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2) Authors who participated in the **conception of the study**: Rahel Froehlich-Zahnd, Bernhard Lämmle, Johanna A. Kremer Hovinga, James N. George

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

- Rahel Froehlich-Zahnd developed and performed the FRETs-VWF73 ADAMTS13 assay, the flow-based ADAMTS13 activity assay, the dot-immunobinding assay and assisted in doing the VWF multimer analysis, ELISAs and quantitative immunoblotting assay for ADAMTS13 activity.
- Irmela Sulzer performed the quantitative immunoblotting assay; the ELISAs and VWF multimer analysis.
- Johanna A. Kremer Hovinga performed the FRETs-VWF73 ADAMTS13 assay, epitope mapping using recombinant ADAMTS13 fragments and the protein G-sepharose experiments and supervised experiments performed by Rahel Froehlich-Zahnd and Irmela Sulzer.
- James N. George, Sara K. Vesely, and Deirdra R. Terrell took care of the patient, collected patient’s blood samples and provided clinical information and routine laboratory parameters.
- Khatira Aboulfatova, and Jing-Fei Dong (together with Rahel Froehlich-Zahnd) performed the flow-based ADAMTS13 assay.
- Brenda M. Luken, and Jan Voorberg (together with Johanna A. Kremer Hovinga) performed the epitope mapping using recombinant ADAMTS13 fragments.
- Ulrich Budde (and Irmela Sulzer) performed VWF multimer analysis.

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):

- James N. George, Sara K. Vesely, and Deirdra R. Terrell are responsible for the clinical and laboratory information presented in table 1.

- Rahel Froehlich-Zahnd, Irmela Sulzer, Khatira Aboulfatova (flow-based assay results), Jing-Fei Dong (flow-based assay results), Ulrich Budde (VWF multimer analysis) and Johanna A. Kremer Hovinga are responsible for the data presented in table 2.
- Rahel Froehlich-Zahnd and Johanna A. Kremer Hovinga are responsible for the data in figure 1 and 2A.
- Johanna A. Kremer Hovinga, Brenda M. Luken and Jan Voorberg are responsible for the data presented in figure 2B.
- Johanna A. Kremer Hovinga is responsible for the data presented in figure 3.

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

- Johanna A. Kremer Hovinga wrote the manuscript.
- Rahel Froehlich-Zahnd, James N. George and Bernhard Lämmle provided editorial help.
- All co-authors approved the final manuscript.

6) **Contributors Listed in Acknowledgments:**

We had no assistance with the study design, data collection, data analysis, or manuscript preparation other than declared in points 2-5.

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