Anesthetic Management of Ischemic Heart Disease for non-Cardiac Surgery

Thesis submitted for partial fulfillment of the

Master degree in Anesthesia

By

Omaima Attia Abd El-Salam Mohamed

Supervisors

Dr. Mahmoud Sherief Mostafa Nagy

Professor of Anesthesia & Intensive Care, Ain Shams University

Dr. Omar Mohamed Taha El-Safty

Professor of Anesthesia & Intensive Care, Ain Shams University

Dr. Waleed Abd Al-Mageed Mohamed Al-Taher

Assistant Professor of Anesthesia & Intensive Care

Ain Shams University

Faculty of Medicine

Ain Shams University

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بسم الله الرحمن الرحيم

رب اشرح لي صدري

ويسر لي أمري

To My Family

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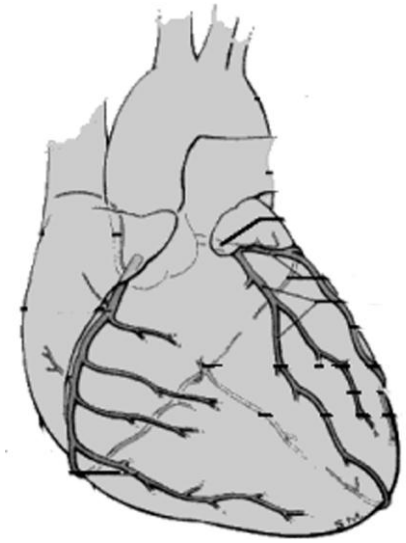
List of Abbreviation

Abbrev.	Meaning
ACC	American Colleague of Cardiology
AHA	American Heart Association
Ca^{++}	Calcium
CABG	Coronary artery bypass graft
CAD	Coronary artery disease
CHD	Coronary heart disease
CO_2	Carbon diaoxide
CRI	Cardiac risk index
DECREASE	Dutch Echocardiographic Cardiac Risk Evaluation Applying Stress Echocardiography
ECG	Electrocardiogram
HF	Heart failure
ICD	Implantable cardioverter defibrillator
JVD	Jugular vein distention
LV	Left ventricle

METs	Metabolic equivalents
MI	Myocardial infraction
MVO_2	Myocardial Oxygen consumption
NO	Nitric oxide
NSTEMI	Non-ST-elevation myocardial infarction
PAC	Pulmonary artery catheter
PACs	Premature atrial contractions
PCA	Patient controlled intravenous analgesia
PCEA	Patient controlled epidural analgesia
PCI	Percutanous coronary intervention
PCWP	Pulmonary capillary wedge pressure
PVCs	Premature ventricular contractions
RV	Right ventricle
STEMI	ST-elevation myocardial infarction
TEE	Trans esophageal echo
UA	Unstable angina
VAS	Valvular aortic stenosis

Introduction