Haematologica HAEMATOL/2015/138289 Version 3

Autoimmune cytopenias in patients with chronic lymphocytic leukemia treated with ibrutinib

Candida Vitale, Inhye E. Ahn, Mariela Sivina, Alessandra Ferrajoli, William G. Wierda, Zeev Estrov, Sergej N. Konoplev, Nitin Jain, Susan O' Brien, Mohammed Farooqui, Michel J. Keating, Adrian Wiestner, and Jan A. Burger

Disclosures: JAB, AW, and SOB received research funding from Pharmacyclics. The other authors declare no competing financial interests.

Contributions: CV treated patients, collected, analyzed and interpreted data, and wrote the manuscript; IEA treated patients, collected data, and wrote the manuscript; MS performed cytokine analysis, analyzed and interpreted data, and wrote the manuscript; SNK performed hematopathology evaluation; AF, WGW, ZE, NJ, SOB, MF, MJK and AW treated patients; JAB designed the study, treated patients, analyzed and interpreted data, and wrote the manuscript. All authors reviewed and gave the final approval for the manuscript.