

**APPENDIX 4:**

**Scientific literature overview: Case reports/patient series on tramadol abuse/dependence/withdrawal**

<b>Description of contents</b>	<b>Country</b>	<b>Reference</b>
Three cases of tramadol/carisoprodol used illicitly to obtain psychotropic effects, history of drug abuse	USA	Reeves & Liberto, South Med J. 2001
Case of tramadol dependence, initially pain patient, high tramadol dose (1.5 g/day), seizure, no history of drug abuse	USA	Yates et al., Am J Psychiatry 2001
Mentions reports from pharmacists pointing to rises in tramadol abuse, reports not further quantified or described	USA	Sannerud et al., Society for Neuroscience Abstracts 2000
Case of methadone detoxification of tramadol abuse, high dose (1.5 g)	USA	Leo et al., J Subst Abuse Treat 2000
Withdrawal after long-term use of tramadol in a pain patient (50 – 100 mg/day, stopped abruptly)	USA	Freye & Levy, Eur J Pain 2000
Tramadol abuse in the Cincinnati area	USA	Krummen et al., J Toxicol Clin Toxicol. 1999
Tramadol overdose (5.5g) with abuse suggested by the author as the reason for intake	USA	Sachdeva & Jolly, Am J Emerg Med 1997
115 reports on tramadol abuse and withdrawal effects received by the FDA since launch	USA	Pink Sheet 1996
Case of withdrawal syndrome from cessation of chronic tramadol use	USA	Barsotti et al., Am J Emerg Med 2003
Test results of blood samples taken on behalf of the police for suspected motoring or criminal offences and cases, in which a legal autopsy had been requested by the public prosecutor's office for clarification of the cause of death, 1995 - 1999	Germany	Roider et al., Dtsch ApothZtg 2000
Tramadol withdrawal in a neonate	Germany	Meyer et al., Eur J Clin Pharmacol 1997
Withdrawal syndrome after 10 infusions of tramadol in a pain patient with a history of heroin and alcohol abuse	Germany	Arnei-Telegramm 1997
Dependence on tramadol in a nurse	Germany	Arzneimitteltherapie 1994
Withdrawal after tramadol PCA	UK	Thomas & Suresh, Anaesthesia 2000
5 reports on tramadol drug dependence, 28 reports on withdrawal between 1994 and 1996; 1 case/ 6000 patients	UK	Curr Probl Pharmacovigilance 1996

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Withdrawal syndrome after delayed tramadol intake in patient with no history of dependence	Italy	Ripamonti et al., Am J Psychiatry Dec. 2004
Withdrawal syndrome after long-term treatment with tramadol; no further symptoms observed after gradual discontinuation of tramadol	Spain	Rodriguez et al., Br J Gen Pract 2000
Tramadol dependence in a former heroin addict, doses between 100 and 1000 mg/day, for feeling of well-being and detachment from daily life	France	Aknine et al., Ann Med Interne 2000
Withdrawal symptoms after abrupt stop of tramadol in 4 pain patients	Denmark	Jensen, Ugeskr Laeg 1997
Seizures associated with tramadol abuse	Czech Republic	Bozic et al., Epilepsia 1999
2 cases of tramadol withdrawal. Street sales, black market theft, prescription forgery pertaining to tramadol have not been observed	New Zealand	Robinson et al.