

عنوان مقاله:

Caffeine Consumption and Its Association with Parkinson's Disease: Systematic Review and Meta- Analysis

محل انتشار:

سومین همایش بین المللی التهاب سیستم عصبی و سومین فستیوال دانشجویی علوم اعصاب (سال: 1398)

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خلاصه مقاله:

According to the recent studies, many scientists indicated the inverse relation between caffeine consumption and the risk of Parkinson's disease (PD). Though, heterogeneity consequences between studies impede a precise estimation of this association. We conducted a systematic review and meta-analysis of epidemiological investigations to estimate the effect of caffeine exposure on PD. Systematic search of Embase, PubMed, Science Direct and Google Scholar databases was done between 2015-2018 with the terms of Parkinson's disease AND Caffeine . We included Cohort, case-control and cross-sectional studies. Data extraction was done using a standardized data extraction tool in Microsoft Office Excel 2013. Heterogeneity was quantified using the I² statistic. Of 20 articles, 15 ones had the qualitative criteria for inclusion in our study. The summary RR for 8 cohort studies indicated the relation of caffeine consumption and PD was 0.65 (95% CI, 0.58– 0.72], with moderate heterogeneity (I²= 27.3%). For 4 case-control studies, the RR was 0.73 (95%CI: 0.65–80; I²=6.5%), and for 3 cross-sectional studies, the RR was 0.66 (95%CI: 0.59–0.80; I²= 45.6%). Conclusion: This study confirms an inverse relation between caffeineconsumption and the risk .of incidence with PD

کلمات کلیدی:

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