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CORRIGENDUM

Statins in High-Risk Chronic Obstructive Pulmonary Disease Outpatients: No Impact on Time to First Exacerbation and All-Cause Mortality – The STATUETTE Cohort Study [Corrigendum]

Damkjær M, Håkansson K, Kallemose T, Ulrik CS, Godtfredsen N. *Int J Chron Obstruct Pulmon Dis.* 2021;16:579–589.

The authors have advised that the statistical analysis script incorrectly labelled patients receiving ICS/LABA-

combination inhalers as only receiving LABA. The error has resulted in an incorrect prevalence of ICS treatment in Table 1 on page 583 (7% instead of the correct 55%) as well as some changes in regression covariable estimates in Table 2 on page 584. The correct Tables 1 and 2 are shown below.

Table I Demographics of 950 COPD Patients	, Divided by Statin Treatment Status,	at a University Hospital Outpatient Clinic
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	Total, N = 950 ^a	Statin Users, N = 393 ^a	Non-Users, N = 557 ^a	p-value ^b 0.005	
Male (sex)	448 (47%)	207 (53%)	241 (43%)		
Age	71 (11)	73 (9)	69 (11)	< 0.001	
BMI	25.5 (5.8)	26.3 (5.5)	24.9 (5.9)	< 0.001	
History of smoking Current smoker Ex. smoker Never-smoker Missing values	247 (26%) 665 (70%) 37 (3.9%) I	101 (26%) 279 (71%) 13 (3.3%) 1	146 (26%) 386 (69%) 24 (4.3%) 0	0.701	
Pack years of smoking Missing values	43 (30, 51) 74	45 (32, 55) 26	40 (30, 50) 48	< 0.001	
FEV1%pred Missing values	44 (33, 57) I	45 (35, 60) 0	43 (31, 56) I	0.015	
GOLD stage 1-4 GOLD 1 GOLD 2 GOLD 3 GOLD 4	39 (4.1%) 332 (35%) 392 (41%) 186 (20%)	19 (4.8%) 149 (38%) 162 (41%) 63 (16%)	20 (3.6%) 183 (33%) 230 (41%) 123 (22%)	0.137	
MRC Missing values	3.30 (1.21) 11	3.33 (1.16) 6	3.28 (1.25) 5	0.633	
History of severe exacerbations (previously)	211 (22%)	89 (23%)	122 (22%)	0.848	
GOLD A-D groups A B C D Missing values	219 (24%) 308 (34%) 57 (6.3%) 327 (36%) 39	83 (22%) 134 (35%) 24 (6.3%) 138 (36%) 14	136 (26%) 174 (33%) 33 (6.2%) 189 (36%) 25	0.626	

(Continued)

Table I (Continued).

	Total, N = 950 ^a	Statin Users, N = 393 ^a	Non-Users, N = 557 ^a	p-value ^b	
Comorbidities					
Atrial fibrillation	157 (17%)	82 (21%)	75 (13%)	0.003	
Hypertension	469 (49%)	266 (68%)	203 (36%)	<0.001	
Stable ischemic heart disease	79 (8.3%)	67 (17%)	12 (2.2%)	<0.001	
History of ACS	59 (6.2%)	49 (12%)	10 (1.8%)	<0.001	
Diabetes type I or II	140 (15%)	110 (28%)	30 (5.4%)	<0.001	
History of stroke	102 (11%)	77 (20%)	25 (4.5%)	<0.001	
Congestive heart failure	76 (8.0%)	53 (13%)	23 (4.1%)	<0.001	
Cancer (any type)	128 (13%)	56 (14%)	72 (13%)	0.623	
Peripheral vascular disease	57 (6.0%)	44 (11%)	13 (2.3%)	<0.001	
Osteoporosis	241 (25%)	101 (26%)	140 (25%)	0.903	
Concomitant asthma	176 (19%)	58 (15%)	118 (21%)	0.015	
Total cholesterol (mM)	4.62 (1.62)	4.98 (1.07)	4.23 (1.12)	<0.001	
Missing values	196	32	164		
Single bronchodilator (LABA or LAMA)	818 (86%)	332 (84%)	486 (87%)	0.223	
Dual bronchodilators (LABA and LAMA)	260 (27%)	154 (28%)	106 (27%)	0.876	
ICS	520 (55%)	198 (50%)	322 (58%)	0.023	

Notes: ^aStatistics presented: n (%); mean (SD); median (IQR). ^bStatistical tests performed: chi-square test of independence; Wilcoxon rank-sum test.

Abbreviations: LABA, long-acting beta2-agonist; LAMA, long-acting muscarinic antagonist; ICS, inhaled corticosteroids; ACS, acute coronary syndrome; BMI, Body Mass Index; GOLD, Global Initiative for Chronic Obstructive Lung Disease; FEV1%pred, predicted forced expiratory volume in one second; MRC, Medical Research Council score.

Table 2 A Time-Varying Covariate Cox Proportional Hazard Regression for Association of Statin Use and Hazard Ratio (HR) f	or
Time to First Exacerbation in 950 COPD High-Risk Outpatients	

	Crude	Crude			Adjusted			Interaction CVD		
	HR	95% CI	p-value	HR	95% CI	p-value	HR	95% CI	p-value	
Statin use	1.10	0.92, 1.32	0.276	1.16	0.97, 1.41	0.108	1.14	0.88, 1.49	0.359	
Age				1.02	1.01, 1.03	<0.001	1.02	1.01, 1.03	<0.001	
Sex Male Female				I 1.09	0.91, 1.30	0.371	I 1.09	0.91, 1.31	0.330	
Congestive heart failure				1.03	0.75, 1.41	0.858	1.02	0.74, 1.40	0.924	
BMI				0.99	0.97, ~1.00	0.075	0.98	0.97, 1.00	0.065	
GOLD 1-4 stage GOLD 1 GOLD 2 GOLD 3 GOLD 4				l 3.57 5.36 8.91	1.45, 8.77 2.19, 13.1 3.61, 22.0	0.006 <0.001 <0.001	I 3.54 5.32 8.86	1.44, 8.71 2.17, 13.0 3.59, 21.9	0.006 <0.001 <0.001	
LABA or LAMA				0.98	0.74, 1.29	0.869	0.98	0.74, 1.29	0.883	
LABA and LAMA				1.04	0.82, 1.32	0.792	1.05	0.83, 1.33	0.826	
ICS				1.45	1.15, 1.84	0.002	1.45	1.15, 1.84	0.002	
Cardiovascular disease							1.09	0.79, 1.53	0.592	
Statin use* Cardiovascular disease							0.97	0.62, 1.50	0.879	

Note: The analysis was stratified for smoking status.

Abbreviations: HR, hazard ratio; CI, confidence interval; BMI, body mass index; GOLD, Global Initiative for Chronic Obstructive Lung Disease severity staging; LABA, long-acting beta2-agonist; LAMA, long-acting muscarinic antagonist; ICS, inhaled corticosteroids.

Page 579, Abstract, Results section, the text "When stratifying for moderate and severe exacerbations in a subanalysis in the same model, statin use did not have an increased HR for exacerbation of either severity (HR = 1.02 (95% CI 0.85 to 1.24; p = 0.811) and HR = 1.07 (95%CI 0.89 to 1.29; p = 0.492) respectively)" should read "When stratifying for moderate and severe exacerbations in a sub-analysis in the same model, statin use did not have an increased HR for exacerbation of either severity (HR = 1.02 (95% CI 0.85 to 1.23; p = 0.812) and HR = 1.07 (95%CI 0.89 to 1.29; p = 0.457) respectively)".

Page 584, right column, second paragraph, the text "When stratifying for moderate and severe exacerbations in a sub-

analysis in the same model, statin use was not to reduced time to AECOPD for either severity (HR = 1.02 (95% CI 0.85 to 1.24; p = 0.811) and HR = 1.07 (95% CI 0.89 to 1.29; p = 0.492) respectively)" should read "When stratifying for moderate and severe exacerbations in a subanalysis in the same model, statin use was not to reduced time to AECOPD for either severity (HR = 1.02 (95% CI 0.85 to 1.23; p = 0.812) and HR = 1.07 (95% CI 0.89 to 1.29; p = 0.457) respectively)".

The authors apologize for the error and advise the prevalence and regression analyses does not change the conclusions of the paper nor does it affect the presented main outcomes of the study.

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