

Efficacy and Tolerability of Second and Third Generation Anti-epileptic Drugs in Refractory Epilepsy: A Network Meta-Analysis

Running title: A network meta-analysis of trials about AEDs in refractory epilepsy

Chuanjun Zhuo^{1, 2, 3, 4}, Ronghuan Jiang⁵, Gongying Li³, Mingjing Shao⁶, Ce Chen¹, Guangdong Chen¹, Hongjun Tian², Jie Li², Rong Xue^{7*}, Deguo Jiang^{1*}

¹Department of Psychiatry, Wenzhou Seventh People's Hospital, Wenzhou, Zhejiang, 325005, China

²Department of Psychiatry, Tianjin Anding Hospital, Tianjin, 300222, China

³Institute of Mental Health, Jining Medical University, Jining, Shandong, 272067, China

⁴Department of Psychiatry, Tianjin Anning Hospital, Tianjin, 300222, China

⁵Department of Psychological Medicine, Chinese PLA (People's Liberation Army) General Hospital, Chinese PLA (People's Liberation Army) Medical School, Beijing, 100853, China

⁶Department of Cardiology, China-Japan Friendship Hospital, Beijing, 100029, China

⁷Department of Neurology, Tianjin Medical University General Hospital, Tianjin, 300052, China

Corresponding to: Rong Xue, Department of neurology, Tianjin Medical University General Hospital, No.154 Anshan Road, Peace Street, Tianjin, 300052, China

Email: yyc_dr@yeah.net

Tel/Fax: +86 022-60362255

Corresponding to: Deguo Jiang, Department of psychiatry, Wenzhou Seventh People's Hospital, No. 552 East Xishan Road, Ouhai District, Wenzhou, Zhejiang, 325005, China

Email: fengsqing@126.com

Tel/Fax: +86 0577-88209928/88432238

Chuanjun Zhuo and Ronghuan Jiang contributed equally to this work.

Supplementary information

Figure S1 Details of flow chart.

