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Apathy is a very common neuropsychiatric syndrome across brain disorders. In 2018 an international consensus group update the diagnostic criteria^{1,2}. Apathy is defined as a quantitative reduction of goal-directed activity in comparison to the patient's previous level of functioning and affect at least two of the three clinical dimensions

- Behavior/Cognition
- Emotion
- Social interaction

Full diagnostic criteria link: www.innovation-alzheimer.fr/assessment/

The consensus group also indicated that there is evidence that apart from the currently used assessment methods for apathy (scales and indexes), new Information and communication technologies approaches could provide clinicians with valuable additional information for detection and therefore more accurate diagnosis of apathy.

The objectives of this poster is to present result of the Interest Game developed in relation with the Apathy diagnostic.



INTEREST GAME

Are you interested in eating well?
Are you interested in playing?
Are you interested in the family?
Are you interested in the Sea?
Are you interested in the Sea?
Are you like reading?
By the Sport interesting?
Do relaxation and meditation interest you?
Are you like singing, music?
Do you like singing, music?
Do you like Mountain?
Are you interested in Nature?
Are you interested in social relations?
Are you interested in social relations?
Are you interested in museums / Arts?

Are new technologies of you interest for you?

Is the self-image of interest to you?

17 questions for 17 interests ³



Scores Interest number / 17 Image number / 102

POPULATION

	CONTROL		apathy no		APATHY YES		3 groups
	n=21		n=41		n=33		comparison
	mean	SD	mean	SD	mean	SD	p-value ^a
Age	73,3	8,8	3 75,3	7,8	77,0	7,4	0,238
MMSE	29,5	0,9	9 23,0		19,9	5,3	<,001
	n	%	n	%	n	%	p-value ^c
Sex							0,044
Female	17	81,0	32	78,0	18		
male	4	19,0) 9	22,0	15	45,5	
Education level							0,179
none / primary	7	33,	3 6	14,6	12		
Secondary	7	33,	3 21	51,2	13		
Superior	7	33,	3 14	34,1	7	21,9	
Diagnostic							-
DSM5 minor cogntive disorders		-	31	75,6	11	33,3	
DSM5 Major cogntive disorders		-	10	24,4	22	66,7	
Control group	21	100,0) -	-	-	-	

RESULTS

^aAnova ou test de Kruskal-Wallis

°Test du Khi2

Multivariate analysis (age, sex, level of education, Apathy diagnostic). MMSE and DSM5 diagnostic not included in the model because non significant in univariate analysis)

The number of interest is significantly associated with the diagnosis of apathy (.012) and the level of education (.05)

The number of images is significantly associated with the diagnosis of apathy (.017) and the level of education (.03)



- Allows a playful assessment of apathy in relation to diagnostic criteria

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 Develop a "tailor-made" approach, designing specific activities depending on individuals' interests and capacities ».

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