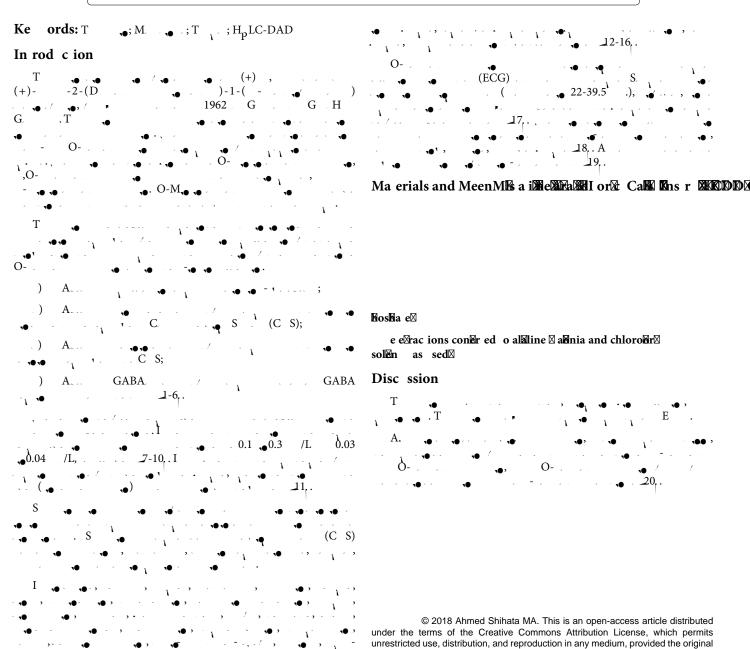
## Determination of Tramadol in Liver Tissues Using HPLC-DAD

## Ahmed Shihata MA\*

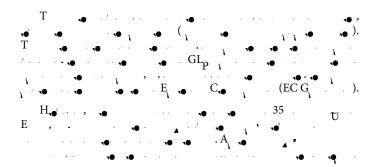
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## **Abstract**

Tramadol prescribed narcotic analgesic; tramadol overdose was reported old male 35 years. Free tramadol and its metabolite isolated by two methods of extraction, Stas Otto and ammonium sulfate extraction from liver tissues and comparison between effciency of the two methods. Liver extractions have tramadol and main metabolite O-desmethyltramadol was quantifed by HPLC-DAD. Tramadol was determined in liver concentration 27.98  $\mu$ g/g and 27.93 O-desmethyltramadol in Stas Otto. Liver concentration of tramadol 23.92  $\mu$ g/g and O-desmethyltramadol 9.62  $\mu$ g/g in ammonium sulfate extraction. Objective: To determination free tramadol and its metabolite in liver tissues by using two methods of extraction and comparison concentrations by HPLC-DAD of liver old male 35 years over dose in Upper Egypt.



author and source are credited.



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