

**Table 3**

Summary of the clinical measures, biomarkers, and cell counts among the four groups of COPD patients identified from the results of Figure 2: each group combines GOLDCD, EMPHETCD and FV950, with either BMI (Group I), DWALK (Group II), AGE (Group III) or Phlegm (Group IV).

	Group- IA (n = 25)	Group- IB, (n = 23)	p-values	Group- IIA (n = 21)	Group- IIB, (n = 32)	p-values	Group -IIIA (n = 15)	Group- IIIB (n = 28)	p- values	Group- IVA (n = 20)	Group- IVB (n = 26)	p-values
Age	65.4	65.4	-	63.9	65.4	-	58.73	68.7	***	63	65.96	-
Lung Function			-			-			-			-
FEV1	1.72	0.89	***	1.7	0.9	***	1.72	0.93	**	1.79	0.9	***
FEV1/FVC (%)	57.88	32.43	***	55.0	32.5	***	56.53	33.93	***	57.1	33.04	***
FEV1 reversibility (%)	7.64	4.73	***	11.5	7.2	***	11.62	5.93	***	10.4	5.5	***
Radiologist Emphysema			-			-			-			-
Emphysema severity	1.2	4.2	***	1.3	4.2	***	1.336	3.7	***	1.275	4.2	***
Densitometric Emphysema			-			-			-			-
Emphysema at -950 HU	6.98	33.42	***	6.6	31.7	***	7.71	28.09	***	7.06	33.42	***
Airflow Obstruction			-			-			-			-
GOLD Stage	2	3.3	***	2.0	3.3	***	2	3.2	***	2	3.3	***
Body Mass Index	30.76	21.21	***	27.3	24.2	*	29.87	25.8	-	28.67	24.42	*
Chronic Bronchitis (ATS_CB) 1 = no-CB	1 = 24%	1 = 30.4%	-	1 = 85.7%	1 = 62.5%	-	1 = 6.7%	1 = 37%	-	1- 100%	1 = 46.2%	***
Phelgm 1 = no chronic phlegm	1 = 56%	1 = 35%	-	1 = 62%	1 = 41%	-	1 = 66.6%	1 = 33%	-	1- 100%	1 = 0%	***
6 Minute Walk Distance	428.32	330.02	**	508.8	273.9	***	438.97	321.83	**	462.59	322.9	**
Exacerbations 0 = no- Exacerbations	0 = 68%	0 = 34.8%	-	0 = 71.4%	0 = 28.1%	**	0 = 60%	0 = 37%	-	0 = 70%	0 = 38.5%	*

CCL6	7.3	6.33	-	7.0	6.8	-	6.19	6.73	-	8.64	6.9	-
IL6	5.65	20.2	-	4.3	18.6	-	2.79	6.89	**	3.72	18.53	-
IL8	8.88	10.77	-	8.3	9.4	-	7.5	10.28	*	9.8	10.65	-
TNFa	26.99	160.32	-	31.7	162.9	-	2.35	60.44	-	24.14	142.3	-
CCL18	130.3	117.59	-	126.9	124.4	-	115.8	117.94	-	134	126.19	-
CRPHS	10.4	9.6	-	9.9	9.5	-	5.7	9.72	-	510	8.5	-
FIBRINOGEN	494.9	499.1	-	481.0	506.2	-	456.8	498.58	-	510.8	489.84	-
SPD	129.64	110.94	-	124.9	119.1	-	79.73	116.3	*	138.76	109.7	-
mMRC	3	2.09	**	1.0	2.4	***	1.21	2.04	*	1.1	2.04	*
SGRQ	43.29	55.55	**	35.9	56.0	***	41.8	52.87	*	36	57.73	***
FFMI	19.53	16.13	***	18.5	17.1	*	18.48	17.8	-	18.83	17.15	*
% Fat (Tissue)	34.92	29.08	**	31.0	31.7	-	35.96	31.94	-	32.69	31.25	-
			-			-			-			-
Neutrophils, % Neut_Blq	61.38	64.87	-	60.7	67.0	**	61.34	66.69	*	62.08	65.55	-
Eosinophils, % Eos blq	3	3.1	-	3.5	3.1	-	2.48	2.92	-	3.26	3.3	-
Lymphocytes, % lymphblq	28.63	24.84	-	28.6	23.2	*	29.19	23.55	*	27.77	23.688	-

\* =  $p$ -value < 0.05; \*\* =  $p$ -value < 0.01; \*\*\* =  $p$ -value < 0.0001; - = not significant