

## Tetryzoline/alcohol interaction

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### CNS depression and vomiting: 2 case reports

Two females developed CNS depression and vomiting following ingestion of tetryzoline [*dosages and durations of treatment to reaction onset not stated*] in combination with alcohol.

A 16-year-old girl presented to an emergency department (ED) approximately 7 hours after reportedly having been sexually assaulted. Eyewitness accounts described a male subject placing tetryzoline liquid [Visine] covertly into her drinks during a party. She was reported to have been vomiting and 'heavily intoxicated'. She was able to recall details of the attack during intermittent, short periods of consciousness. In the ED, she was awake, alert, oriented, and could answer questions. Urine analysis revealed an ethanol concentration of 0.15g% and a tetryzoline concentration of 1.481 ng/mL.

A 19-year-old woman presented to an emergency department (ED) approximately 23 hours after reportedly having been sexually assaulted. Previously, she had been invited for cocktails at the residence of a male acquaintance. While drinking, she started to 'gray' out and feel 'weird'. She could recall details of the attack during intermittent short periods of consciousness. She reported vomiting, dizziness, and feelings of being 'out of it', the morning after the events. Urine analysis was negative for alcohol and revealed a tetryzoline concentration of 108 ng/mL.

**Author comment:** "*It is expected that ethanol differentially influences the sedative and hypotensive effects of [tetryzoline] and the synergistic behavioral interaction is dose-related.*"