

Manuscript no. HAEMATOL/2012/065698 entitled "Extramedullary disease portends poor prognosis in multiple myeloma and is overrepresented in high risk disease even in era of novel agents"

Authors: Saad Z. Usmani, Christoph Heuck, Alan Mitchell, Jackie Szymonifka, Bijay Nair, Antje Hoering, Yazan Alsayed, Sarah Waheed, Sajjad Haider, Alejandro Restrepo, Frits Van Rhee, John Crowley and Bart Barlogie.

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:
• Saad Z. Usmani, susmani@uams.edu, University of Arkansas for Medical Sciences, 4301 W. Markham Street, Little Rock, AR.

According to the International Committee of Medical Journal Editors (ICMJE) (http://www.icmje.org/ethical_1author.html): "Authorship credit should be based on: 1) substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; 2) drafting the article or revising it critically for important intellectual content; and 3) final approval of the version to be published. Authors should meet conditions 1, 2, and 3 Acquisition of funding, collection of data, or general supervision of the research group alone does not constitute authorship".

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.

2) Authors who participated in the **conception of the study**: Saad Z. Usmani, Bart Barlogie

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

- Saad Z. Usmani, Bart Barlogie, Alan Mitchell, Jackie Szymonifka, Antje Hoering, John Crowley were responsible for designing study and methodology
- Saad Z. Usmani, Bart Barlogie, Sarah Waheed, Yazan Alsayed, Bijay Nair, Frits Van Rhee, Sajjad Haider, Alejandro Restrepo contributed patients for the study

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):

- Saad Z. Usmani, Christoph Heuck, Bart Barlogie, Alan Mitchell, Jackie Szymonifka, Antje Hoering, John Crowley were responsible for interpreting study results

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

- Saad Z. Usmani, Bart Barlogie, Alan Mitchell, Jackie Szymonifka, Antje Hoering, John Crowley

6) **Contributors Listed in Acknowledgments**: -