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**entitled**

“Common Clonal Origin of an acute B Lymphoblastic Leukemia and a Langerhans Cell sarcoma: Evidence for hematopoietic plasticity“

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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 (please detail):

- **Richard Ratei was responsible for design of the clinical strategy, treatment and analysis of data**
- **Michael Hummel was responsible for molecular studies**
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- **Doris Jähne was responsible for immunohistological analysis**
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- **Bernd Dörken was responsible for design and data analysis**
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- **Wolf-Dieter Ludwig was responsible for clinical strategy, design and data analysis**
- **Harald Stein discovered the case and was responsible for design and concept of the research**

#### 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):

- **Richard Ratei was responsible for Figure 1 and 5**
- **Harald Stein, was responsible for Figure 2**
- **Ioannis Anagnostopoulos was responsible for Figure 2**
- **Michael Hummel was responsible for Figure 4**
- **Oliver Dudeck was responsible for Figure 3**

#### 5) Writing the manuscript.

The following authors were responsible for writing the manuscript:

- **Richard Ratei was responsible for "Introduction", "Patient characteristics", "Clinical course", "Discussion" and drafting.**
- **Michael Hummel was responsible for "Molecular analyses", "Molecular features of the Langerhans cell sarcoma and B-ALL" and "Discussion"**
- **Ioannis Anagnostopoulos was responsible for "Immunohistochemistry" and "Phenotypical characteristics of the malignant Langerhans cell sarcoma"**
- **Harald Stein was responsible for "Introduction", "Phenotypical characteristics of the malignant Langerhans cell sarcoma", "Discussion", drafting and revising**
- **Stephan Mathas was responsible for "Discussion"**

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