

SUPPLEMENTARY MATERIAL

Primary dysmenorrhea in relation to oxidative stress and antioxidant status: a systematic review of case-control studies

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Table S1. Search term strategy

Search number	Search term	Pubmed – number of results	Scopus – number of results
#1	dysmenorrhea OR primary dysmenorrhea	6,926	12,608
#2	((((((((((((((((((((inflammation) OR (dna damage)) OR (oxidative stress)) OR (antioxidant capacity)) OR (lipid peroxidation)) OR (catalase)) OR (glutathione peroxidase)) OR (glutathione reductase)) OR (isoprostane)) OR (nitric oxide)) OR (8-hydroxyguanosine)) OR (superoxide dismutase)) OR (malondialdehyde)) OR (hs-crp)) OR (nitrotyrosine)) OR (deoxyguanosine)) OR (interleukin-6)) OR (4-hydroxynonenal)) OR (protein carbonyl content)) OR (advanced glycation end products)) OR (advanced oxidation protein products)) OR (TNF-alpha)) OR (antioxidants)) OR (antioxidant status))	1,704,802	1,739,506
#3	#1 AND #2	317	618

Table S2. Details of quality assessment of case-control studies according to The Newcastle-Ottawa Scale (NOS)[32]

Authors	Is the case definition adequate?	Representativeness of the cases	Selection of Controls	Definition of Controls	SELECTION (max. 4 points)	Comparability for the most important factor - age	Comparability for any additional factor	COMPARABILITY (max. 2 points)	Ascertainment of exposure	Same method of ascertainment for cases and controls	Non-response rate	EXPOSURE (max. 3 points)	TOTAL POINTS (max. 9 points)
Akdemir et al.*[34]	0	0	0	1	1	1	1	2	0	1	0	1	4
Aksoy et al. [35]	1	1	0	1	3	1	1	2	0	1	1	2	7
Dikensoy et al. [36]	1	0	0	1	2	1	1	2	1	1	0	2	6
Kaplan et al. [37]	1	0	0	1	2	1	0	1	0	1	0	1	4
Orimadegun et al. [38]	1	1	1	1	4	1	0	1	1	1	0	2	7
Turhan et al. [30]	1	0	0	1	2	1	1	2	1	1	0	2	6

*Quality assessment was done based on published version of article. The information about case definition was later obtained via mail directly from authors.