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## Simultaneous spectrophotometric determination of Paracetamol and Caffeine in pharmaceutical preparations

Lobna Kormod, Yasmine F, Omnia I and Dania Y Misr International University, Egypt

A simple spectrophotometric method is proposed for determination of a binary mixture of paracetamol and caffeine in laboratory prepared mixtures and pharmaceutical dosage forms without prior separation. Preparations including paracetamol and caffeine were used as examples showing overlapping absorption spectra. The method, known as ratio subtraction method (RSM), is used to construct calibration curves for the two drugs where both showed reasonable linearity. The results were compared to results obtained by high performance liquid chromatography (HPLC). The methods proved to be rapid, simple and money saving compared to HPLC. So it can be used in routine analysis of these drug combinations.

## Biography

Lobna kormod has completed her PhD at the age of 36 years from Cairo University. She is an assistant lecturer and a postdoctoral researcher in pharmaceutical chemistry department, faculty of pharmacy, Misr International University.

lobna.kormod@miuegypt.edu.eg

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