

EVALUATION OF THE USE OF CARBAMAZEPINE IN PATIENT WITH TRIGEMINAL NEURALGIA AT PKU MUHAMMADIYAH HOSPITAL YOGYAKARTA

Widiya ¹⁾, Bangunawati Rahajeng., S.Si., M.Si., Apt. ²⁾

¹⁾Fakultas Kedokteran dan Ilmu Kesehatan

Universitas Muhammadiyah Yogyakarta, Yogyakarta, Indonesia

Widiyawit257@gmail.com

ABSTRACT

Trigeminal neuralgia is recurring facial attack, one-sided, as the facial pain occurs in one or more nerves of three trigeminal branches. Therapy of trigeminal neuralgia there are 2 kinds of medical therapy and surgical therapy. Carbamazepine is an anticonvulsant drug that can be used for trigeminal neuralgia. This study was conducted to determine the use of carbamazepine in patients with trigeminal neuralgia at PKU Muhammadiyah Hospital Yogyakarta.

This research is a non experimental research descriptive study with cross-sectional method. The data were collected retrospectively from medical record of trigeminal neuralgia patients at PKU Muhammadiyah Hospital Yogyakarta. Sampling is done by purposive sampling. There were 12 patients who matched the inclusion criteria of trigeminal neuralgia using carbamazepine. The data were analyzed on the basis of appropriate, precise, appropriate dose, drug therapy, precisely the patient described in the standard guidelines of hospital medical service standard PKU Muhammadiyah Yogyakarta, Therapeutic Advances in Neurological Disorders, AAN (American Academy of Neurology) and EFNS (European Federation of Neurological Societies).

The results showed trigeminal neuralgia 7 patients in women (58%) and 5 patients in men (42%). Cases of trigeminal neuralgia occurred at age 17-25 years 3 patient (25%), age 35-45 years 1 patient (8%), age 46-55 years 1 patient (8%), age 56-65 years 3 patients (25%), old age. %) and at age > 65 years 4 patients (34%). This study shows that age > 65 years is most affected by trigeminal neuralgia. In the evaluation of carbamazepine use in patients with trigeminal neuralgia at PKU Muhammadiyah Hospital Yogyakarta was in accordance with the guidelines and Standard Medical Service (SPM) at the Hospital PKU Muhammadiyah Yogyakarta and found no side effects experienced by the patients with trigeminal neuralgia in RS PKU Muhammadiyah Yogyakarta in 2014.

Keywords: trigeminal neuralgia, carbamazepine, evaluation of therapy