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

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2) Authors who participated in the **conception of the study**: Pau Montesinos, Eva Barragan and Miguel A. Sanz

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

- Eva Barragan , Oscar Fuster, Mireia Camos, Carmen Chillon and María J. Larrayoz performed molecular analysis
- Marcos González, Maria J. Calasanz, José Román-Gómez, Maria T. Gómez-Casares, Rosa Ayala, Javier López, Pedro Sánchez-Godoy, José González-Campos, Félix Manso, Maria L. Amador, Edo Vellenga, and Bob Lowenberg included data of patients treated in their institutions

4) **Results**. The following authors were responsible for specific portions of the results, including figures and tables:

- Pau Montesinos performed the statistical analyses, figures and tables
- Pau Montesinos, Eva Barragan, and Miguel A. Sanz analyzed and interpreted the data
- All the authors contributed to the discussion

5) **Writing the manuscript**. The following authors were responsible for writing the manuscript:

- Pau Montesinos, Eva Barragan, Bob Lowenberg, and Miguel A. Sanz wrote the paper
- All the authors reviewed the manuscript and contributed to the final draft.

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