

## Journal Pre-proofs

### Case Report

Thallium toxicity due to adulterated infusion with thallium sulfate in eight members belonging to the same family nucleus: autopsy findings and icp-ms analysis (inductively coupled plasma mass spectrometry) in a triple homicide

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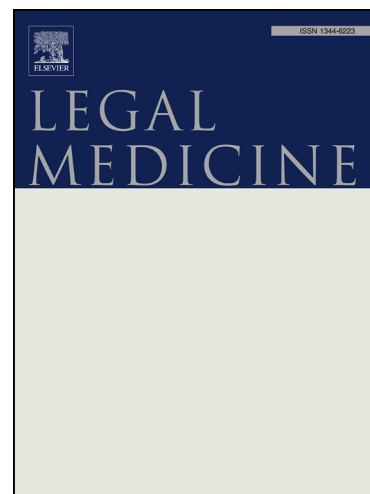
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**THALLIUM TOXICITY DUE TO ADULTERATED INFUSION WITH THALLIUM SULFATE IN EIGHT MEMBERS BELONGING TO THE SAME FAMILY NUCLEUS: AUTOPSY FINDINGS AND ICP-MS ANALYSIS (INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY) IN A TRIPLE HOMICIDE.**

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**ABSTRACT**

The banning of the heavy metal thallium (Tl) in many Countries, because of its toxicity, led to a remarkable reduction of the number of cases of poisoning both accidental and homicidal forcing us to better study the pharmacokinetics of this poison using new technologies. The Authors, in this work, are reporting the case of a collective thallium toxicosis caused by voluntary adulteration of an infusion with thallium sulfate, occurred in 8 members of the same familial nucleus; the administration of Prussian Blu resulted to be ineffective for 3 of these members that died at a later time.

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