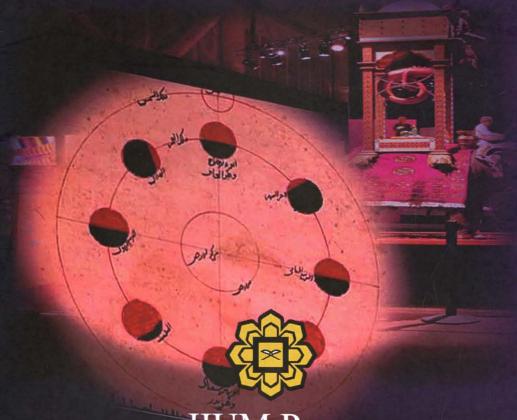
Contributions of Muslim Scientists to Medicine and Related Sciences

Abdi O. Shuriye Raihan Othman



IIUM Press
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

Contributions of Muslim Scientists to Medicine and Related Sciences

Editors Abdi O. Shuriye Raihan Othman



Published by: IIUM Press International Islamic University Malaysia

First Edition, 2011 ©IIUM Press, IIUM

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without any prior written permission of the publisher.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Abdi O. Shuriye: Contributions of Muslim Scientists to Medicine and Related Sciences

ISBN: 978-967-418-155-0

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM (Malaysian Scholarly Publishing Council)

Printed by:
IIUM PRINTING SDN.BHD.
No. 1, Jalan Industri Batu Caves 1/3
Taman Perindustrian Batu Caves
Batu Caves Centre Point
68100 Batu Caves
Selangor Darul Ehsan

Tel: +603-6188 1542 / 44 / 45 Fax: +603-6188 1543 EMAIL: iiumprinting@yahoo.com

Contents

<u>TITLE</u>		
Preface		ν
Acknowledgment		
Lists of Contributors		vii
Introduction	n	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	2:
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	3:
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	4:
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	6
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
Chanter 22	Success Journey of Mahmet Oz in Cardiothoragia Surgary	100

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 Explaination on Bone Fractures and Its Surgical and Non-Surgical Treatments	137
Chapter 28	Inhalation and Oral Anesthetics: Views of Selected Muslim Physicians	144