

Haematologica
HAEMATOL/2015/137059
Version 4

Mutations of TP53 in adult acute lymphoblastic leukemia at diagnosis do not affect the achievement of hematologic response but correlate with early relapse and very poor survival

Silvia Salmoiraghi, Marie Lorena Guinea Montalvo, Greta Ubiali, Manuela Tosi, Barbara Peruta, Pamela Zanghi', Elena Oldani, Cristina Boschini, Alexander Kohlmann, Silvia Bungaro, Tamara Intermesoli, Elisabetta Terruzzi, Emanuele Angelucci, Irene Cavattoni, Fabio Ciceri, Renato Bassan, Alessandro Rambaldi, and Orietta Spinelli

Disclosures: The authors do not have conflict of interest to disclose, except for A.Kohlmann, who is an employee and hold stocks of AstraZeneca.

Contributions: SS wrote the manuscript and performed TP53 experiments and computational analysis; MLGM wrote the manuscript; GU performed TP53 experiments and computational analysis; MT performed TP53 experiments and MRD analysis; BP performed MRD analysis; PZ performed TP53 computational analysis; EO and CB collected patients data and performed statistical analysis, AK designed TP53 plate for NGS analysis and supervised IRONII study; SB performed SNP analysis; TI, ET, EA, IC and FC followed the patients and provided blood and marrow samples; RB designed the clinical trial and followed the patients; AR and OS designed and supervised the study and wrote the manuscript.