



Supplemental Figure 1. Changes in sedentary time before and after treatment stratified by baseline characteristics

Patients were stratified into two groups by a median age of 70 years (A), median BMI of 22.9 kg/m² (B), median CAT score of 11 points (C), and median 6MWD of 455 m (D), for stratified analysis of factors associated with a reduction in sedentary time with Tio or Tio/Olo treatment. The error bars represent standard errors. p values show differences between two groups.

METs, metabolic equivalents; BMI, body mass index; CAT, COPD assessment test; 6MWD, 6-minute walk distance; Tio, tiotropium; Tio/Olo, tiotropium/olodaterol.

Supplementary table 1. The list of Investigator, center, and IRB

Investigator name	Center name (location) (location)	IRB (location)	Approval date (number)
Koichiro Takahashi	Saga University (Saga, Japan)	Same as on the left	6, March, 2017 (2016-12-01)
Masaru Uchida	Saga Central Hospital (Saga, Japan)	Same as on the left	14, April, 2017 *
Go Kato	Saga Prefectural Medical Center (Saga, Japan)	Same as on the left	28, March, 2017 (17-04-01-05)
Makoto Yoshida	Fukuoka Hospital (Fukuoka, Japan)	Same as on the left	27, April, 2017 (F29-1)
Tomotaka Kawayama	Kurume University (Fukuoka, Japan)	Same as on the left	15, May, 2017 (17029)
Shinichiro Hayashi	Kouhoukai Takagi Hospital (Fukuoka, Japan)	Same as on the left	7, August, 2017 (255)
Hiroshi Inoue	Karatsu Red Cross Hospital (Saga, Japan)	Same as on the left	12, January, 2018 (9-1)
Keisuke Kojima	Imari Arita Kyouritsu Hospital (Saga, Japan)	Same as on the left	14, March, 2018 (29-20)
Hiromi Kobayashi	East Saga Hospital (Saga, Japan)	Same as on the left	30, March, 2018 (29-22)

Note: * No reference number on the approval letter from IRB.

Abbreviation: IRB; institutional review board