

Accepted Manuscript

Title: High buprenorphine-related mortality is persistent in Finland

Authors: Pirkko Kriikku, Margareeta Häkkinen, Ilkka Ojanperä



PII: S0379-0738(18)30507-3
DOI: <https://doi.org/10.1016/j.forsciint.2018.08.010>
Reference: FSI 9434

To appear in: *FSI*

Received date: 5-6-2018
Revised date: 6-8-2018
Accepted date: 7-8-2018

Please cite this article as: Pirkko Kriikku, Margareeta Häkkinen, Ilkka Ojanperä, High buprenorphine-related mortality is persistent in Finland, *Forensic Science International* <https://doi.org/10.1016/j.forsciint.2018.08.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

High buprenorphine-related mortality is persistent in Finland

Pirkko Kriikku^{a,b}, Margareeta Häkkinen^c, Ilkka Ojanperä^{a,b}

- a. Forensic Toxicology Unit, National Institute for Health and Welfare, P.O.Box 30, 00271 Helsinki, Finland
- b. Department of Forensic Medicine, University of Helsinki, Finland
- c. A-Clinic Foundation, Addiction Hospital, Finland

Corresponding author: pirkko.kriikku@thl.fi,

Highlights

- In 28.8% of the fatalities, buprenorphine had been administered parenterally.
- The proportion of parenteral use remained relatively constant over the study period.
- The majority of the parenteral users had taken mono-buprenorphine.
- Poly-substance use was evident in nearly all buprenorphine-positive fatalities.

Abstract

Sublingual buprenorphine is used in opioid maintenance treatment but buprenorphine is also widely abused and causes fatal poisonings. The aim of this study was to investigate buprenorphine-positive fatalities in order to gain novel information on the magnitude and nature of buprenorphine abuse.

All post-mortem toxicology cases positive for urinary buprenorphine, including fatal poisonings caused by buprenorphine and fatalities in which the cause of death was unrelated to buprenorphine, in the five year period of 2010–2014 in Finland were characterized according to urine buprenorphine and naloxone concentrations (n=775). Urine concentrations were used to assess which buprenorphine preparation had

Download English Version:

<https://daneshyari.com/en/article/10126794>

Download Persian Version:

<https://daneshyari.com/article/10126794>

[Daneshyari.com](https://daneshyari.com)