

**ANALYTICAL STUDIES ON MAREVAN IN PURE  
SAMPLES, PHARMACEUTICAL PREPARATIONS AND  
BIOLOGICAL FLUIDS.**

*Presented*

*BY*

**HEBA ALI AHMED ALI MOUSSA**

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*Cairo University,*

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# دراسات تحليلية لتقدير عقار الماريفان في الصورة النقيه

## والمستحضرات الصيدليه والسوائل الحيويه.

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من الطالبة

هبة على احمد على موسى

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للاستيفاء الجزئي للحصول على درجة التخصص الماجستير في العلوم

في

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## **ABSTRACT**

**Name:** Heba Ali Ahmed Ali Moussa.

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This work has been carried out to determine warfarin anticoagulant drug in pure and pharmaceutical preparation using new spectrophotometric reagents. This is based on the reaction of this drug through the charge transfer complex formation reaction with DDQ, TCNQ and pCA reagents. The sensitivity of these procedures for the spectrophotometric determination of these drugs has been improved and the optimum practical conditions for the analysis of the drug are selected.

**Keywords:** Warfarin, DDQ, TCNQ, pCA, spectrophotometry, charge transfer complex formation reaction.

### **Supervisors:**

**1- Prof. Dr:** Barsoum Nashid Barsoum.

**2- Prof. Dr:** Gehad Genidy Mohammed.

**3- Dr:** Enas Abdel-Latif.

**Prof. Dr. RIFAAT HASSAN HELAL**

**Chairman of Chemistry Department**

**Faculty of Science- Cairo University**

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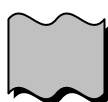


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**Abbreviation**

2,6-DAPY : 2,6-diaminopyridine

APH : amineptine

ATPH : amitriptyline

BCG : bromocresol green

BCP : bromocresol purple

BDMAENDI : N,N'-bis-[2-N,N-dimethylaminoethyl]-1,4,6,8-naphthalenediimide

BHENDI : N,N'-bis[2-hydroxyethyl]-1,4,6,8-naphthalenediimide

CE : capillary electrophoresis

CIP: ciprofloxacin

CPR : chlorophenol red

CQP : chloroquine phosphate

CSPs: chiral stationary phases.

CT : charge-transfer

DDQ : 2, 3-dichloro-5, 6-dicyanobenzoquinon.

DMF : N,N-dimethylformamide medium

DPP : disopyramide phosphate

$\beta$ - $\square$ CD :  $\beta$ -cyclodextrin

EKC: electrokinetic chromatography

FL : 2,7-dinitro-9-fluorenone

FLE : fleroxacin

GC: gas chromatography

HPLC: high performance liquid chromatography

