

**RISK FACTORS GOUT ARTHRITIS AMONG ELDERLY AT WORKING
AREA OF SINGAPARNA HEALTH CENTER YEAR 2018**

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Abstract

Background: Gout Arthritis is a joint inflammatory disease due to the deposition of monosodium urate crystals found in other joint tissue fluids. The aims of this study was to determined the relationship between age, sex, obesity, exercise habits, with incidence of gout arthritis in the elderly at Working Area of Singaparna Health Center in Tasikmalaya Year 2018. **Subject and Methods:** The study was observational analytic using case control design. The population is all elderly at Working Area of Singaparna Health Center. The sample was 45-80 years old elderly who were selected based on inclusion criteria with totality sampling and consecutive sampling in January 2018. The instrument of this study used questionnaires and physical measurements. Data analysis used was univariate and bivariate. **Result:** The results of this study showed that were not relationship between sex (OR:0,58; CI 95%: 0,18-1,83; $p=0,301$), age(OR: 3,22 CI 95%: 0,27-85,70, $p=0,3$), exercise habits with gout arthritis (OR: 1,73, CI 95%:0,55-5,53, $p=0,297$). There was a relationship between obesity with the incidence of gout arthritis (OR: 14,50, CI 95%: 1,65 - 327,07, $p=0,002$). **Conclusion:** Based on this research result, it can be concluded that obesity was a risk factor for the incidence of gout arthritis.

Keyword : Risk Factor Gout Arthritis, Obesity, Gout Arthritis

