

Dangers of Chemsex:

an autopsy case report



Material and Methods

Atypical hanging in forest

Autopsy, histology, toxicology



Findings

Macroscopic


Moderate asphyxia syndrome **without clear ligature marks**

Residual thymus: chronic drug addiction

Point of support lesions (elbow, chest)

Histologic

Hemorrhagic suffusion of the larynx (no bony callus)

Granular cylinders in renal tubules: myoglobinuria? 

Intense signs of hemodynamic shock

Autopsy

Hair

3-MMC + GHB: chronic consumption in the last months

Viscera

3-MMC:
kidney: 168 ng/mg
liver: 264 ng/mg
lung: 248 ng/mg
heart: 272 ng/mg
brain: 700 ng/mg

Toxicology

Peripheral blood

A. THC: last use more than 12 hours before death

B. 3-MMC: 960 ng/mL, potentially lethal

C. GHB: 24 mg/L

D. Ethanol: 0.73 g/L

Low concentrations, but potentiates the toxic effects of the associated molecules

Cerebral distribution 

Conclusion

We described the complexity of a case combining mechanical asphyxia by atypical hanging (autoerotic), and lethal intoxication by 3-MMC.