Comparative Analysis of Single Photon Emission Computed Tomography (SPECT) and Planar Thallium-201 Scintigraphy in The Diagnosis of Coronary Artery Disease

Thesis

Submitted for partial fulfillment of
M.D. Degree in **Radiodiagnosis**

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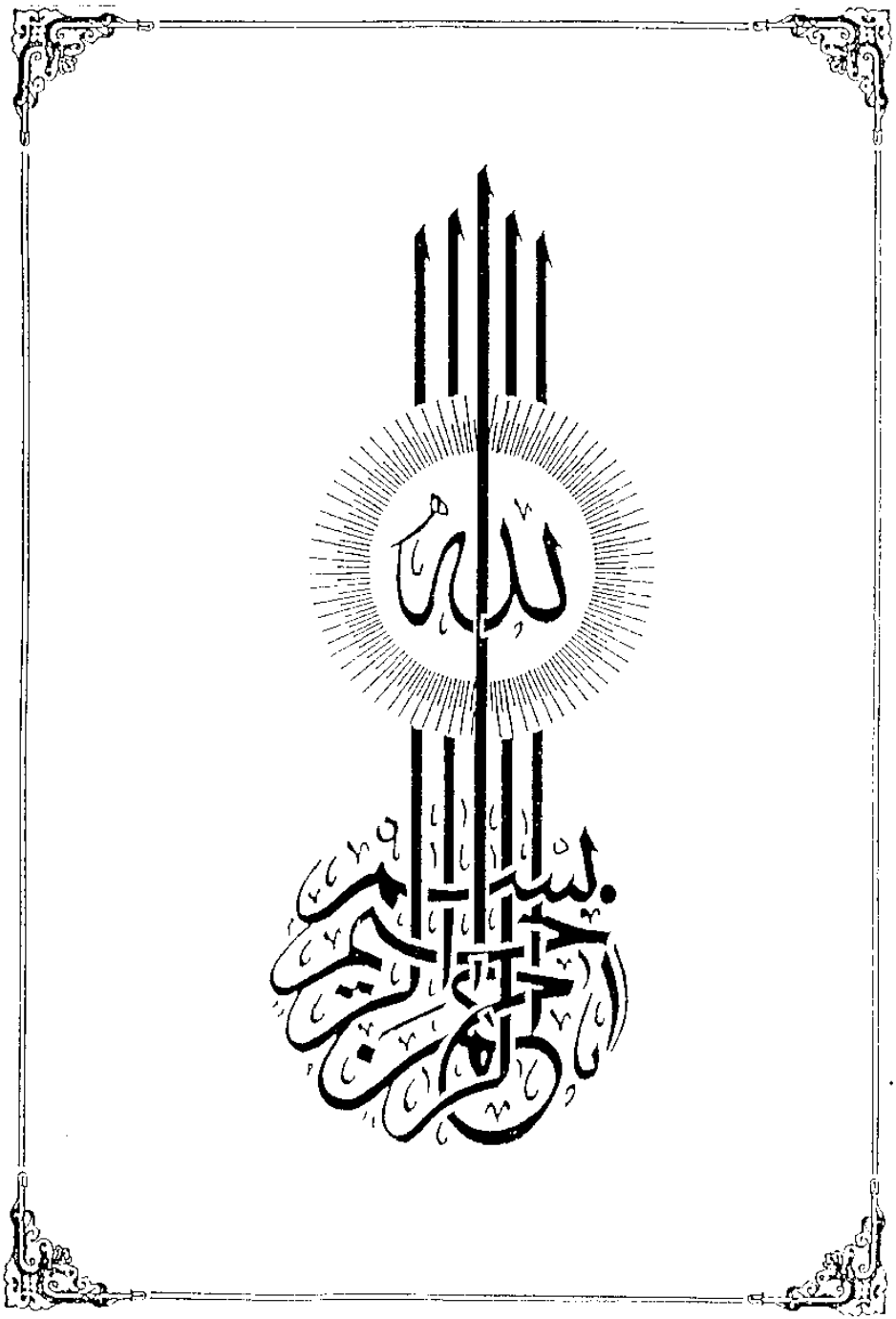

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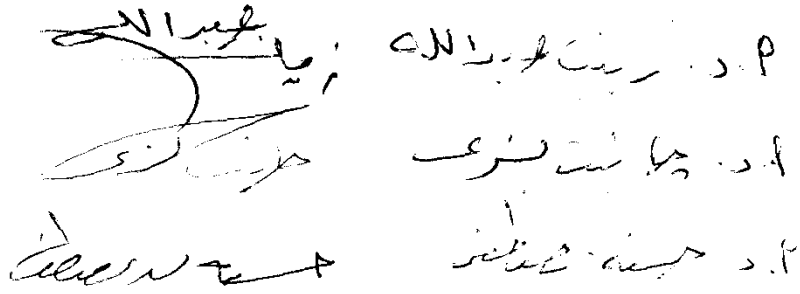

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LIST OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ABBREVIATIONS

α	alpha
β-	Beta
ATPase	adenosine triphosphatase
A-V	Atrioventricular
BATO	Boronic acid adducts of technetium dioxime complexes
CAD	Coronary artery disease
CAG	Coronary angiography
Co_2	Carbon dioxide
ECG	Electrocardiogram
F^{18}	isotope of fluorine
FDG	Flurodeoxy glucose
F.N.	False negative
F.P.	False positive
g	gram
H^+	Hydrogen ion
HLA	Horizontal long axis
hr.	hour
I.V.	Inravenous
K^+	Potassium ion
Kev	Kiloelectron volts
LAD	Left anterior descending
LAO	Left anterior oblique
LCX	Left circumflex
mCi	millicurie
mg	milligram
mg/kg	milligram per kilogram body weight
min	minute
ml	milliliter

N.	Number
N^{13}	isotope of nitrogen
Na	Sodium ion
NH_3	Ammonia
N.S.	Not significant
O^{15}	isotope of oxygen
O_2	Oxygen molecule
P	Probability
PET	Positron emission tomography
PTCA	Percutaneous transluminal coronary angioplasty
Rb	rubidium
Rb^{82}	isotope of rubidium
RCA	Right coronary artery
S	Second
S.D.	Standard deviation
S-A	Sinoatrial
SA	Short axis
SPECT	Single photon emission computed tomography
Tc99m sestaMIBI	Technetium 99m hexakis 2-methoxyisobutyl isonitrile
TL-201	Thallium-201
T.N.	True negative
TP	True positive
VLA	Vertical long axis