

International Journal of Risk and Safety in Medicine 2012 vol.24 N3, pages 179-185

Pharmacoepidemiology of antiepileptic drugs in children: Comparative analysis of efficacy and safety

Gamirova R., Shaimardanova R., Ziganshina L.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Pharmacoepidemiology analysis of efficacy and safety of antiepileptics was carried out in children (3 months-18 years old) registered with municipal children's epilepsy services: 548 children in 2005, 718 - In 2007 and 32 - In 2011. We used remission lasting for 1 year or longer, and 3 years or longer as primary effectiveness outcomes, and total number of people with adverse effects as a safety outcome. We found no advantages of newer antiepileptics over the older ones in terms of either efficacy or safety. Long-term follow up (more than 3 years) showed higher treatment response rate in patients with childhood versus juvenile absence epilepsy. © 2012 - IOS Press and the authors. All rights reserved.

<http://dx.doi.org/10.3233/JRS-2012-0565>

Keywords

efficacy, Pharmacoepidemiology of antiepileptics, safety