

**Supplemental Digital Content 3.** Baseline characteristics of the propensity matched cohort

Preoperative characteristics	no PsD	PsD	STD <sup>a</sup>
n (%)	n: 901	n: 901	
Age/years median (IQR)	69 (61-76)	69 (61-76)	
<50	71 (7.9)	59 (6.5)	-0.045
50-60	153 (17.0)	156 (17.3)	0.006
61-65	119 (13.2)	122 (13.5)	0.007
66-70	170 (18.9)	167 (18.5)	-0.008
71-75	158 (17.3)	162 (18.0)	0.011
76-80	118 (13.1)	119 (13.2)	0.002
81-85	84 (9.3)	84 (9.3))	0.000
>85	28 (3.1)	32 (3.6)	0.022
BMI median (IQR)	27.8 (24.7-32.0)	28.3 (24.7-32.0)	
<18.5	8 (0.9)	13 (1.4)	0.037
18.5-24.9	242 (26.9)	227 (25.2)	-0.032
25.0-29.9	296 (32.9)	327 (36.3)	0.058
30.0-34.9	238 (26.4)	217 (24.1)	-0.043
35.0-39.9	90 (8.9)	87 (9.7)	0.022
>39.9	37 (4.1)	30 (3.3)	-0.035
males	262 (29.1)	256 (28.4)	-0.013
total hip arthroplasty	406 (45.1)	423 (46.9)	0.029
total knee arthroplasty	495 (54.9)	478 (53.1)	-0.029

use of walking aids	326 (36.2)	328 (36.4)	0.003
housing conditions			
living alone	380 (42.2)	379 (42.1)	-0.002
in institution	9 (1.0)	12 (1.3)	0.022
smoking	204 (22.6)	200 (22.2)	-0.008
alcohol >2 units/day	65 (7.2)	58 (6.4)	-0.026
anemia	161 (17.9)	161 (17.9)	0.000
diabetes			
type-1 diabetes	11 (1.2)	8 (0.9)	0.027
type-2 diabetes	130 (14.4)	116 (12.9)	-0.036
cardiovascular disease	203 (22.5)	213 (23.6)	-0.021
pulmonary disease	83 (9.2)	99 (11.0)	0.048
psychopharmacological treatment:			
SSRI	390 (43.3)	N/A	N/A
other antidepressants	290 (32.2)		
antipsychotics	149 (16.5)		
SSRI + other antidepressants	72 (8.0)		

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<sup>a</sup>: STD standardized differences >0.10 chosen to indicate imbalance. BMI: Body Mass Index IQR: interquartile range N/A: not applicable PsD: psychiatric disorder SSRI: selective serotonin inhibitors