

Fig. E-1

In pathological humeral heads, the best-fit sphere is aligned with the preserved lateral landmarks of the humerus. Optimal placement and size of the best-fit sphere is important to determine the center of rotation (COR) of the humeral head and the normalized percentage of offset.

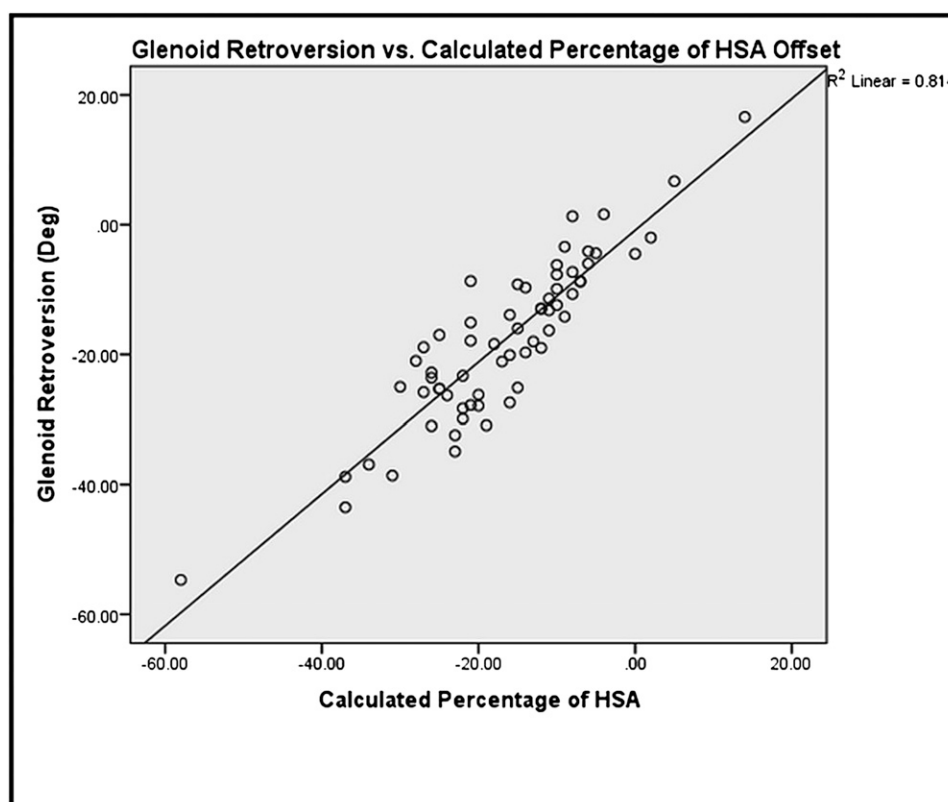


Fig. E-2

This graph plots the measured glenoid retroversion in degrees for each patient compared with the humeral-scapular alignment (HSA) offset calculated as percentage of the diameter of the humeral head. A trend line was fit to the data.

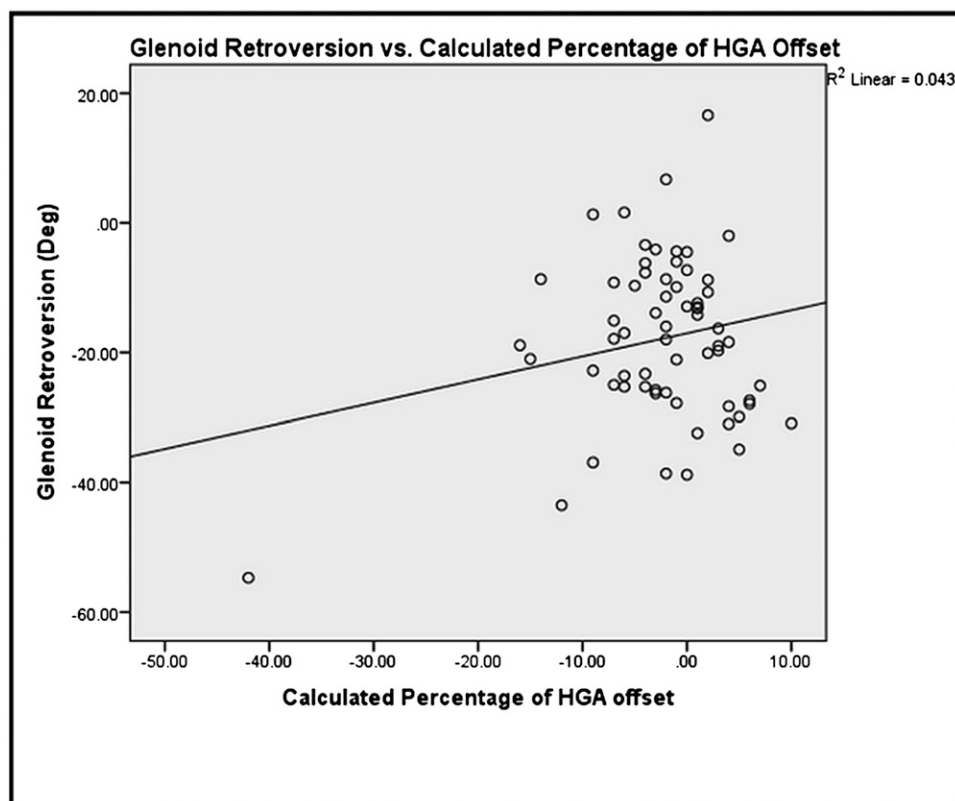


Fig. E-3

This graph plots the measured glenoid retroversion in degrees for each patient compared with the humeral-glenoid alignment (HGA) offset calculated as percentage of the diameter of the humeral head. A trend line was fit to the data.