

Center for Human Radiobiology  
Peripheral Leucocyte Chromosome Analysis

701049

Case # 40-012

Sample date Feb. 14, 1973

A sample of peripheral blood was drawn from the patient into a sterile heparinized tube at Strong Memorial Hospital, Rochester, New York. Leucocytes were cultured, using standard culture techniques including PHA stimulation. The cultures were terminated after 50-53 hours. Slides were examined following standard Giemsa staining. Slides were scored on 3/14/73 and a sample of 100 cells was obtained. The sample consisted of sufficiently well spread cells with 46 or more centromeres. A copy of the cytogenetic unit's score sheet is attached.

Results were as follows:

|   | Number |
|---|--------|
| Cells with 46 centromeres                     | 92     |
| Cells with > 46 centromeres                   | 8      |
| % hyperdiploid cells                          | 8      |
| Rings + dicentrics (and associated fragments) | 0      |
| Chromosome minutes                            | 0      |
| Acentric fragments                            | 0      |
| <u>Total chromosome aberrations per cell</u>  | 0      |
| Chromatid deletions                           | 1      |
| Gaps  | 1      |
| <u>Total chromatid aberrations per cell</u>   | .02    |
| <u>Total aberrations per cell</u>             | .02    |

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Date of report

7/1/72

Submitted by S. F. Hojerman

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