



Relationship between Ulnar Variance with the Quick Dash Score Assessment of Extraarticular Distal Radius Fractures at Haji Adam Malik Hospital from January 2012 - January 2017

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Abstract : Objective : Distal radius fractures represents one-sixth of all fractures in emergency ward. The correlation between radiological and functional outcomes after distal radius fractures remains controversial. It is important to know factors that affect functional outcomes after treatment of distal radius fractures.

Methods : This research is cross-sectional study that asseses the relationship between ulnar variance and Quick DASH Score in patients with extra-articular distal radius fractures Haji Adam Malik Hospital from January 2012 to January 2017. Ulnar variance assessed from PA x-rays and Quick DASH Score filled by patients. Data will be tested with computer-based system using Spearman correlation test.

Results : From a total of 7 subjects as a min sample, 21 subjects were studied with female patients 7 (33.3%) and male 14 (66.7%), youngest at 16 years and oldest at 59 years with average $38,19 \pm 14,76$ years, ORIF 20 patients (female 7 [35%], male 13 [65%]), SAC 1 patients (male 1 [100%]). UV less than 0 are female 3 and male 10 patients, UV more than 1 are 4 patients both female and male. Mean Quick DASH Score 7.77 ± 8.69 median 4.54. From data using computer-based system it was found that P 0,001 meaning there is significant difference in outcomes between the ulnar variance and the Quick DASH Score of extra-articular distal radius fractures.

Discussion : There is a relationship between ulnar variance with Quick DASH Score of extra-articular distal radius fractures at Haji Adam Malik Hospital from January 2012 to January 2017.

Keywords : Distal Radius Fractures, extraartiular, ulnar variance, Quick DASH Score.