

Haematologica
HAEMATOL/2020/269878
Version 4

Immunologic characterization of COVID-19 patients with hematological cancer

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Disclosures: None

Contributions: BP and JRY conceived the idea and designed the study protocol. ALDdC, SI, CP, and LB performed flow cytometry immunophenotyping. CMa, EMS, ALDdC, SI, CP, AZ, CMo, and BP analyzed flow cytometry data. CP and DA performed cell sorting. SS and AV-Z performed next-generation RNA sequencing. JYG analyzed RNAseq data. MFL, BGA, FA, CR, AP, AM, RA, EC, CQ, MO, AB, JA and JRY provided study material and/or patients. CMa, EMS, JYG, CP, CB and BP performed statistical analysis. CMa, EMS, JYG, BP and JRY wrote the manuscript.