Thesis Title The Determination of Blood Alcohol Concentration in Motorcycle Accident Drivers

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ABSTRACT

The analysis of blood alcohol concentration is evident in the clinical and forensic science. The purpose of this Thesis is to measure the level of blood alcohol concentration in motorcycle accident rider by conway cell method. An experiment was an analysis of the finding in 300 cases carried out on the motorcycle accident rider in emergency room of Paolo Memorial Hospital, Bangkok, Thailand from 18 February, 1991 to 17 April, 1992. The result from this study show in 300 blood samples, taken from the accidental motorcycle riders to test for blood alcohol level, the blood is found in 68 % of cases and 32 % have no blood alcohol. From all accidental cases, the drunken motorcycle riders will get the accident two time more than the non-drunk riders. This evidence show that two in three accidental cases are caused by the drunk. The other one in three accidental cases may be caused by other situations. The most frequently blood alcohol level in accidental motorcycle riders is 150-200 mg.%. The most motorcycle riders are male. In 300 cases, 283 cased are male with blood alcohol 201 cases. The total of female are 17 cases with 3 cases have blood alcohol. The most motorcycle riders'age are in between 21-30 years old.