

**Manuscript no. HAEMATOL/2011/047365 entitled “Frequency of painful crises in sickle cell anemia and its relationships with the sympatho-vagal balance, blood viscosity and inflammation“**

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

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**The guarantors of this manuscript confirm that all persons designated as authors qualify for authorship, and that each author has participated sufficiently in the work to take public responsibility for appropriate portions of the content.**

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

- Marie-Dominique Hardy-Dessources was responsible for the analysis of inflammatory markers
- Jennifer Knight-Madden was responsible of recruitment and clinical description of patients
- Marc Romana was responsible for the analysis of inflammatory markers
- Harvey Reid was responsible for hemorheological measurements
- Marvin Reid was responsible of recruitment and clinical description of patients
- Philippe Connes was responsible of project coordination and analysis of the autonomic nervous system activity
- Danitza Nebor was responsible for the analysis of inflammatory markers
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- Vanessa Cumming was responsible of recruitment and clinical description of patients
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4) **Results.** The following authors were responsible for specific portions of the results, including figures and tables:

- Marie-Dominique Hardy-Dessources was responsible for inflammation analysis
- Jennifer Knight-Madden was responsible for hematological and clinical status analysis
- Marc Romana was responsible for inflammation analysis
- Harvey Reid was responsible for hemorheological analysis
- Marvin Reid was responsible for hematological and clinical status analysis
- Philippe Connes was responsible for the whole data analysis and made the tables
- Danitza Nebor was responsible for inflammation analysis and made the tables
- Andre Bowers was responsible for hemorheological analysis
- Olivier Hue was responsible for the analysis of autonomic nervous system activity
- Jean-Claude Barthélémy was responsible for the interpretation of the autonomic nervous system
- Jacques Elion was responsible for hematological interpretation

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

- Marie-Dominique Hardy-Dessources wrote the manuscript
- Jennifer Knight-Madden wrote the manuscript
- Marc Romana wrote the manuscript
- Harvey Reid wrote the manuscript
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- Philippe Connes wrote the manuscript
- Danitza Nebor wrote the manuscript
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- Olivier Hue carefully read and comments the manuscript
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