

CLINICAL OUTCOME AND 7-DAY VIROLOGICAL CLEARANCE IN HIGH-RISK PATIENTS WITH MILD-MODERATE COVID-19 TREATED WITH MOLNUPIRAVIR, NIRMATRELVIR/RITONAVIR OR REMDESIVIR

Francesca Bai^{1*}, Tomaso Beringheli¹, Virginia Vitaletti¹, Andrea Santoro¹, Francesco Molà¹, Alessandro Copes¹, Nicole Gemignani¹, Sofia Pettenuzzo¹, Roberto Castoldi¹, Benedetta Varisco¹, Riccardo Nardo¹, Lorenzo Brando Lundgren¹, Riccardo Ligresti¹, Matteo Sala¹, Lorenzo Albertini¹, Matteo Augello¹, Lorenzo Biasioli¹, Valeria Bono¹, Roberta Rovito¹, Teresa Bini¹, Sabrina Passarella², Nicola Vincenzo Orfeo², Antonella d'Arminio Monforte¹, Giulia Marchetti¹

¹Clinic of Infectious Diseases, San Paolo Hospital, ASST Santi Paolo e Carlo, Department of Health Sciences, University of Milano, Milan, Italy

² Strategic Hospital Management, ASST Santi Paolo e Carlo, Milan, Italy

*Corresponding author:

Francesca Bai, MD, PhD

Department of Health Sciences, University of Milan, Clinic of Infectious Diseases, San Paolo Hospital, ASST Santi Paolo e Carlo, Milan, Italy

Address: Via A. Di Rudinì, 8 - 20142 Milan, Italy

E-mail: francesca.bai@asst-santipaolocarlo.it

Phone: +39 0281843046 - Fax: +39 0281843054

Prior Presentation

Preliminary results were presented at the HIV Drug Therapy Glasgow Conference, 23rd-26th October, 2022.

Supplementary Table 1 Factors associated with virological clearance at T7 (negative antigenic or RNA nasopharyngeal swab at day 7 after beginning of antiviral treatment) in outpatients by fitting a logistic regression analysis

Parameters	OR	95% CI	p values	AOR	95% CI	p values
Age, Each year more	0.975	0.956- 0.993	0.008	0.983	0.962-1.004	0.105
Sex: Female Male	1 0.802	 0.449- 1.433	 0.456			
Vaccination: >120 days ≤120 days	1 0.566	 0.298- 1.075	 0.082			
Immunodeficiency: Yes No	1 0.782	 0.357- 1.710	 0.537	1 1.464	 0.597-3.591	 0.405
Days from symptoms onset to treatment, Each day more	1.035	0.869- 1.234	0.698			
Antiviral treatment: Nirmatrelvir/Ritonavir Remdesivir Molnupiravir	1 0.335 0.181	 0.162- 0.690 0.084- 0.390	 <0.001 0.003 <0.001	1 0.356 0.196	 0.167-0.758 0.088-0.439	 <0.001 0.007 <0.001

LEGEND OR, odds ratio; AOR, adjusted odds ratio; 95%CI, 95% confidence interval. Multivariable logistic regression model is adjusted for age and immunodeficiency.