

## Role of Kynurenine pathway and its metabolites in Mood Disorders – A Systematic Review and Meta-analysis of Clinical Studies

### Supplementary Fmle: Study Quality Summary:

Study ID	First author, year	Study Execution Quality	Study quality assessment criteria and Explanation for study quality assessment
<b>Unipolar Depression</b>			
1.	Wood et al, 1978	3-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described 5B) Did not control for potential confounding factors such as age, BMI, physical illness, etc
2.	Sublette et al, 2011	2-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described
3.	Quak et al, 2014	0-Good	None
4.	Bradley et al, 2015	3-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described 5B) Did not control for potential confounding factor, BMI
5.	Dahl et al, 2015	0- Good	None
6.	Meier et al, 2015	0-Good	None
7.	Krause et al, 2017	2-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described
8.	Baranyi et al, 2017	0-Good	None
9.	Umehara et al, 2017	2-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described
<b>Bipolar Disorder</b>			
1.	Myint et al, 2007	3-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described 5B) Other confounding factors like Smoking, Alcohol, comorbidities not taken into account

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Study ID	First author, year	Study Execution Quality	Study quality assessment criteria and Explanation for study quality assessment
2.	Reininghaus et al, 2014	3-Fair	1A) Study population time frame not mentioned. 2C) Sampling strategy not described 5B) Other confounding factors like Smoking, Alcohol, comorbidities not taken into account
3.	Savitz et al, 2015a	2-Fair	1A) Study sample time frame not described 2C) Sampling strategy not described
4.	Poletti et al, 2016	0-Good	None
5.	Platzer et al, 2017	0-Good	None

### Scoring Rules:

Good execution quality	0-1 limitations.
Fair execution quality	2-4 limitations.
Limited execution quality	5 or more limitations.

### Sources:

Zaza S, Wright-De Agüero LK, Briss PA, Truman BI, Hopkins DP, Hennessy MH, et al. Data collection instrument and procedure for systematic reviews in the Guide to Community Preventive Services. Task Force on Community Preventive Services. American journal of preventive medicine. 2000 Jan;18 (1 Suppl):44-74.

Scoring rules come from [www.thecommunityguide.com](http://www.thecommunityguide.com) and Briss PA, Zaza S, Pappaioanou M, et al. Developing an evidence-based Guide to Community Preventive Services--methods. The Task Force on Community Preventive Services. *Am J Prev Med.* Jan 2000;18(1 Suppl):35-43.