

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

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بالرسالة صفحات لم ترد بالإصل

EFFECT OF EXERCISE-INDUCED ISCHEMIA ON QT INTERVAL DISPERSION.

Thesis
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2000

بسم الله الرحمن الرحيم

"سبحانك لاعلم لنا الا ماعلمتنا"

صدق الله العظيم

Dedication

To Soul My Mother
To My Father
To My Wife
To My Son Ahmad

Dr. Mohamed El-Razaz

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LIST OF ABBREVIATIONS

	OT l'annien
QTD	QT dispersion
QT _c	Corrected QT
QT _c D	Corrected QT dispersion
QT _C D%	Corrected QT dispersion percent
IHD	Ischemic heart disease
IHD-B	Ischemic heart disease taking beta blockers
CAD	Coronary artery disease
TH	Techniques threshold
DTH	Differential threshold
PSI	Technique slope intercept
СРС	Chest pain center
SD	Standard deviation

INTRODUCTION AND AIM OF THE WORK

INTRODUCTION

There is considerable evidence to suggest that QT interval is closely related to ventricular action potential and is a good non invasive measure of the repolarization segment (Fronz et al., 1988; Zobel et al., 1995).

Several reports have indicated that regional difference in static QT interval measurement from a surface 12 lead electrocardiogram (QT dispersion) may provide an indirect measure of underlying in homogeneity of myocardial repolarization (Perkiomoki et al., 1995; Pye et al., 1994).

Furthermore an increase in dispersion of the QT interval has been reported to predict the occurrence of ventricular tachycardia in ischemic heart disease (IIID) and serves to identify patients at risk for life-threatening arrhythmia after a previous myocardial infraction (Perkiomoki et al., 1995).

Arrhythmia and sudden cardiac death in subject with IHD are dynamic events linked to physical activity (Cobb and Weaver, 1986).

It is thereby conceivable that exercise induced abnormalities in QT dispersion may facilitate the development of ventricular arrhythmia (Konnel, 1992).

AIM OF THE WORK

To examine the effect of exercise induced ischemia on QT dispersion in subjects with IHD and to study the effect of β -blockers on dynamic changes involving QT interval dispersion.

REVIEW OF LITERATURE