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Information about the contributions of each person named as having participated in the study

- 1) **Guarantor(s)**, i.e., person(s) who is (are) responsible for the integrity of the work as a whole:
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2) **Authors who participated in the conception of the study:** Francesco Lo-Coco and Emanuele Ammatuna

3) **Design & Methods.** The following authors were responsible for specific investigations (please detail):

- Francesco Lo Coco and Emanuele Ammatuna were responsible for designing of the study
- Pau Montesinos was responsible for statistical analyses and prepared the survival curves for the study
- Syed Khizer Hasan was responsible for collecting and characterizing the patient’s samples. He was also responsible for FLT3 mutational and PML-RARA breakpoints analysis.
- Safaa Ramadan was responsible for clinical data analysis, interpretation and also prepared tables for the paper
- Jordi Esteve, Maximillian Hubmann and Maria Pagoni were responsible for patients work up, providing samples and clinical information for the patients included in the study
- David Grimwade and Miguel Angel Sanz were responsible in developing clinical protocols for patient’s treatment and also provided patient samples
- Francesco Lo-Coco was responsible in conception and design of the study and supervision of the whole work

4) **Results.** The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):

- Francesco Lo Coco and Emanuele Ammatuna were responsible for acquisition of data, compilation of results and overall interpretation
- Pau Montesinos was responsible for preparation and interpretation of survival curves
- Syed Khizer Hasan was responsible for performing and analyzing the molecular results.
- Safaa Ramadan was responsible for the interpretation of the tabular data and patients outcome

5) **Writing the manuscript.** The following authors were responsible for writing the manuscript:
• Emanuele Ammatuna, Syed Khizer Hasan, Safaa Ramadan and Francesco Lo-Coco contributed to manuscript writing.

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