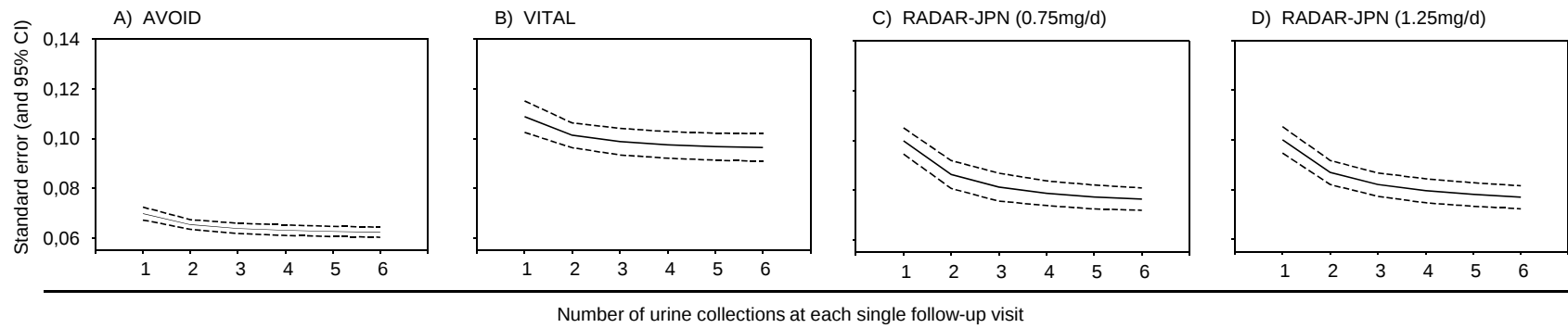


Supplement Figure 1: Standard error (and 95% CI of the SE) considering 6 (simulated) consecutive urine samples at a single follow-up visit. The X Axis shows the number of consecutive urine samples prior to the study visit. The Y axis shows the simulated standard errors and their 95% confidence interval



Supplement table 1: AICC stratified by included trial and tested covariance structure.
Longitudinal models covering all follow-up visits with albuminuria measurements averaged over three consecutive measurements were considered for model testing.

	(I,j) th element	AVOID	RADAR	VITAL
ANTE(1) Ante-dependence	$\sigma_i \sigma_j \prod_{k=i}^{j-1} \rho_k$	3381.6	796.2	990.7
(AR1) Autoregressive 1	$\sigma^2 \rho^{ i-j }$	3460.4	812.5	1001.8
(TOEP) Toeplitz	$\sigma_{ i-j +1}$	3368.9	709.5	990.7

Supplement 2: Listing of trial specific covariances for repeated UACR measurements considering all follow-up visits and averaged UACR measurements from three consecutive urine collections

AVOID

Covariance parameters for follow-up measurements

Covariance parameter	Estimate	Standard Error	P value
TOEP(2)	0.2758	0.01843	<.0001
TOEP(3)	0.2444	0.01831	<.0001
TOEP(4)	0.1922	0.01838	<.0001
TOEP(5)	0.1716	0.01982	<.0001
Residual	0.4114	0.01865	<.0001

TOEP(2) to TOEP(5) represent the covariances of the log transformed UACR measurements spaced 1 to 4 visits apart Residual represents the variances of the log transformed UACR measurements

VITAL

Covariance parameters for follow-up measurements

Covariance parameter	Estimate	Standard Error	P value
TOEP(2)	0.2153	0.02524	<.0001
TOEP(3)	0.1682	0.02499	<.0001
TOEP(4)	0.1499	0.02516	<.0001
TOEP(5)	0.1333	0.02677	<.0001
TOEP(6)	0.09726	0.03096	<.0017
Residual	0.3258	0.02584	<.0001

*TOEP(2) to TOEP(6) represent the covariances of the log transformed UACR measurements spaced 1 to 5 visits apart
Residual represents the variances of the log transformed UACR measurements*

RADAR

Overall covariance parameters for follow-up measurements

Covariance parameter	Estimate	Standard Error	P value
TOEP(2)	0.1378	0.01501	<.0001
TOEP(3)	0.1311	0.01498	<.0001
TOEP(4)	0.1247	0.01517	<.0001
TOEP(5)	0.1178	0.01587	<.0001
TOEP(6)	0.1058	0.01731	<.0001
Residual	0.1999	0.01516	<.0001

*TOEP(2) to TOEP(6) represent the covariances of the log transformed UACR measurements spaced 1 to 6 visits apart
Residual represents the variances of the log transformed UACR measurements*