

Normal Glenoid Size of the Korean in 7th and 8th decades

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Purpose

To evaluate the normal glenoid size of the Korean in their 7th and 8th decades with the Computed tomographic (CT) studies.

Materials and Methods

The CT images were obtained from normal scapulae of the patients (mean age : 68.8) with the humeral fracture cases. A Display workstation version 2.0.73.315 was used to measure the scans to determine the maximal superoinferior (SI) and anteroposterior (AP) diameter of the glenoid vault.

Results

The average diameter of curvature of the glenoid were 31.2 mm(range, 27 to 34 mm) in the superior-inferior directions and 26.1 mm (range, 22 to 31 mm) in anterior-posterior.

Conclusion

This study showed the normal glenoid size of the Korean and it is different from the size which the international literature reported. It would be important factor for the treatment of fracture or arthroplasty implant designs.

Key Words: Shoulder, Glenoid size, Superoinferior diameter, Anteroposterior diameter