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# Range of therapeutic metformin concentrations in clinical blood samples and comparison to a forensic case with death due to lactic acidosis

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## Highlights

- metformin serum concentrations in 95 diabetics on chronic use
- no correlation between plasma concentration and glomerular filtration rate
- a post mortem case with death due to lactic acidosis is described

## Abstract

Due to a lack of reference values for blood concentration of metformin in the literature, the forensic evaluation of metformin findings in blood samples is difficult. Interpretations with regard to the assessment of blood concentrations as well as an estimation of the ingested metformin amounts are often vague. Furthermore, post mortem evaluation of death due to

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