1A9 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT1A9 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT2B4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT2B4 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor UGT2B7 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI UGT2B7 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor CYP1A1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI CYP1A1 for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor ABCG2 (BCRP) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI ABCG2 (BCRP) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor ABCB1 (P-gp) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.



Figure : Age-dependence of Ontogeny factor GI ABCB1 (P-gp) for simulated virtual pediatric population in comparison to simulated Healthy Adult Population.

