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Depression and anxiety disorders CHAPTER 3 References

1. Schieveld JNM, et al. On benzodiazepines, paradoxical agitation, hyperactive delirium, and chloride homeostasis. *Crit Care Med* 2018; 46:1558-1559.
2. Dietch JT, et al. Aggressive dyscontrol in patients treated with benzodiazepines. *J Clin Psychiatry* 1988; 49:184-188.
3. Rothschild AJ, et al. Comparison of the frequency of behavioral disinhibition on alprazolam, clonazepam, or no benzodiazepine in hospitalized psychiatric patients. *J Clin Psychopharmacol* 2000; 20:7-11.
4. Bramness JG, et al. Flunitrazepam: psychomotor impairment, agitation and paradoxical reactions. *Forensic Sci Int* 2006; 159:83-91.
5. O'Sullivan GH, et al. Safety and side-effects of alprazolam: controlled study in agoraphobia with panic disorder. *Br J Psychiatry* 1994; 165:79-86.
6. Gardner DL, et al. Alprazolam-induced dyscontrol in borderline personality disorder. *Am J Psychiatry* 1985; 142:98-100.
7. Matsumoto T, et al. Prevalence and characteristics of disinhibition during bronchoscopy with midazolam. *Respir Investig* 2022; 60:345-354.
8. Albrecht B, et al. Motivational drive and alprazolam misuse: a recipe for aggression? *Psychiatry Res* 2016; 240:381-389.
9. Albrecht B, et al. Benzodiazepine use and aggressive behaviour: a systematic review. *Aust N Z J Psychiatry* 2014; 48:1096-1114.
10. Sabe M, et al. Zolpidem stimulant effect: induced mania case report and systematic review of cases. *Prog Neuropsychopharmacol Biol Psychiatry* 2019; 94:109643.
11. Poceta JS. Zolpidem ingestion, automatism, and sleep driving: a clinical and legal case series. *J Clin Sleep Med* 2011; 7:632-638.
12. Pressman MR. Sleep driving: sleepwalking variant or misuse of z-drugs? *Sleep Med Rev* 2011; 15:285-292.
13. Daley C, et al. 'I did what?' Zolpidem and the courts. *J Am Acad Psychiatry Law* 2011; 39:535-542.
14. Bond AJ. Drug-induced behavioural disinhibition incidence, mechanisms and therapeutic implications. *CNS Drugs* 1998; 9:41-57.

15. Hakimi Y, et al. Paradoxical adverse drug reactions: descriptive analysis of French reports. *Euro J Clin Pharmacol* 2020; 76:1169–1174.
16. Hawkrigde SM, et al. A risk-benefit assessment of pharmacotherapy for anxiety disorders in children and adolescents. *Drug Saf* 1998; 19:283–297.
17. Kandemir H, et al. Behavioral disinhibition, suicidal ideation, and self-mutilation related to clonazepam. *J Child Adolesc Psychopharmacol* 2008; 18:409.
18. Daderman AM, et al. Flunitrazepam (Rohypnol) abuse in combination with alcohol causes premeditated, grievous violence in male juvenile offenders. *J Am Acad Psychiatry Law* 1999; 27:83–99.
19. van der Bijl P, et al. Disinhibitory reactions to benzodiazepines: a review. *J Oral Maxillofac Surg* 1991; 49:519–523.
20. McKenzie WS, et al. Paradoxical reaction following administration of a benzodiazepine. *J Oral Maxillofac Surg* 2010; 68:3034–3036.
21. Wilson KE, et al. Complications associated with intravenous midazolam sedation in anxious dental patients. *Prim Dent Care* 2011; 18:161–166.
22. Short TG, et al. Paradoxical reactions to benzodiazepines: a genetically determined phenomenon? *Anaesth Intensive Care* 1987; 15:330–331.
23. Weisman AM, et al. Effects of clorazepate, diazepam, and oxazepam on a laboratory measurement of aggression in men. *Int Clin Psychopharmacol* 1998; 13:183–188.
24. Blair RJ, et al. Selective impairment in the recognition of anger induced by diazepam. *Psychopharmacology* 1999; 147:335–338.
25. Wallace PS, et al. Reduction of appeasement-related affect as a concomitant of diazepam-induced aggression: evidence for a link between aggression and the expression of self-conscious emotions. *Aggress Behav* 2009; 35:203–212.
26. Tae CH, et al. Paradoxical reaction to midazolam in patients undergoing endoscopy under sedation: incidence, risk factors and the effect of flumazenil. *Dig Liver Dis* 2014; 46:710–715.
27. Bond AJ, et al. Behavioural aggression in panic disorder after 8 weeks' treatment with alprazolam. *J Affect Disord* 1995; 35:117–123.
28. Penninga EI, et al. Adverse events associated with flumazenil treatment for the management of suspected benzodiazepine intoxication: a systematic review with meta-analyses of randomised trials. *Basic Clin Pharmacol Toxicol* 2016; 118:37–44.
29. Paton C. Benzodiazepines and disinhibition: a review. *Psychiatr Bull* 2002; 26:460–462.

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