

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

**Thesis**

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By

**Randa Hossein Abdalla**

*M.B., B.Ch., M.Sc.*

Supervisors

**Prof. Dr. Zeinab Mohammad Abdallah**

*Professor and Head of Radiodiagnosis Department*

*Faculty of Medicine*

*Ain Shams University*

**Prof. Dr. Ahmed Talaat Khairy**

*Assist. Prof. of Radiodiagnosis*

*Faculty of Medicine*

*Ain Shams University*

**Faculty of Medicine  
Ain Shams University**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

۹. د. ریتا لوبالو ; میا عبدالاح  
۱۰. د. میا نیت نوب  
۱۱. د. حبیبہ مصطفیٰ



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## LIST OF ABBREVIATIONS

|                 |  |
|-----------------|--|
| $\alpha$        | alpha  |
| $\beta$ -       | Beta   |
| ATPase          | adenosine triphosphatase                             |
| A-V             | Atrioventricular                                     |
| BATO            | Boronic acid adducts of technetium dioxime complexes |
| CAD             | Coronary artery disease                              |
| CAG             | Coronary angiography                                 |
| Co <sub>2</sub> | Carbon dioxide                                       |
| ECG             | Electrocardiogram                                    |
| F <sup>18</sup> | isotope of fluorine                                  |
| FDG             | Fluorodeoxy glucose                                  |
| F.N.            | False negative                                       |
| F.P.            | False positive                                       |
| g               | gram   |
| H <sup>+</sup>  | Hydrogen ion   |
| HLA             | Horizontal long axis                                 |
| hr.             | hour   |
| I.V.            | Intravenous  |
| K <sup>+</sup>  | 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 <sup>13</sup>   | isotope of nitrogen                                 |
| Na                | Sodium ion  |
| NH <sub>3</sub>   | Ammonia   |
| N.S.              | Not significant                                     |
| O <sup>15</sup>   | isotope of oxygen                                   |
| O <sub>2</sub>    | Oxygen molecule                                     |
| P                 | Probability   |
| PET               | Positron emission tomography                        |
| PTCA              | Percutaneous transluminal coronary angioplasty      |
| Rb                | rubidium  |
| Rb <sup>82</sup>  | 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          |
| Tc <sup>99m</sup> | Technetium 99m hexakis 2-methoxyisobutyl isonitrile |
| sestaMIBI         |   |
| TL-201            | Thallium-201  |
| T.N.              | True negative                                       |
| TP                | True positive                                       |
| VLA               | Vertical long axis                                  |