Author's response to reviews

Title: Decreased in tobacco consumption after treatment with topiramate and aripiprazole

Authors:

Beatriz Arbaizar (barbaizar@hlrd.scsalud.es)
Ines Gomez-Acebo (inesgomezacebo@ono.com)
Javier Llorca (llorcaj@unican.es)

Version: 2 Date: 28 November 2007

Author's response to reviews:

Topiramate is an anticonvulsant, which mechanisms of action include inhibition of voltage-gated Na+ and Ca+ channels and activation of GABAa receptors, and specially AMPA / kainate blocking properties. Topiramate is currently been used for treating some drug addictive behaviors.

Aripiprazole, a selective D2 dopamine receptor partial agonist, has been recently investigated for treating the abuse of cocaine and alcohol.

A 34-year old patient dramatically decreases his tobacco consumption from 100 cigarettes/day to 50 cigarettes/day after receiving treatment with aripiprazole and topiramate.

We suggest that topiramate and aripiprazole may cause an extinction of the drug-seeking behavior. As tobacco consumption prevalence is very high in psychotic patients, aripiprazole would be considered as a first line anti-psychotic drug.