# Supplementary article data

# Dichotomous location of 160 atypical femoral fractures

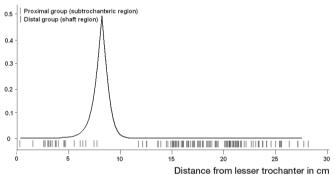
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#### Supplementary material 1

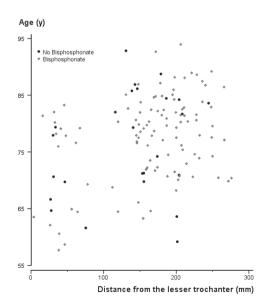
The degree of uncertainty of group affiliation of atypical fractures along the shaft. Each fracture is shown as a vertical line above the distance axis.

#### Uncertainty



#### Supplementary material 2

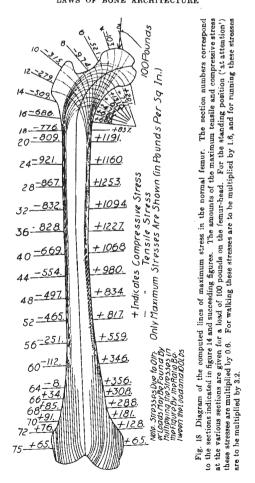
Scatter plot of the atypical femoral shaft fractures showing distance from the lesser trochanter, patient age at fracture occurrence, and bisphosphonate medication.



## Supplementary material 3

Koch's classical analysis of the distribution of stress along the shaft. The highest tensile stress is located in the lateral side of the subtrochanteric region and remains at a rather high level further down into the mid-shaft, where it rapidly decreases.

#### LAWS OF BONE ARCHITECTURE



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