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Erratum to

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Erratum to: Translational Modeling in Schizophrenia: Predicting Human Dopamine D₂ Receptor Occupancy

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There occurred two errors in the above manuscript (Pharm Res. 2015 Dec 30 [Epub ahead of print]). The correct information is as follows:

1) The differential equations in Appendix 2 should read:

$$\begin{aligned}d(A_{bv})/dt &= (CL_{bv}/V_{plasma}) * A_{plasma} - (CL_{bv}/V_{bv}) * A_{bv} - (CL_{bev}/V_{bv}) * fu_{plasma} * A_{bv} \\ &+ (CL_{bev}/V_{bev}) * fu_{brain} * A_{bev} + (CL_{eff}/V_{bev}) * fu_{brain} * A_{bev} \\d(A_{bev})/dt &= (CL_{bev}/V_{bv}) * fu_{plasma} * A_{bv} - (CL_{bev}/V_{bev}) * fu_{brain} * A_{bev} - (CL_{eff}/V_{bev}) * fu_{brain} * A_{bev} \\ &- (CL_{st}/V_{bev}) * fu_{brain} * A_{bev} + (CL_{st}/V_{stf}) * fu_{brain} * A_{stf} \\d(A_{stf})/dt &= (CL_{st}/V_{bev}) * fu_{brain} * A_{bev} - (CL_{st}/V_{stf}) * fu_{brain} * A_{stf} - kon * fu_{brain} * A_{stf} * (B_{max} - CB) \\ &+ koff * A_{stb} \\d(A_{stb})/dt &= kon * fu_{brain} * A_{stf} * (B_{max} - CB) - koff * A_{stb}\end{aligned}$$

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11095-015-1846-4>.

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2) Table III should read:

Table III *In vitro*, *in vivo* and *ex vivo* values estimates used in the human D₂RO predictive model.

	Clozapine	Haloperidol	Olanzapine	Paliperidone	Quetiapine	Risperidone
Fraction unbound in brain	0.011 ^a	0.023 ^b	0.034 ^a	0.0755 ^c	0.025 ^a	0.0699 ^c
Fraction unbound in plasma	0.0300 ^d	0.0800 ^e	0.0700 ^m	0.226 ^f	0.170 ^e	0.100 ^f
Approach A: Human D ₂ RO predictions based on <i>in vitro</i> information						
Papp × 10 ⁻⁶ (cm/s)	28.3 ^a	28.6 ^a	15.7 ^a	16.8 ^g	33.0 ^a	19.8 ^g
CL _{be_v} (L/h) derived from Papp	20.4	20.6	11.3	7.80	23.8	12.96
Efflux ratio	–	–	–	2.10 ^g	–	1.20 ^g
CL _{eff} (L/h) based on ER	–	–	–	8.58	–	2.59
<i>In vitro</i> Ki (nM)	82.0 ^h	0.700 ^h	5.10 ⁱ	2.075 ^e	155 ^h	2.175 ^e
k _{off} (h ⁻¹)	83.16 ^h	1.02 ^h	2.34 ^h	1.56 ^{j,n}	180.78 ^h	1.56 ^j
Approach B: Human D ₂ RO predictions based on <i>in vivo</i> information						
Papp _{calc} × 10 ⁻⁶ (cm/s)	–	–	100	493 ⁿ	–	493
CL _{be_v} (L/h) based on Papp _{calc}	–	–	72.2	355 ⁿ	–	355
CL _{eff} (L/h) scaled from rat	–	–	NA	11594	–	2486
k _{off} (h ⁻¹)	–	–	3.04 ^k	0.671 ^{l,n}	–	0.671 ^l
Approach C: Human D ₂ RO predictions integrating <i>in vitro</i> and <i>in vivo</i> information						
Corrected <i>In vivo</i> Kd (nM)	–	–	4.38	0.352	–	0.395

NA Not applicable

^a Reference (32); ^b Reference (33); ^c Reference (34); ^d Reference (35); ^e In-house values; ^f Reference (36); ^g Reference (37);

^h Reference (38); ⁱ Reference (39); ^j Reference (5); ^k Reference (7); ^l Reference (8); ^m Reference (40); ⁿ Assumed to be equal to risperidone