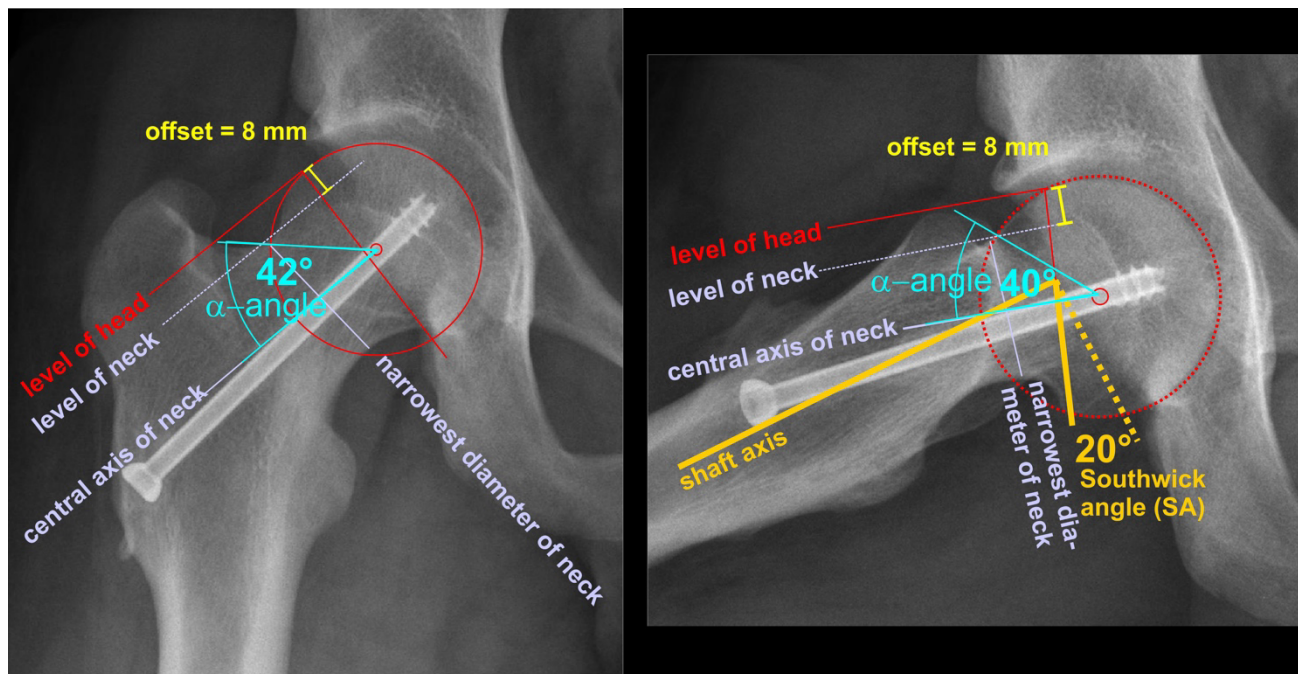


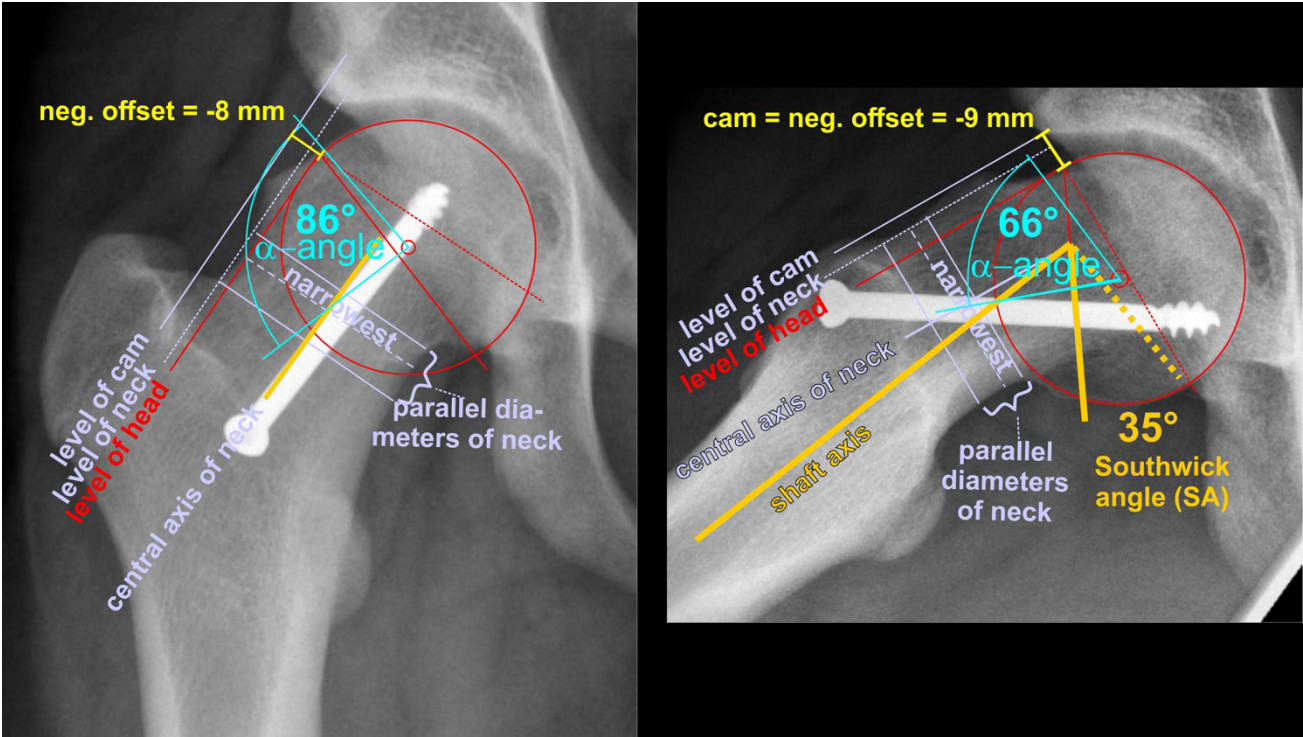
1 Supplementary Material

2 Figure 3



3
4 Measurements of the Southwick angle (SA), the positive offset and the alpha-angle at end of growth in cases of
5 a normal position of the head on anteroposterior (**left**) and frog-lateral radiographs (**right**) in a case with a
6 centered head.

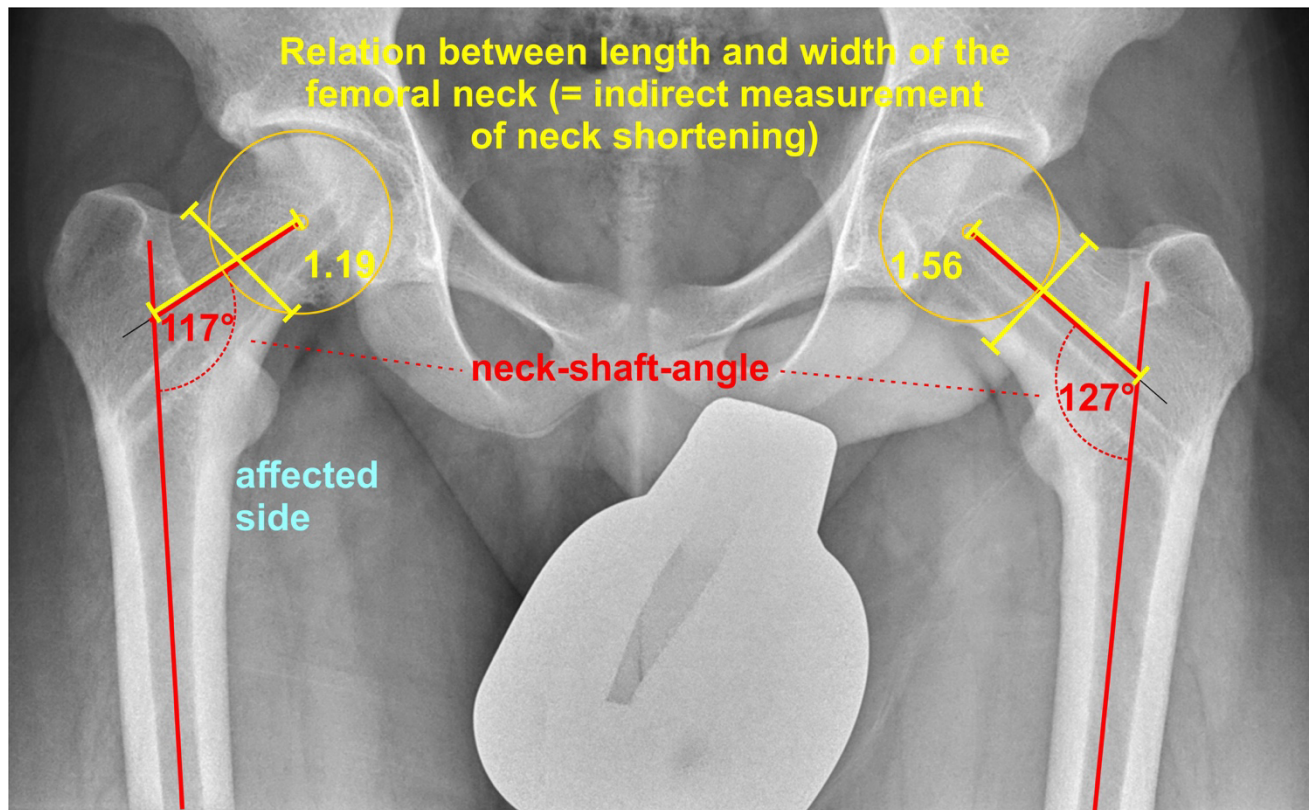
7 **Figure 4**



8

9 Measurements of the Southwick angle (SA), the positive offset and the alpha-angle at end of growth in cases of
10 a decentered head on anteroposterior (**left**) and frog-lateral radiographs (**right**) in a case with a centered head.

11 **Figure 5**



12

13 At end of growth the neck-shaft angle and the relation between length and width of the femoral neck was
14 measured with a standardized method. This radiograph is also an example of the growth disturbance on the
15 affected side.