

**Table 2:** Serum 25-hydroxyvitamin D concentrations in healthy subjects, individuals with mild cognitive impairment, Alzheimer's disease, individuals with mild cognitive impairment after the follow-up examination, and individuals with mild cognitive impairment who progressed to Alzheimer's disease after the follow-up examination.

	<b>HS</b>	<b>MCI</b>	<b>p value</b>	<b>aOR (95 CI)</b>	<b>p value</b>
25(OH)D (ng/mL)	18.97 ± 8.34	16.00 ± 8.81	0.012	0.96 (0.92-0.99)	0.006
25(OH)D, n (%)			0.015		
<10 ng/mL	18 (17.5)	32 (29.4)		3.22 (1.46-7.12)	0.004
10 – 20 ng/mL	45 (43.7)	53 (48.6)		2.02 (1.05-3.87)	0.034
>20 ng/mL	40 (38.8)	24 (22.0)		Reference	
	<b>HS</b>	<b>AD</b>	<b>p value</b>	<b>aOR (95 CI)</b>	<b>p value</b>
25(OH)D (ng/mL)	18.97 ± 8.34	12.88 ± 7.68	<0.001	0.92 (0.89-0.95)	<0.001
25(OH)D, n (%)			<0.001		
<10 ng/mL	18 (17.5)	62 (44.9)		4.96 (2.37-10.39)	<0.001
10 – 20 ng/mL	45 (43.7)	52 (37.7)		1.99 (1.05-3.78)	0.036
>20 ng/mL	40 (38.8)	24 (17.4)		Reference	
	<b>MCI</b>	<b>AD</b>	<b>p value</b>	<b>aOR (95 CI)</b>	<b>p value</b>
25(OH)D (ng/mL)	16.00 ± 8.81	12.88 ± 7.68	0.003	0.95 (0.92-0.98)	0.003
25(OH)D, n (%)			0.044		
<10 ng/mL	32 (29.4)	62 (44.9)		1.98 (0.98-4.07)	0.062
10 – 20 ng/mL	53 (48.6)	52 (37.7)		1.00 (0.50-1.99)	0.998
>20 ng/mL	24 (22.0)	24 (17.4)		Reference	
	<b>MCI remained</b>	<b>MCI to AD</b>	<b>p value</b>	<b>aOR (95 CI)</b>	<b>p value</b>
25(OH)D (ng/mL)	17.62 ± 6.84	14.62 ± 6.92	0.028	0.90 (0.83-0.96)	0.003
25(OH)D, n (%)			0.032		
<10 ng/mL	10 (23.3)	22 (33.3)		6.11 (1.76-21.23)	0.004
10 – 20 ng/mL	18 (41.9)	35 (53.0)		4.56 (1.51-13.79)	0.007
>20 ng/mL	15 (34.9)	9 (13.7)		Reference	

Values are given as numbers and percentage in brackets or mean ± standard deviation, 25(OH)D: 25-hydroxyvitamin D, HS: healthy subjects, MCI: individuals with mild cognitive impairment, AD: individuals with Alzheimer's disease, remained MCI: individuals with mild cognitive impairment after the follow-up examination, MCI to AD: individuals with mild cognitive impairment who progressed to Alzheimer's disease after the follow-up examination, 95 CI: 95 % confidence interval, aOR: adjusted odds ratio for age, season of blood collection, educational status, sex, body mass index (BMI) and the presence of vascular risk factors included hypertension or/and diabetes.