

## عنوان مقاله:

DIETARY TOTAL ANTIOXIDANT CAPACITY AND CARDIOVASCULAR DISEASE RISK FACTORS: A  
SYSTEMATIC REVIEW OF OBSERVATIONAL STUDIES

## محل انتشار:

سومین کنگره بین المللی و پانزدهمین کنگره تغذیه ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

**Background and Aim:** Measurement of Dietary Total Antioxidant Capacity (DTAC) is considered a new holistic dietary approach, by assessing total antioxidants present in the overall diet. Our aim was to perform a comprehensive review of the literature on the association between DTAC and Cardiovascular Disease (CVD) risk factors. **Methods:** PubMed, ISI Web of Science and Scopus were used to conduct a comprehensive search for articles published on this topic until September 2017. There was no limit on earliest year of publication. The search was based on the following keywords: dietary total antioxidant capacity, non-enzymatic antioxidant capacity, total radical-trapping antioxidant parameter, ferric reducing ability of plasma, oxygen radical absorbance capacity, trolox equivalent antioxidant capacity, high density lipoprotein cholesterol (HDL-C), low density lipoprotein cholesterol (LDL-C), triglyceride (TG), total cholesterol (TC), waist circumference (WC), insulin resistance, HOMA-IR, insulin, obesity, glucose, C-reactive protein (CRP), blood pressure (BP), and body mass index. In total, 16 papers were identified for inclusion in the present systematic review. **Results:** Most well-designed studies that evaluated associations between DTAC and CVD risk factors showed inverse associations for fasting blood glucose, CRP, BP or WC and positive associations for HDL-C. However, there was no association between DTAC and LDL-C or TC in any of the studies. Results regarding the association of DTAC with insulin, HOMA-IR, hs-CRP, and TG in the published literature were inconsistent. **Conclusion:** Findings indicated a substantial association between high DTAC and most CVD-related risk factors.

## کلمات کلیدی:

Dietary total antioxidant capacity, cardiovascular disease, cholesterol, blood pressure, insulin resistance, systematic review

## لینک ثابت مقاله در پایگاه سیویلیکا:

