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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**: Kiladjian Jean-Jacques, Carpentier Antoine designed the study.

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

- Billot Segolene, Le Guilloux Johan, Carpentier Antoine were responsible for neurological evaluations, data collection.
- Kiladjian Jean-Jacques, Kouroupi Eirini, Fenaux Pierre were responsible for patient selection, hematological evaluations, data collection.
- Cassinat Bruno was responsible for molecular analyses.
- Jardin Caroline was responsible for MRI studies.
- Laperche Thierry was responsible for cardiovascular studies.

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):

- Carpentier Antoine was responsible for statistical analyses
- Billot Segolene, Le Guilloux Johan, Carpentier Antoine were responsible for the “description of neurological symptoms”, “evolution of neurological symptoms during therapy”, and for Table 1.
- Jardin Caroline, Laperche Thierry, Cassinat Bruno were responsible for “*Imaging and laboratory investigations in patients presenting with neurological symptoms*”, for data included in Tables 1 and 2.
- Kiladjian Jean-Jacques, Kouroupi Eirini, Fenaux Pierre were responsible for “Evolution of neurological symptoms during therapy”, and for data included in Table 2.

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

- Billot Segolene, Carpentier Antoine, Kiladjian Jean-Jacques were responsible writing the manuscript.

6) **Contributors Listed in Acknowledgments**: none.