Contributions of Muslim Scientists to Medicine and Related Sciences

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Contents

Preface v
Acknowledgment vi
Lists of Contributors vii
Introduction 1

Chapter 1  Al-Majusi Contribution in the Understanding of the Cardiovascular System and Blood Circulation 3
Chapter 2  Al-Majusi: The Pioneer in Obstetrics 7
Chapter 3  Al-Razi Works and Contributions in Neurological Sciences 12
Chapter 4  Ar-Razi on Gout 19
Chapter 5  Ali Bin Isa Al-Kahhal: Pioneer in Ophthalmology 25
Chapter 6  Al-Majusi’s Treatment of Physical Diseases Using Drug Therapy and Surgical Manipulation 30
Chapter 7  Al-Razi’s Understanding and Curing of Smallpox and Measles 35
Chapter 8  Al-Razi’s Contribution to the Study of Nexus between Human Mind and Body 39
Chapter 9  Abu Zayd Ahmed Ibn Sahl Al-Balkhi on Medical Psychology 45
Chapter 10  Contributions of Ashraf Ali Thanwi to Mental Disease Treatment 49
Chapter 11  Ibn Zuhr on Diseases and Treatments 54
Chapter 12  Ibn Al-Jazzar on Fever 59
Chapter 13  Ibn Al-Khatib and his Theory of Contagion 64
Chapter 14  Ibn Al-Nafis Contribution in Urology Progress Practices 67
Chapter 15  Ibn Al-Quff on Preventive Medicine 72
Chapter 16  Ibn Sina on Aromatherapy 76
Chapter 17  Studies in Gynaecology in Zad Al-Musafir Wa Qut Al-Hadir of Abu Jaafar Ibn Al-Jazzar 81
Chapter 18  Contributions of Ibn-Sina in Pharmaceutical Sciences 88
Chapter 19  The Contribution of Ibn Al-Baitar in Medicine 94
Chapter 20  The Contribution of Saghir Akhtar in Pharmaceutical Science 99
Chapter 21  The Glorious Contribution of Ibn Al-Quff on Cardiology and Embryology as Well as Other Surgical Matters 104
Chapter 22  Success Journey of Mehmet Oz in Cardiothoracic Surgery 109
Chapter 23  Abu Al-Qasim Al-Zahrawi's Contribution to Neurosurgery  115
Chapter 24  Al-Zahrawi Method on Inflammatory Swellings and Tumours Surgery  120
Chapter 25  Oculist's Contributions to Cataract Operation  126
Chapter 26  Al-Zahrawi Contribution to Medical Instruments  131
Chapter 27  Al-Zahrawi's Explanation on Bone Fractures and Its Surgical and Non-Surgical Treatments  137
Chapter 28  Inhalation and Oral Anesthetics: Views of Selected Muslim Physicians  144
CHAPTER SEVEN

AL-RAZI'S UNDERSTANDING AND CURING OF SMALLPOX AND MEASLES

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7.1 INTRODUCTION

The objective of this study is an attempt to introduce the role of the Muslim scholar, namely Al-Razi, in establishing treatment for smallpox and measles clinical observations. The methodology of this chapter uses the book written by Al-Razi about smallpox and measles in Arabic language as a reference. In 1970, the World health Organization (WHO) praised Al-Razi for the originality and accuracy in his writings in this subject (Amoozaneh & Ashtiyani, 2010). Smallpox and measles have been known through the decades as prominent killers destroying millions of lives as they pass through towns and villages, though vaccines for both diseases were developed.

From the discussion below, it is seen that Al-Razi was a pioneer in distinguishing the two diseases from each other and the initiative in using natural and homemade remedies to cure and prevent the disease. Al-Razi's treatise was translated into Latin, Persian, English and other European languages. The significance of this chapter is to acknowledge the studies of smallpox and measles and its treatment initiated by one of the famous Muslim scholars, Al-Razi.

7.2 MUHAMMAD IBN ZAKARIYA AL-RAZI

Abu Baker Muhammad Ibn Zakariya Al-Razi, also called Rhazes, was born in Rayy, Iran in 865 C.E. He showed talent at early age in music, alchemy and philosophy. He has numerous contributions in different disciplines such as his medicine encyclopaedia which he called Al-Hawi. However this chapter will be restricted to discussing his achievements in smallpox and measles treatment (Glick et al., 2005). Al-Razi was described as:

"Rhazes is rightly considered one of the greatest medical practitioners and writers in the period between Galen and the Renaissance re-emergence of medicine as an empirical discipline. He was a rationalist, extremely confident in the power of reason, free from every kind of prejudice, and daring in the expression of his thoughts. He was described as outstanding in generosity and always willing to treat and help the poor. He was an independent thinker and not afraid to rely on his own observations when they contradicted the past [...] Razi's fame rested on clear-cut clinical descriptions of illness,