

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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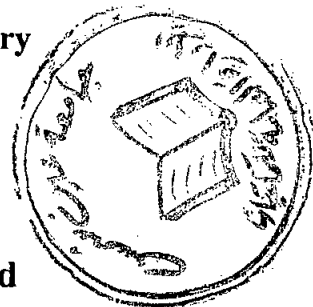
MINIMALLY INVASIVE TECHNIQUES IN CORONARY ARTERY BYPASS GRAFTING

**An essay Submitted for partial fulfillment of
the master degree in general surgery
(Sp. Cardio-Thoracic Surgery)**

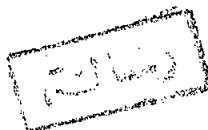
By

Salah El-Din Moustafa Ahmed

M.B.B.Ch



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Under the supervision of

Prof. Dr. Saeed Abdel-Baky

Prof. of general surgery

Ain Shams University

Prof. Dr. Tarek El-Sayegh

Prof. of cardiac surgery

Ain Shams University

Prof. Dr. M. M. El-Fiky

Ass. Prof. of cardiac surgery

Ain shams University

Ain Shams University

2002

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List of Abbreviations

ACT	Activated clotting time.
AV	Atrioventricular.
BTNF-a	Tumor necrosis factor-alpha.
CABG	Coronary artery bypass grafting.
CTS	Cardiothoracic system.
CPB	Cardiopulmonary bypass.
ECG	Electrocardiography.
ICU	Intensive care unit.
IEA	Inferior epigastric artery.
IMA	Internal mammary artery.
LA	Left atrium.
LAD	Left anterior descending artery.
LCA	Left coronary artery.
LCX	Left circumflex coronary artery.
LAST	Left anterior small thoracotomy.
LIMA	Left internal mammary artery.
LV	Left ventricle.
MFRR	Myocardial fraction flow reserve.
MIDCAB	Minimally invasive direct coronary artery bypass.
OLV	One lung ventilation.
OM	Obtuse marginal artery.
PDA	Posterior descending artery.
PTCA	Percutaneous transluminal coronary angioplasty.
RA	Right atrium.
RCA	Right coronary artery.
RGEA	Right gastroepiploic artery.
RIMA	Right internal mammary artery.
RV	Right ventricle.
SVG	Saphenous vein graft.
TCA	Thermal coronary angiography.
TEE	Transesophageal echocardiography.

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