

## Knee Osteoarthritis People are Less Active than the General Population: an epidemiological study.

C. Gay, Candy Guiguet-Auclair, Charline Mourgues, Emmanuel Coudeyre

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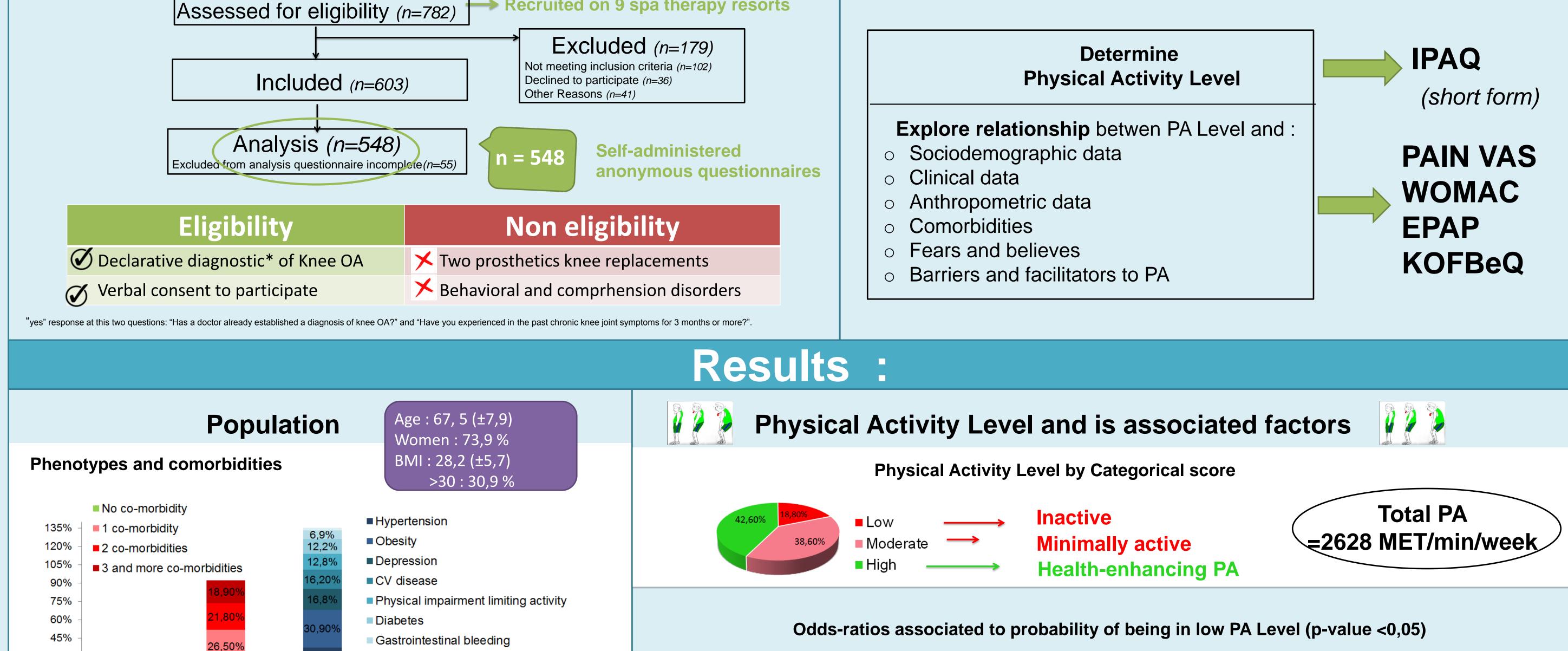


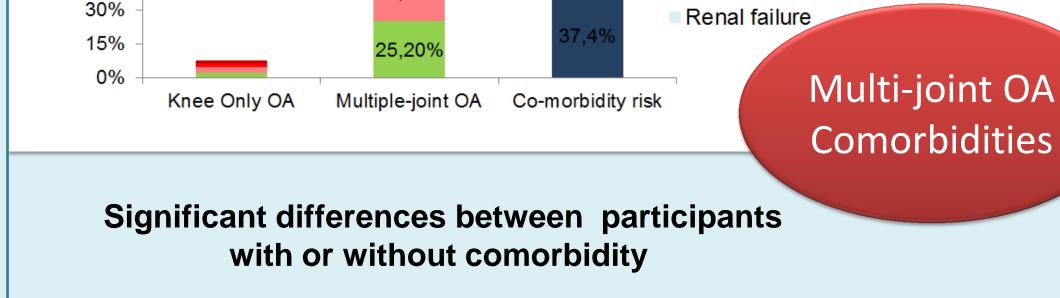
cgay@chu-clermontferrand.fr

Chloe Gay<sup>1,2,3\*</sup>, Candy Guiguet-Auclair<sup>2,4,5</sup>, Charline Mourgues<sup>2,6</sup>, Christine Levyckyj<sup>7</sup>, Laurent Gerbaud<sup>2,4,5</sup>, Emmanuel Coudeyre<sup>1,2,3</sup>

<sup>1</sup>Physical and Rehabilitation Medicine Department, Clermont-Ferrand University Hospital, <sup>2</sup> Clermont Auvergne University, <sup>3</sup>Human nutrition Unit, INRA, UMR 1019, CNRH Auvergne, <sup>4</sup> Public Health Department, <sup>5</sup> PEPRADE, EA 4681, <sup>6</sup> Health economics, DRCI, <sup>7</sup> Service Research and Development, Clermont-Ferrand, France,

Context :	<b>Objectives</b> :			
OARSI*, ESCEO* recommend to associate Pharmacological (PI) and Non-Phamacological Intervention (NPI) for knee osteoarthritis patient. Theses NPI therapies combine exercise programs, self-management, education and weight loss if necessary.	Describe the level and factors affecting the Physical Activity (PA) practices of knee			
Exercise programs include specific exercises (strenght training, aerobic activity, adjunctive range of motion and stretching exercises) and <b>increasing physical activity level</b>				
Methods :				
Recruited on 9 sna therapy resorts				



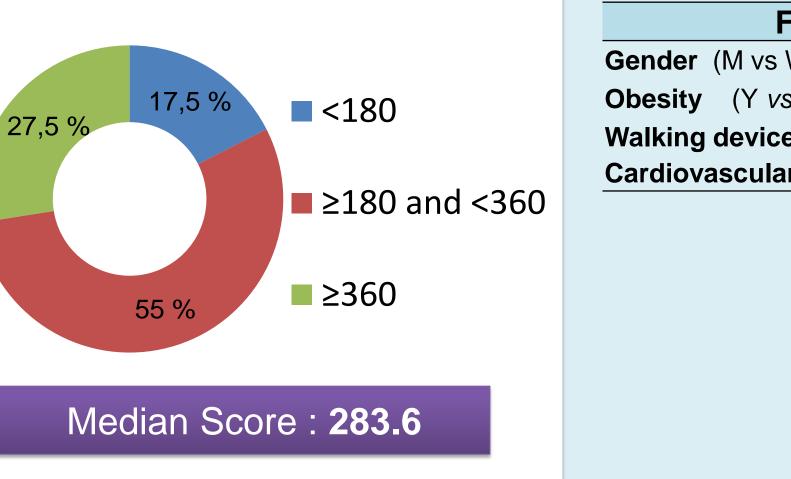


Characteristic	No comorbidities (n=150)	At least one comorbidity (n=398)
Body mass index (Kg/m <sup>2</sup> )	<b>24.9</b> (±2.9)	<b>29.4</b> (±5.9)
<b>Pain</b> (0/10)		
Last 24 hours	<b>4.1</b> (±2.3)	<b>4.7</b> (±2.6)
Last month	<b>5.9</b> (±2.3)	<b>6.7</b> (±2.5)
Treatment for pain due to OA		
Yes	76 <b>54.3%</b>	273 <b>71.8%</b>
No	64 <b>45.7%</b>	107 <b>28.2%</b>
If treatment, frequency		
KOFBeQ total score (0/99)	<b>37.0</b> (±21.9)	<b>44.9</b> (±23.1)
Daily living activity score	<b>7.2</b> (±7.3)	<b>10.0</b> (±8.2)
Physician score	<b>16.2</b> (±10.7)	<b>18.6</b> (±10.8)
Disease score	<b>6.1</b> (±5.9)	<b>7.5</b> (±6.0)
Sports and leisure activity score	<b>7.5</b> (±6.0)	<b>9.1</b> (±6.3)
WOMAC function score (0/100)	<b>32.4</b> (±18.6)	<b>38.3</b> (±21.3)

Characteristic	OR (95% CI)
Gender (Men/women)	1/1.85 (1.27 2.69)
Body mass index (Kg/m <sup>2</sup> )	1.04 (1.01 – 1.08)
Living area (Rural/urban)	1/1.51 (1.02 – 2.24)

	Practice's facilitators and barriers of regular PA			
CI)	Fractice Stachilators and Darriers of regular PA			
01)	I am in <b>high spirits</b> when I do PA **			
2.69)	i an ingreprice montae i v			
1 00)	I am <b>not motivated</b> to PA practice**			
1.08)				
2.24)	Today, I am <b>very uncertain that I can practice PA</b> **			
/	I am too tired to practice PA **			
	** Patients' responses have been encoded from 0 (totally disagree) to 4 (totally agree).			

# Time spent sitting time (min/week) and Factors significantly associated to (p-value <0,05)



Factors associated to spent more sitting time					
ender (M vs W)		<b>300</b> [210 - 360,8]	240 [180 - 360]		
besity (Y vs N)		<b>257,</b> 1 [197,1 - 361,5]	248,6 [180 - 360]		
alking device (Y v	s N)	<b>270</b> [197,1 - 420]	257,1 [180 - 360]		
ardiovascular disea	se (Y vs N)	<b>300</b> [197,1 - 390]	240 [180 - 360]		
Facilitators and barriers to reduce sitting time					
Meet other people **					
Liviing proximity to sports facility **					
Lake of Motivation **					
Deteriorating OA **					

# **Conclusion :**

The OA study population was less active : 2628 MET/min/week vs 3826 MET/min/week (*EUPASS*) and more sedentary : 283,6 min/week vs 126,01 min/week (Jacobi and al.) This study could help in better adaptation of health care measures, while taking into account

# **Conflict of Interest : NONE**

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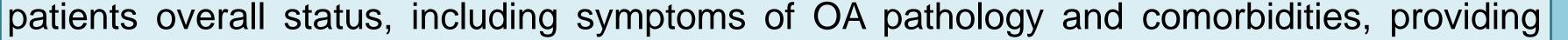
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