

Abstract:

Copper sulphate pentahydrate (CSP) is a widely used substance in various industries, including agriculture and medicine, but excessive ingestion can lead to severe copper poisoning. This case report presents a case of intentional copper sulphate poisoning in a 26-year-old male who ingested approximately 30 grams of the compound. The patient experienced a range of complications, including gastrointestinal damage, intra vascular haemolysis, methemoglobinemia, acute kidney injury, rhabdomyolysis, and acute liver injury. The management of severe copper sulphate poisoning in this patient involved initiating early treatment with chelating agents, including penicillamine and IV methylene blue, to remove active copper from the body. In addition, supportive measures were provided to address various complications. The patient showed a positive clinical recovery and was discharged after 38 days of hospitalization.

This case report highlights the importance of early intervention and close monitoring of complications in cases of severe copper poisoning. Preventive measures, such as restricting the over-the-counter sale of copper sulphate, should be emphasized to avoid such ingestions and potential fatal outcomes.