Study	Study Population	Treatment/	Results				Validity /Conclusion
		intervention					
Doraiswamy et	Inclusion criteria:	At screening all	Two of the three readers agreed with the majority in >96% of cases and the third reader				Advantages/
al, 2012.	1. MCI group >50 years	subjects underwent	agreed in 74% of cases (K statistics 0.58)				limitations:
	of age, with MMSE >24,	detailed history,	Pasalina flarbatanir amulaid nasitivity				The study had the
Study type	CDR scale 0.5, and	physical and					advantage of following
Prospective	presenting for an initial	neurological exam,			ALS negative		three groups of patients
observational.	evaluation, or were	clinical interview, and		IN (70)	11/IN (70)		prospectively.
	diagnosed with MCI within	laboratory evaluations.		1/31 (37%)	32/31 (03%) 10/31 (32%)		However, It was
Aim:	the previous year,	MRI at screening or	AD 2	1/31(00%)	FO/ST (32%)		relatively small, the
To examine	2. AD group: Individuals	within 6 months prior	D for difference between groups	<0.0001	59/09 (00%)		authors did not adjust
whether ¹⁸ F-	diagnosed clinically with	was performed to rule	Aß positive subjects tended to b	for multiple			
florbetapir- PET	AD and with MMSE <24.	out significant CNS		comparisons, the			
can predict	3. Clinically normal	lesions. All	Chai	nge from baseline to	18 months		follow-up duration was
subsequent	healthy controls: >50	participants underwent	Study groups	Aß positive	Aß negative	P value	short for such a
cognitive decline	years of age, assessed	a 10-minute					disease, and there was
in older at-risk	clinically, CDR global of 0	Florbetapir-PET	Cognitively normal (CN)				a low agreement
subjects.	and MMSE 29 or 30.	imaging. The images	MMSE*	-1.20	-0.53	0.100	between one versus the
		we assessed visually	ADAS-Cog**	2.02	-0.13	0.005	other two readers. The
Endpoints:	Exclusion:	by 3 nuclear medicine	CDR-SB ^{arra}	0.43	0.09	0.005	study was conducted in
Association	Relevant neuropsychiatric	physicians using a	Verbal fluency animals	-0.91	-0.41	0.570	a research setting with
between positive	disease, received amyloid	semiguantitative score	Verbal fluency vegetables	0.02	0.00	0.987	three trained readers
scan results and	investigational drugs, was	ranging from 0 (no	WMS [†] delaved recall	1.08	0.88	0.877	interpreting the images,
decline in memory	unable to complete	amyloid to 4 (high	WMS immediate recall	-0.93	0.95	0.091	which would not be the
and worsening of	psychometric test, or had	level of cortical	MCI group				case in clinical practice.
the disease.	a contraindication to PET.	amyloid), and a binary	MMSE	-2.54	-0.20	0.003	
		qualitative scale (AB+	ADAS-Cog	3.84	-0.61	0.001	The authors of the
N of patients:	Patient characteristics:	and Aß-). The median	CDR-SB	1.18	0.25	0.020	study had financial ties.
N=151 (n=51 with	There were differences	rating served as the	Daily activities	-1.72	-1.59	0.937	and /or were employed
mild cognitive	between the groups in	primary outcome.	Verbal fluency animals	-1.64	0.56	0.090	by Avid
impairment [MCI]	cognitive and functional		WMS delayed recall	-1.97	1.56	0.025	Radiopharmaceuticals.
n=31 with AD.	variables: the AD group	Subjects who	WMS immediate recall	-2.35	1.00	0.005	
and $n = 69$	was slightly older and	completed the initial	Clinically diagnosed AD	2.00		0.000	
cognitively normal	there were no differences	PET scan were	MMSE	-2.10	1.43	0.089	
controls [CN])	between the three groups		ADAS-Cog	1.57	4.86	0.165	
	in educational level	in the follow-up. An	CDR-SB	1.99	0.47	0.176	
Blinding	beight weight gender or	interim assessment	Daily activities	-10.15	-6.36	0.539	
Voc	race	was made at 18	Verbal fluency animals	-3.06	0.27	0.006	
163.	Tace.	months and a final will	Verbal fluency vegetables	-1.23	-0.11	0.273	
Follow-up:		he performed at 36	WINS delayed recall	0.04	1.03	0.399	
18 months in this		months	*Mini montal state examination	-0.01 ** AD accoccmont o	0.40 colo cognitivo subscol	0.493	
report 97%			ivini mental state examination, AD assessment scale-countieve subscale				
complete for CN			Chinical dementia rading-sull of boxes (we chister methory scale				
00% for MCL and			Change in diagnosis after 18 months				
87% for AD			MCI group: 8 subjects progress				
07 /0 IOI AD.			Aß-(P=0.996) 7 subjects reverted to CN (5.9% for Aß+ vs. 20% with Aß-(p=0.177).				