Aims & Scope:

Epilepsy is a common neurological condition defined by recurrent, unprovoked seizures that affects 1–2% of the population worldwide. However, a little is known about both the cellular and network mechanisms of epilepsy. Therefore, in the present paper we aim to provide a comprehensive review of the literature on epilepsy in selected experts from different countries and universities. We focus particularly on ketogenic-diet, herbal medicine, sleep and estrogen on epilepsy. These will give helpful insight into treatment or adjunctive treatment for clinical epilepsy.

Key words:

Epilepsy; Ketogenic-diet; Herbal medicine; Sleep; Estrogen

Subtopics of interest include, but are NOT limited to:

1. 5-HT3 receptors as a potential therapeutic target for epilepsy. (Dr. Bingjin Li, Jilin University)
2. Functional analysis of a de novo GRIN2A missense mutation associated with early-onset epileptic encephalopathy. (HongJie Yuan, Emory University)
3. Sleep disorders and epilepsy (Dr. Yiqun Wang, Dr Zhili Huang, Fudan University, China)
4. The role of nicotinic receptor in epilepsy (Dr. Noriaki Hidaka, Ehime University, Japan)
5. Vaccines and epilepsy. (Dr. Yichun Wang, University of Pittsburgh)
6. The effects of herbal medicine on epilepsy. (Dr. Bingjin Li, Jilin University)
7. The effects of Ghrelin on epilepsy. (Dr. Ranji Cui, Jilin University)
8. Estrogen, Progesterone and epilepsy. (Dr. Changhong Liu, Northeast Normal University)
9. Substance P regulation in epilepsy. (Dr. Guanfan Chi, Jilin University)
10. The effects of ketogenic-diet on epilepsy. (Dr. Yifan Zhang, University of Alabama)

Schedule:

Manuscript submission deadline: 4/30/2016
Peer Review Due: 5/30/2016
Revision Due: 6/30/2016
Notification of acceptance by the Guest Editor: 7/30/2016
Final manuscripts due: 8/30/2016