



TARGETING PATIENTS WITH PNEUMONIA BY COVID19 THAT COULD BE BENEFICIATED BY COLCHICINE

Elena Villamañán, Carmen Sobrino, Carmen Mateos, Victoria Collada, Ángela Hoyo, Sonia Mallón, J Pavón, Inmaculada Jiménez, Yolanda Larrubia, Alicia Herrero.

Pharmacy Service Hospital Universitario La Paz, Madrid.



Primary endpoint: evaluate whether treatment with colchicine reduced the rate of death in COVID-19 hospitalized patients.

Secondary endpoints: length of stay (LOS), differences in response to colchicine according to the total dose, gender and age, inflammatory markers, comorbidities, and concomitant drugs prescribed to treat coronavirus.



•Real-world, controlled, retrospective study carried out in two tertiary hospitals in Spain.

 Patients (≥ 18 years) hospitalised with a diagnosis of COVID-19 pneumonia from March to June 2020.

•Patients who received colchicine (colchicine group-CG) VS

patients who did not (non-colchicine group-NCG). Controls were matched to the CG 1:1 by age (±2 years), sex and severity of the disease.

•Exclusion of COVID-19 patients admitted to critical care units.



PATIENT'S CHARACTERISTICS CG Characteristic N=111 N=111 81 [66-87] 79 [66-88] Age, years 81 (73) 80 (72.1) ≥70 years 60/111 (54.1) Males 56/111 (50.5) Comorbidity* 98 (88.3) 99 (89.2)

*Most frequently: systemic hypertension, diabetes, COPD and cardiovascular disease, with no differences in deaths between both groups

PRIMARY ENDPOINT						
	CG (N=111)	NCG (N=111)	р			
Discharge	77 (70.6%)	92 (82.9%)	0.031			
Death	32 (29.4%)	19 (17.1%)				

Higher hospital LOS in CG with respect to NCG: 13 [7-20] vs 10 [6-15]; p= 0.019.

SECONDARY ENDPOINTS		Death		
		CG	NCG	ρ
Total dose of colchicine	≤ 7.5 mg	8/64 (12.5%)	-	0.132
	> 7.5 mg	11/47 (23.4%)	_	
Age	≥ 70 years	17/81 (21%)	31/79 (39.2%)	0.012
	< 70 years	2/30 (6.7%)	1/30 (3.3%)	1
Gender	Males	9/60 (15%)	14/56 (25%)	0.177
	Females	10/51 (19.6%)	18/53 (34%)	0.099
Inflammatory marker	Fibrinogen ≥ 450 mg/dL	15/40 (37.5%)	25/40 (62.5%)	0.057
	D-dimer ≥ 500 ng/mL	16/35 (45.7%)	19/35 (54.3%)	0.167

Almost all patients received antimicrobials (91.9%) concomitantly, mainly azithromycin and ceftriaxone.

	CRP ≥ 5 mg/mL	19/50 (38%)	31/50 (62%)	0.046	
Concomitant treatments	Hidroxicloroquine	16/39 (41%)	23/39 (59%)	0.076	
	Corticosteroids	12/28 (42.9%)	16/28 (57.1%)	0.096	
	Tocilizumab	3/6 (50%)	3/6 (50%)	0.669	
	Antibiotic	19/50 (38%)	31/50 (62%)	0.023	

I. Colchicine may reduce mortality in COVID-19 hospitalized patients with pneumonia.

II.More RCTs are still needed in order to identify which patients hospitalized for COVID-19 pneumonia may benefit from this safe and inexpensive drug.

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M04-ANTIGOUT PREPARATIONS