

Supporting information

S1 Table. Regression models. 10 linear and non-linear regression models were developed

Equation	Resume of the models					Regression coefficients			
	R square	F-Snedecor	DF 1	DF 2	P-Value	Intercept	Beta 1	Beta 2	Beta 3
Linear	0.96	141.7	1	6	<0.001	17.885	0.737		
Logaritmik	0.95	127.6	1	6	<0.001	-1035.718	226.259		
Inverse	0.87	39.9	1	6	0.001	459.672	-57505.551		
Quadratic	0.97	77.1	2	5	<0.001	-47.909	1.176	-6.3968 x 10 ⁻⁴	
Cubic	0.97	43.3	3	4	0.002	23.880	0.407	0.002	-2,493x 10 ⁻⁶
Compound	0.90	54.8	1	6	<0.001	89.741	1.003		
Power	0.96	148.9	1	6	<0.001	0.960	0.967		
S-curve	0.94	98.3	1	6	<0.001	6.388	-255.2		
Exponential	0.90	54.8	1	6	<0.001	89.741	0.003		
Logistic	0.90	54.8	1	6	<0.001	0.011	0.997		

S2 Table. Reproducibility study. Iohexol plasma clearance for the Simplified method (SM) in two occasions in two occasions on two weeks apart in a group of 12 adult iberian pigs. The precision (time-to-time variability) was evaluated as mean absolute percentage error (MAPE) of GFR (ml/min) for each case.

PIG ID	GFR REPLICA 1	GFR REPLICA 2	MAPE
1	131,3	126,4	3,7
2	122,9	128,5	4,5
3	175,5	151,1	13,9
4	146,5	121,8	16,8
5	221,7	185,5	16,4
6	142,4	146,6	2,9
7	154,2	167,1	8,4
8	188,1	191,1	1,6
9	136,5	155,3	13,8
10	202,4	217,7	7,6
11	164,5	184,0	11,8
12	245,6	219,8	10,5
Mean	169,3	166,3	9,3