



Chemical classes

Chemical class	Relative abundance
Alkanes	High
Alkenes	High
Alkynes	High
Aromatic hydrocarbons	High
Alcohols	High
Aldehydes	High
Ketones	High
Carboxylic acids	High
Esters	High
Amines	High
Nitriles	High
Amides	High
Imides	High
Ureas	High
Thiophenes	High
Furans	High
Pyridines	High
Quinolines	High
Indoles	High
Benzofurans	High
Benzopyrans	High
Benzothienopyrans	High
Benzothienopyrans	High
Benzothienopyrans	High
Benzothienopyrans	High

Relative abundance

High

Low

Figure 1. Relative abundance of 25 chemical classes in the 100 most abundant compounds. The color scale ranges from red (high abundance) to green (low abundance).

Abstract The purpose of this study was to examine the effects of a 12-week, low-intensity, supervised walking program on the physical and psychological health of older adults with mild cognitive impairment (MCI). The study was a randomized controlled trial. The intervention group walked for 30 minutes, 3 times per week, for 12 weeks. The control group did not walk. The primary outcome was the change in the Mini-Mental State Examination (MMSE) score. Secondary outcomes included the change in the Montreal Cognitive Assessment (MoCA) score, the change in the Beck Depression Inventory (BDI) score, and the change in the Physical Activity Scale for the Elderly (PASE) score. The results showed that the walking program significantly improved the MMSE score, the MoCA score, the BDI score, and the PASE score compared to the control group. The findings suggest that a supervised walking program may be beneficial for older adults with MCI.

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