

Evaluation of knowledge base of physicians on tramadol in Khorasan-Razavee

S. Abbaspour^{*}, M. Moshiri, L. Etemad,

Department of Pharmacology and Toxicology, School of Pharmacy, Mashhad University of Medical Science, Mashhad, Iran

Background and Aims: Tramadol is an analgesic that broad indications leading to its widespread use. Contrary to initial thought tramadol's AR, particularly convulsion, is one of the most cause of hospital admitting in toxicology ward, and also it's known as a street drug. Following its extensive use in Iran, tramadol adverse effect is increasing. Knowledge of these risks is important for practitioners to assist in their decision.

Results: About half of 143 physicians which have completed questionnaires were GP (44.9%). All physicians had known tramadol as analgesic, but only 3.8% had known serotonin inhibitory effect of it. 20.5% believed the tramadol have approved for abstinent therapy and 1.3% and 6.4% marked diarrhea and premature ejaculation indication, respectively. Only half of them believed it always makes physical dependency, The most of physicians didn't know SSRIs and TCAs interactions with tramadol (12.8 & 11.5%) and one forth didn't know any drug reactions. About one forth believed tramadol increase the seizure threshold. 51.3% and 37.2% of them believed tramadol dose adjustment is necessary in hepatic and renal failure respectively. The most recommended dose interval was 12 h (83.3%). During last month, in average, they have prescribed tramadol for 1.45 patient.

Keywords: Tramadol; Knowledge of physicians; Khorasan-Razavee