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## Benzodiazepine References

by  
Jayne E. Thatcher

## **Benzodiazepines and Driving Presentation, Borkenstein Drug Course 2010. Jayne E. Thatcher**

### **Published Articles**

- Clarkson JE, Gordon AM, Logan BK. Lorazepam and driving impairment. *Journal of analytical toxicology* 2004 Sep;28(6):475-80.
- Drummer, OH. Benzodiazepines – Effects on Human Performance and Behavior. *Forensic Science Review* 2002; 14(1/2):1-14. (Special volume)
- de Gier JJ, t Hart BJ, Nelemans FA, Bergman H. Psychomotor performance and real driving performance of outpatients receiving diazepam. *Psychopharmacology* 1981;73(4):340-4.
- dos Santos FM, Goncalves JC, Caminha R, da Silveira GE, Neves CS, Gram KR, et al. Pharmacokinetic/pharmacodynamic modeling of psychomotor impairment induced by oral clonazepam in healthy volunteers. *Therapeutic drug monitoring* 2009 Oct;31(5):566-74.
- Dowd SM, Strong MJ, Janicak PG, Negruz A. The behavioral and cognitive effects of two benzodiazepines associated with drug-facilitated sexual assault. *Journal of forensic sciences* 2002 Sep;47(5):1101-7.
- El Mahjoub A, Staub C. Stability of benzodiazepines in whole blood samples stored at varying temperatures. *Journal of pharmaceutical and biomedical analysis* 2000 Nov;23(6):1057-63.
- Farrell LJ, Kerrigan S, Logan BK. Recommendations for toxicological investigation of drug impaired driving. *Journal of forensic sciences* 2007 Sep;52(5):1214-8.
- Hindmarch I, Gudgeon AC. The effects of clobazam and lorazepam on aspects of psychomotor performance and car handling ability. *British journal of clinical pharmacology* 1980 Aug;10(2):145-50.
- Kelly H, Huggett A, Dawling S. Liquid-chromatographic measurement of nitrazepam in plasma. *Clinical chemistry* 1982 Jul;28(7):1478-81.
- Leufkens TR, Vermeeren A, Smink BE, van Ruitenbeek P, Ramaekers JG. Cognitive, psychomotor and actual driving performance in healthy volunteers after immediate and extended release formulations of alprazolam 1 mg. *Psychopharmacology* 2007 May;191(4):951-9.
- Neutel CI. Risk of traffic accident injury after a prescription for a benzodiazepine. *Annals of epidemiology* 1995 May;5(3):239-44.
- O'Hanlon JF, Vermeeren A, Uiterwijk MM, van Veggel LM, Swijgman HF. Anxiolytics' effects on the actual driving performance of patients and healthy volunteers in a standardized test. An integration of three studies. *Neuropsychobiology* 1995;31(2):81-8.
- Rapoport MJ, Lanctot KL, Streiner DL, Bedard M, Vingilis E, Murray B, Schaffer A, Shulman KI, Herrmann N. Benzodiazepine use and driving: a meta-analysis. *J clin Psychiatry* 2009 May 70(5) 663-73.
- Robertson MD, Drummer OH. Stability of nitrobenzodiazepines in postmortem blood. *Journal of forensic sciences* 1998 Jan;43(1):5-8.
- Seppala K, Korttila K, Hakkinen S, Linnoila M. Residual effects and skills related to driving after a single oral administration of diazepam, medazepam or lorazepam. *British journal of clinical pharmacology* 1976 Oct;3(5):831-41.
- Van Laar MW, Volkerts ER, Van Willigenburg APP. Therapeutic effects and effects on actual driving performance of chronically administered buspirone and diazepam in anxious outpatients. *J Clin Psychopharmacol* 1991 12:86-95.
- Verster JC, Volkerts ER, Verbaten MN. Effects of alprazolam on driving ability, memory functioning and psychomotor performance: a randomized, placebo-controlled study. *Neuropsychopharmacology* 2002 Aug;27(2):260-9.

### **Other references**

National Highway Traffic Safety Administration's Drug and Human Performance Fact Sheet:  
Diazepam. (<http://www.nhtsa.dot.gov/PEOPLE/injury/research/job185drugs/diazepam.htm>)