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Title: Determination of Glyphosate and its Metabolite in
Emergency Room in Korea

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Highlights

- A fast method to determine the concentration of glyphosate without derivatization is established by LC-MS/MS
- The concentration of glyphosate and its metabolite from blood samples of intoxicated patients in emergency room is measured
- The blood concentrations and clinical symptoms are not well correlated, possibly indicating effects of surfactants
- The system that determines the blood concentration in advance can predict complications, which assists treatment

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