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New avenues in PET imaging of multiple sclerosis

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Andrea: Oi Bello!!! I was thinking if I should write this message in English or in Portuguese...as you can see, I decided to write in English, because then, everybody could read it and know how special you were/are for me! In the beginning, you were an Italian, who likes Brazil and know how to speak Portuguese, but then we start to know each other, especially when you moved to our office, and then you became my nice and dear friend!! We worked a lot together and it was always nice... Even how to cannulate animals you learned only to help me! Anytime I needed, you were there ready to help. Besides to be this kind and stylish friend, you are a really good bike fixer and a wonderful cooker! I have all reasons to thank you very much for all time we spent together in the last 3 years and say that we will probably see each other really often, since you want to live in Brazil! To finish, I express all my gratitude and ask you one more favor: please, keep your hair short!!! ☺

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List of abbreviations

1TCM	One tissue compartment model
2TCM	Two tissue compartment model
2TCMR	Reversible two tissue compartment model
AIC	Akaike information criterion
AUC	Area under the curve
BBB	Blood-brain barrier
Bq	Becquerel
[¹¹ C]	Carbon-11
[¹¹ C]CIC	[¹¹ C]Case imaging compound
[¹¹ C]MeDAS	[¹¹ C]Methyl diaminostilbene
[¹¹ C]PIB	Pittsburg compound B
CNS	Central nervous system
DA rat	Dark Agouti rat
DEX	Dexamethasone
EAE	Experimental autoimmune encephalomyelitis
[¹⁸ F]	Fluor-18
[¹⁸ F]FB-IL2	N-(4-[¹⁸ F]fluorobenzoyl)interleukin-2
[¹⁸ F]FDG	[¹⁸ F]Fluorodesoxiglucose
[¹⁸ F]SFB	N-succinimidyl 4-[¹⁸ F]fluorobenzoate
FCS	Fetal calf serum
HPLC	High performance liquid chromatography
IFA	Incomplete Freund's Adjuvant
Iba1	Ionized calcium binding adapter molecule 1
i.p.	intraperitoneal

K _i	Metabolic rate
LFB	Luxol fast blue
LOR	Line of response
LPC	Lysolecithin, lysophosphatidylcholine
MBP	Myelin basic protein
MOG	Myelin oligodendrocyte glycoprotein
MRI	Magnetic resonance imaging
MS	Multiple sclerosis
NGS	Normal goat serum
OPC	Oligodendrocyte precursor cell
PET	Positron emission tomography
PPMS	Primary progressive multiple sclerosis
PRMS	Primary relapsing multiple sclerosis
RRMS	Relapsing-remitting multiple sclerosis
ROI	Region of interest
SPMS	Secondary progressive multiple sclerosis
SUV	Standardized uptake value
TAC	Time activity curve
TLC	Thin-layer chromatography
TSPO	Translocator protein 18kDa
V _T	Volume of distribution
WHO	World Health Organization