

Supplementary Table S1. Simulated pharmacokinetic parameters for Amoxicillin (AMOX) in virtual male outpatients, categorized on CL_{CR} subgroups. CL_{CR}: creatinine clearance (calculated using the Cockcroft-Gault formulae); Vd/F, CL/F and T_{1/2}: apparent volume distribution, clearance and elimination half-life parameters respectively. Values are expressed as mean ± standard deviations.

CL _{CR} and PK Parameters	SCr (mg/dL)		
	0.7	0.9	1.3
CL _{CR} (mL/min)	131 ± 10	100 ± 8	70 ± 6
CL/F (L/h)	20.1 ± 4.0	15.7 ± 3.3	10.8 ± 2.1
Vd/F (L)	23.3 ± 3.9	23.3 ± 3.9	23.3 ± 3.9
T _{1/2} (h)	0.8 ± 0.2	1 ± 0.2	1.5 ± 0.3

Supplementary Table S2: Simulated pharmacokinetic parameters for Levofloxacin (LFX) and Moxifloxacin (MOX) in virtual male outpatients, categorized on CL_{CR} subgroups. CL_{CR}: creatinine clearance (calculated using the Cockcroft-Gault formulae); CL/F: apparent clearance used to AUC calculation. Values are expressed as mean ± standard deviations.

CL _{CR} and PK Parameters	SCr (mg/dL)		
	0.7	0.9	1.3
CL _{CR} (mL/min)	131 ± 10	100 ± 8	70 ± 6
CL/F LFX (L/h)	14.9 ± 0.6	11 ± 0.9	9.7 ± 0.38
CL/F MOX (L/h)	10.1 ± 1.9	10.1 ± 1.9	10.1 ± 1.9