

# INDIRECT DETERMINATION OF URIC ACID BY CHEMICAL METHOD USING DPP TECHNIQUE IN THE HUMAN URINE COMPARING WITH SPECTROPHOTOMETRIC METHODS

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**T**he study includes determination of uric acid in urine by electrochemical techniques and comparing the results with those obtained by the routine spectrophotometric technique. The methods of analysis can be summarized as follows: Indirect determination of uric acid by chemical method using differential pulse-width pairs (DPP) technique, it showed an obvious reduction current peak at potential (- 0.615 V) and the estimation of the products from using Folin-Denis reagent as indicator to measure uric acid in normal persons and patients with renal disease, renal failure and hypertension comparing with normal these disease cause obvious decrease in uric acid concentration in patients urine. The results obtained by DPP technique were compared with those estimated by spectrophotometric method routine used in clinical laboratories showed complete correspondence. But DPP technique gave better result comparing with spectrophotometric method in effort, time and cost.

## Biography

Eman A M Al jawadi has completed his PhD from Mosul University cooperated with Ruhr University, Germany. She is the Head of Biophysics department/college of science / Mosul University. She has published different papers in reputed journals and has been serving as an Editorial Board Member of repute.

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