

Association Between Estrogen Levels and Temporomandibular Disorders: An Updated Systematic ReviewGrzegorz Zieliński ^{1*}, Beata Pająk-Zielińska ²,¹ Department of Sports Medicine, Medical University of Lublin, Poland;² Interdisciplinary Scientific Group of Sports Medicine, Department of Sports Medicine, Medical University of Lublin, Poland;

* Correspondence: Grzegorz Zieliński, grzegorz.zielinski@umlub.pl

The following table and assessment criteria were originally developed by Berger et al. [1]. We made modifications to question Q5 according to the guidelines [2].

Table S3. Protocol for assessing studies qualified for meta-analysis.

	Questions	Scoring	Changes
Q1	Sample size	0-9 – 0 pts 10-99 – 1 pt >100 – 2 pts	
Q2	Control group	none – 0 pts present – 2 pts	
Q3	Inclusion criteria	none – 0 pts present, not restricted to one form of TMD – 1 pt restricted to one form of TMD – 2 pts	
Q4	Exclusion criteria	none – 0 pts concomitant pain disorders OR other medications use – 1 pt concomitant pain disorders AND other medications use – 2 pts	
Q5	Use of standardized examination protocol	none – 0 pts other protocols – 1 pt RDC/TMD and DC/TMD – 2 pts	Addition of 'DC/TMD' protocol
Q6	Estrogen level assessment	none – 0 pts assessment based on the phase of the menstrual cycle – 1 pt measured in blood or saliva samples – 2 pts	
Q7	Conflict of interest	present – 0 pts no data – 1 pt none – 2 pts	
Scores 0-8 were rated as the poor value of evidence; Scores 9-11 were rated as the moderate value of evidence; Scores 12-14 were rated as the high value of evidence.			

References

1. Berger, M.; Szalewski, L.; Bakalczuk, M.; Bakalczuk, G.; Bakalczuk, S.; Szkutnik, J. Association between Estrogen Levels and Temporomandibular Disorders: A Systematic Literature Review. *Menopause Rev. Menopauzalny* **2015**, *14*, 260–270, doi:10.5114/pm.2015.56538.
2. Schiffman, E.; Ohrbach, R.; Truelove, E.; Look, J.; Anderson, G.; Goulet, J.-P.; List, T.; Svensson, P.; Gonzalez, Y.; Lobbezoo, F.; et al. Diagnostic Criteria for Temporomandibular Disorders (DC/TMD) for Clinical and Research Applications: Recommendations of the International RDC/TMD Consortium Network* and Orofacial Pain Special Interest Group†. *J. Oral Facial Pain Headache* **2014**, *28*, 6–27, doi:10.11607/jop.1151.