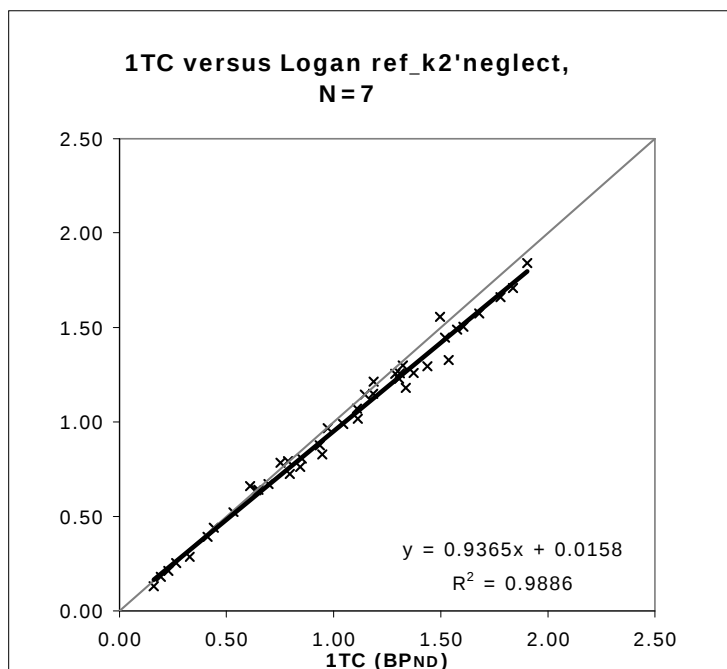


SUPPLEMENTAL TABLE 1: Human SERT-binding studies using [^{123}I]ADAM

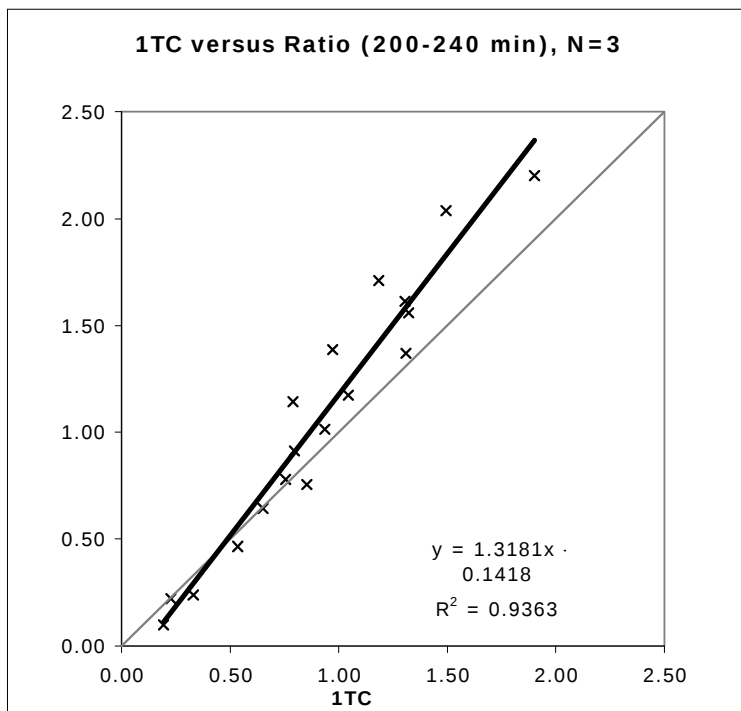
Year	1 st Author	Theme	Ratio or acquisition interval	N	Recommendation
2005	Erlandsson K	Occupancy & validation	Sequentially from 0 to 330 minutes p.i.	16 (32 scans)	Ratio from 200-260 minutes p.i.
2005	Catafau A	Optimal imaging time & test-retest	Sequentially from 0 to 12 hours p.i.	10 (20 scans)	Ratio from 240 to 360 minutes p.i.
2006	Booij J	Optimal imaging time	Sequentially from 10-360 minutes p.i.	8	Ratio 300 minutes p.i.
2006	Sacher J	Optimum equilibrium time	Sequentially from 14-420 minutes p.i.	30	Ratio between 205-320 minutes p.i. (30 min)
2005	Newberg	Depression	240-300 minutes p.i.	13	—
2006	Catafau A	Occupancy	240-280 minutes p.i.	10 (20 scans)	—
2006	Herold N	Occupancy	240-?	34 (47 scans)	—
2006	Uebelhack R	Platelet vs brain SERT	240-280 minutes p.i.	44	—
2006	Klein N	Occupancy & test-retest	211-241 minutes p.i.	29 (58 scans)	—
2007	Koskela A	Bulimia Nervosa	300-330 minutes p.i.	38	—
2007	Schuh-Hofer S	Migraine	240-280 minutes p.i.	29	—
2007	Klein N	Occupancy	275-305 minutes p.i.	15 (45 scans)	—

SUPPLEMENTAL FIGURE 1: Estimates from Logan reference model neglecting k_2' in comparison with the 1TC model

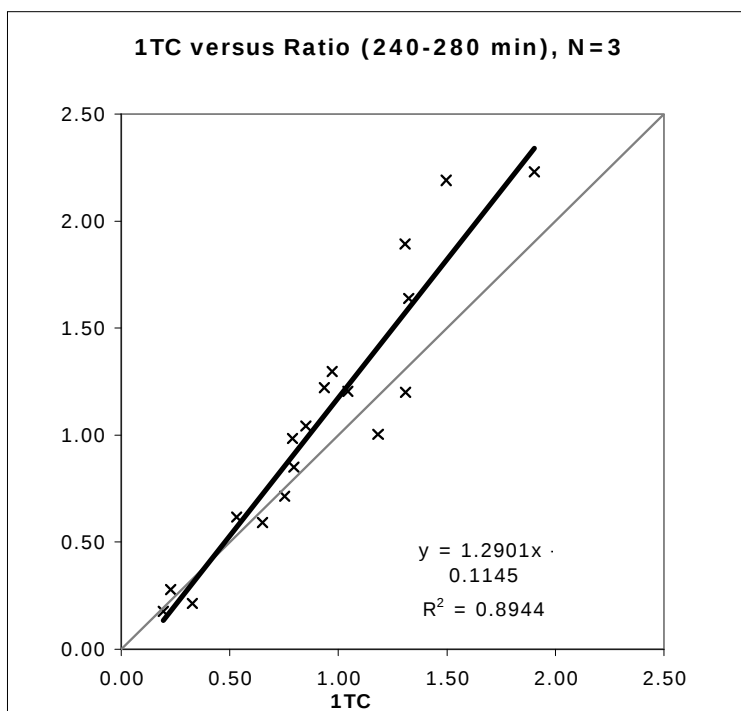


SUPPLEMENTAL FIGURE 2: Performance of ratio method at later time intervals

A. 1TC vs 200-240, N=3



B. 1TC vs 240-280, N=3



SUPPLEMENTAL FIGURE 3: Logan reference model performance with shorter time activity curves

