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Five-year prevalence of recurrent shoulder dislocation in the entire polish population

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Introduction: To our knowledge, the literature lacks papers presenting data on the prevalence of recurrent shoulder joint dislocation. This is due to a unique natural history of this condition as, recurrent shoulder dislocation; it is not possible, in contrast to e.g. flu cases, to state that the sum of recorded diagnoses equals the number of patients and then use these data to estimate the prevalence.

Aim: The aim of the study was to evaluate five-year period prevalence of recurrent shoulder dislocation in entire Polish population.

Method: The study involved the entire polish population between 01 January 2010 and 31 December 2014. Demographic data were retrieved from the central statistical office of Poland. Data on the number of shoulder joint dislocations were retrieved from the database of the national health fund.

Result: We identified 32,253 Polish residents with shoulder instability. About 0.1% of Polish residents suffered from recurrent shoulder dislocation. Males suffered almost two times more likely than females (66% and 34%, respectively) and male gender was recognized as a risk factor of instability ($OR=2.07$, $p<10^{-10}$). Females in eight decade of life had the highest risk of recurrent shoulder dislocation ($OR=3.33$, $p<10^{-10}$). In males the highest risk of recurrences was noted for the third decade of life ($OR=1.78$, $p<10^{-10}$).

Conclusion: The period prevalence rate of recurrent shoulder dislocation in Poland is 83.7 per 100,000 persons per five years. The rate of recurrent shoulder dislocation for general polish population is 0.1%. Males were suffered from recurrent shoulder dislocation almost twice as frequently as females ($OR=2.07$).

Biography

Szyluk K is currently working as the Deputy Head of the Department VI at the District Hospital of Orthopedics and Trauma Surgery, Poland. He has 30 scientific papers to his credit. He was a participant, organizer and speaker at many international scientific conferences and a scientific reviewer of papers in magazines.

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