

**CHOREOATHETOID MOVEMENTS AFTER EXCESSIVE COCAINE CONSUMPTION, EFFECT OF BIPERIDENE**

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Case report: After excessive consumption of self reported 7 grams cocaine within three days accompanied by no other drugs nor alcohol, a 24 y female experienced suddenly starting involuntary choreoathetoid movements while driving her car. Since she was unable to use the steering wheel, she called the paramedics who admitted her to our toxicological department. On arrival, she had stable vital signs, no tachycardia nor hypertension, she was oriented and co-operative. She had involuntary choreoathetoid - ballistic movements of her arms and legs, her speech was slurred. She was unable to hold or drink a glass of water. Drug screening of her urine only revealed cocaine-metabolites, no other drugs nor alcohol. Treatment with 5 mg biperidene i.v. resolved the movement-disorder. However, after 7 hours recurrent choreoathetosis necessitated 5 mg biperidene IV again, which had to be repeated after 5 hours a third time. 14 hours after admission the patient slept 19 hours and awakened completely recovered. Discussion: Choreoathetoid movements are a known, but rare effect of cocaine consumption. However, this is -to our knowledge- the first report about the treatment of cocaine induced choreoathetosis with biperidene.