



Bashayer Hussain Alyami

Lecturer

Personal Data

Nationality | Saudi

Date of Birth | 24/07/1990

Department | Respiratory Care

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Language Proficiency

Language	Read	Write	Speak
Arabic	Yes	Yes	Yes
English	Yes	Yes	Yes

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
Academic year 2016/2017	Master of Science in Respiratory Care	Loma Linda University Loma Linda, CA	11139 Anderson St, Loma Linda, CA 92350, USA
Academic year 2011/2012	Bachelor of Science in Respiratory Care	University of Dammam Dammam, Saudi Arabia	2835 King Faisal Road, Dammam 34212
Academic year 2006/2007	Secondary School Degree	King Fahad University of Petroleum & Minerals school Dhahran, Saudi Arabia	University Blvd, King Fahd University of Petroleum and Minerals, Dhahran 34463



PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	
Master	(2016) Hyperbaric Oxygen Induced Vitamin D Receptor and ROS Responsive Genes
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	Imam Abdulrahman bin Faisal University Dammam, Saudi Arabia	September 2017 – Present
Teaching Assistant	University of Dammam Dammam, Saudi Arabia	September 2012 – September 2017
Respiratory Therapist Intern	King Faisal Specialist Hospital & Research Center Riyadh, Saudi Arabia	July 2011 – June 2012

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Re-Accreditation Committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	August 2024 - Present
Scientific Research Day Committee member	College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	May 2024 – October 2024
Simulation Committee Chair	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	May 2023 – August 2024
Examination Committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	October 2022 - November 2022
Curriculum committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	August 2021 - Present



Respiratory Care Clinical Training Director	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	August 2021 - Present
Clinical training initiative committee chair	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	August 2020- Present
Respiratory Care Clinical Training Coordinator	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	January 2020 – August 2021
Clinical training initiative committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	August 2019- August 2020

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Noor Al Khathlan, Fadak Al Adhab, Hawraa Al Jasim, Sarah Al Furaish, Wejdan Al Mutairi, Bashayer H. Al Yami	Simulation-based Clinical Education Versus Early Clinical Exposure for Developing Clinical Skills in Respiratory Care Students	Saudi Journal of Medicine & Medical Sciences (January 2022)
2	Noor Al Khathlan, Zainab Al-dabbus, Noor Al-khdir, Maryam Al-Matar, Sajedah Al-Nusaif, Bashayer Al Yami	Incense (bakhour) smoke exposure is associated with respiratory symptoms and impaired lung function among adults: A cross-sectional study in Eastern Province of Saudi Arabia	Indoor Air (March 2021)
3	Gongol BR, Rosete GT, Alyami BH, Singh RK, Galech S, et al.	Hyperbaric Oxygen Induced Vitamin D Receptor and ROS Responsive Genes	A Bioinformatic Analysis. JSM Biotechnol Bioeng (May 2016)

Refereed Scientific Research Papers Accepted for Publication



#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Fatemah Zaki Al Dawood Kawther Mousa Al Eid Meqat Ali Aljassim Zahraa Sabri Alshakhoori	Evaluating the Effectiveness of Health Literacy among Patients with Asthma and Its Impact on Disease Management	May 2024
2	Dalal Mujahed Al-Dhaifallah Retaj Mosa Al-Asiri Manar Sameer Al-Humaidan Maha Bader Al-Otaibi Supervisor: Ms. Bashayer Hussain Alyami	Comparing the confidence of mechanical ventilation decision-making in senior respiratory therapy students vs respiratory therapy interns	June 2023
3	Fatimah Ibrahim Aleid Hedaia Alsheryawi Sajedah Hassan Alabbas Fatimah Hassan Alghawi Ghadeer Jafar Alhaidan Shoog Fouad Alyousef Supervisor: Ms. Bashayer Hussain Alyami	The Awareness Level Among Patients with Asthma about the Importance of Exercise in Improving their Quality Of Life	June 2022
4	Lamia Musaad Alghamdi Ghufran Essa Albohammod Hanan Mohammed Alhazmi Shahad Abdulmunim Alanazi Kawther Ali Alarbash Supervisor: Ms, Bashayer Hussain Alyami	The Prevalence of COVID-19 in Individuals Reusing Protective Masks.	May 2021
5	Ola Adnan AL Hashem, Maram Ali ALSaihati, Zainab Amin Almajhed, Salam Ibrahim Almashama,	The Awareness of Health Care Providers about the need for Pulmonary Rehabilitation Programs	April 2020



	Hawra Nasr AlHaddad Supervisor: Ms, Bashayer H. Alyami		
6	Zainab Riyadh Aldabbus, Sajedah Fath Aallah Al- Nusaif, Noor Jafar Alkudair, Maryam Abbas Al-Matar Supervisor: Dr. Noor Ali Al-Khathlan, Ms. Bashayer H. Alyami	The Effect of Exposure to Incense Smoke on Lung Function Among Workers at Bakhour Shops in Eastern Province of Saudi Arabia	April 2019
7	Fadak Al-Adhab, Hawraa Al- Jasim, Sarah Al-Furaish, Wejdan Al-Mutairi Supervisors: Ms. Bashayer H. Al-Yami Dr. Noor Al-Khathlan	The impact of early versus late clinical exposure on Respiratory Care (RC) students' clinical learning skills at Imam Abdulrahman bin Faisal University (IAU)	May 2018

Current Researches

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	8th SSRC Scientific Symposium	IAU Conference Hall February 26 th -27 th 2020	Press Committee member
2	7 th SSRC Scientific Conference	IAU Conference Hall November 28 th -30 th 2017	Public Relations Committee member
3	5 th SSRC Scientific Conference	Intercontinental Hotel – Jeddah May 4 th – 8 th 2013	Press Committee member
4	7 th Hot topics in Pediatrics	KFHU Site 1 March 5 th – 7 th 2013	Workshop Speaker
5	Clinical Education in Respiratory Care, Challenges and Opportunities	IAU Dec. 19, 2013	Press Committee member
6	Respiratory Care Education "A Decade of Experience"	IAU May 22 nd 2013	Press Committee member



Membership of Scientific and Professional Societies and Organizations

- Saudi Society for Respiratory Care
- American Association for Respiratory Care
- Saudi Thoracic Society
- Saudi Cancer Foundation
- Saudi Diabetic and Endocrinology Association

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Ethics in RC	RESP 412	1 semester of lectures
2	Blood Gas	RESP 314	1 semester of labs
3	Medical Gas	RESP 216	1 semester of labs
4	Intro to Mechanical Ventilation	RESP 311	1 semester of labs
5	Patient Assessment	RESP 222	1 semester of lectures and labs
6	Intro to RC profession	RESP 215	1 semester of labs
7	Neonatal and Pediatric Respiratory Care	RESP 441	1 semester of lectures and labs
8	RC Therapeutics	RESP 224	1 semester of lectures and labs
9	Clinical Practice I	RESP 225	Clinical Instructor
10	Clinical Practice II	RESP 315	Clinical Instructor
11	Clinical Practice III	RESP 325	Clinical Instructor
12	Clinical Practice IV	RESP 415	Clinical Instructor
13	Clinical Practice V	RESP 425	Clinical Instructor
14	Research Project	RESP 426	Research Advisor

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Ethics in Respiratory Care - RESP 412: This course provides students with introductory knowledge about ethical and legal issues in health care. Implications of ethical and moral issues on respiratory care are emphasized in this course. Medical ethics from Islamic perspective and some important Islamic ruling on contemporary medical issues are also covered in this course.
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2	Blood Gases - RESP 314: This course introduces students to the concept of acid-base and blood gas interpretation. It also teaches fundamental principles of blood gases physiology, sampling techniques, sample analysis, and interpretation of results.
3	Medical Gas Therapy - RESP 216: This course provides core knowledge of different therapeutic modalities and procedures such as oxygen therapy, humidity, medical gases, and oxygen analyzers. The course also introduces students to the principle of infection control.
4	Intro to Mechanical Ventilation - RESP 311: This course is designed to provide students with introductory concepts of mechanical ventilation, such as classification, modes of mechanical ventilation, settings, indication and complications. Basic understanding of the most commonly used ventilators and their clinical application is also covered.
5	Patient Assessment in Respiratory Care - RESP 222: Introduction to examination skills and techniques used in diagnosis of pulmonary disease. The course involves study of patient respiratory history, physical examination of the chest, radiological and medical laboratory assessment and documentation of the data in the medical chart.
6	Introduction to Respiratory Care Profession - RESP 215: This course introduces students to the profession of respiratory care, history of the profession, job description, and structure of the profession. In addition, basic knowledge about respiratory equipment and basic life support (CPR) will be provided.
7	Neonatal and Pediatric Respiratory Care - RESP 411: This course is designed to cover major aspects of neonatal and pediatric respiratory care. The course involves the study of topics about fetal lung development, fetal circulation, cardiopulmonary transition at birth, neonatal and pediatric resuscitation, neonatal and pediatric assessment, respiratory care procedures, common respiratory diseases in neonates and pediatrics and their proper management.
8	Respiratory Care Therapeutics - RESP224: This course provides core knowledge of essential respiratory care procedures which are bronchial hygiene therapy, aerosol therapy, airway management, and manual/gas powered resuscitators.
9	Clinical Practice I - RESP 225: Clinical Practice Course I is designed for the students in which they will be exposed to the hospital environment and experience contact with other health care professionals and ancillary personnel. During this course, They will be participating with various respiratory care procedures involving from initial patient assessment up to the application of the required therapy. Students will be tasked to perform certain procedures inherent to your function as respiratory therapist. They will apply the theoretical concepts of respiratory care.
10	Clinical Practice II - RESP 315: The course is designed to facilitate clinical exposure to the various wards or units of the clinical affiliate. During the course, students will be tasked to observe, assist, and perform various respiratory care procedures. These procedures will be based on the performance objective set in the clinical practice course and comprises mainly of; airway management, bronchial hygiene therapy (PEP, FLUTTER VALVE), lung expansion therapy (IS), and arterial blood sampling and interpretation, and manual resuscitators.
11	Clinical Practice III - RESP 325: Clinical Practice III provides a challenging new phase to clinical practice as the students will be having the opportunity to experience critical care



	management. The advanced respiratory care procedures requires the student to develop further their critical thinking skills as well as prepare them mentally, psychologically and emotionally to provide respiratory care to critically ill patients in need of mechanical ventilation and other advanced cardiopulmonary life support within the scope of respiratory care. It also provides experience on the basic and advanced cardiopulmonary function testing.
12	Clinical Practice IV - RESP 415: Clinical Practice IV provides a whole new clinical experience for respiratory care students. They will be dealing with the same respiratory care procedures, these are applied to neonatal and pediatric patients who will surely give us the challenge. Remember that neonatal and pediatric patients are not small adults, they are unique in every way and even these two groups of patients have significant differences. These basic concepts, gives meaning to the whole new clinical experience that students are going to face in this course.
13	Clinical Practice V- RESP 425: Clinical Practice V concludes the clinical practice courses for the respiratory care students as they prepare themselves to the challenges of internship program. With this in mind, Clinical Practice V is designed to facilitate training in all aspects of respiratory care: basic and advanced therapeutics and diagnostics.
14	Research Project - RESP426: This course provides students with the opportunity to apply research skills and carry out a research project related to respiratory care under the supervision of a faculty member. Students will be required to conduct literature review and perform data collection, statistical analysis, writing up of the research paper.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	

Course Coordination

#	Course Title and Code	Coordination	Undergr ad.	Postg rad.	From	to
1	Ethics in RC	Course Coordinator	Yes		AY2017/18	Present
2	Patient Assessment	Course Coordinator	Yes		AY2017/18	Present



3	RC Therapeutics	Course Coordinator	Yes		AY2019/20	AY2020/21
4	Clinical Practice I	RC Department Clinical Training Coordinator	Yes		AY2019/20	AY2023/24
5	Clinical Practice II	RC Department Clinical Training Coordinator	Yes		AY2019/20	AY2023/24
6	Clinical Practice III	RC Department Clinical Training Coordinator	Yes		AY2019/20	AY2023/24
7	Clinical Practice IV	RC Department Clinical Training Coordinator	Yes		AY2019/20	AY2023/24
8	Clinical Practice V	RC Department Clinical Training Coordinator	Yes		AY2019/20	AY2023/24

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Clinical Blood Banking Rotation 412	Principles of Bioethics	Clinical Laboratory Sciences College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	AY24-25
2	Clinical Blood Banking Rotation 412	Principles of Bioethics	Clinical Laboratory Sciences College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	AY23-24
3	Ethics in RC RESP 412	Entire course	Respiratory Care Department - Jubail College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	AY2021-22
4	Patient Assessment RESP 222	Entire course	Respiratory Care Department - Jubail College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	AY2021-22



Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Undergraduate RC Students	12	August 2023	Present
2	Level 1 Master's students at Loma Linda University	2	September 2016	December 2016

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	August 2024	Present	Re-Accreditation Committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
2	May 2024	October 2024	Scientific Research Day Committee member	College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
3	May 2023	August 2024	Simulation Committee Chair	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
4	October 2022	November 2022	Examination Committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University



5	August 2021	Present	Curriculum committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
6	August 2021	Present	Respiratory Care Clinical Training Director	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
7	August 2020	Present	Clinical training initiative committee chair	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
8	August 2019	August 2020	Clinical training initiative committee member	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University
9	January 2020	August 2021	Respiratory Care Clinical Training Coordinator	Respiratory Care Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University

Committee Membership

#	From	To	Position	Organization
1	August 2024	Present	Member	RC Re-Accreditation Committee at IAU
2	May 2024	October 2024	Member	CAMS Scientific Research Day at IAU
3	May 2023	August 2024	Chair	RC Simulation Committee at IAU
4	October 2022	November 2022	Member	CAMS Examination Committee at IAU
5	August 2021	Present	Member	RC Curriculum Committee at IAU
6	AY2019/20	Present	Chair	RC Clinical Training Initiative at IAU
7	AY2019/20	AY2019/20	Member	RC Clinical Training Initiative at IAU
8	AY2017/18	Present	Member	Examination Assessment Committee at IAU

Scientific Consultations



#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	June 14 th 2016	July 1 st 2016	Allied Health Professions student volunteer	China SIMS Trip Loma Linda University Students for International Mission Trip
2	December 26 th 2015	January 3 rd 2016	Allied Health Professions student volunteer	Honduras SIMS Trip Central America Loma Linda University Students for International Mission Trip
3	June 16 th 2015	June 25 th 2015	Allied Health Professions student volunteer	Operation Service: Honduras Central America Intradisciplinary Mission Trip School of Allied Health Professions Loma Linda University
4	August 19 th 2014	August 26 th 2014	Allied Health Professions student volunteer	Operation Service: Honduras Central America Intradisciplinary Mission Trip School of Allied Health Professions Loma Linda University
5	2008	2013	Public awareness volunteer	Saudi Diabetic and Endocrinology Association
6	2008	2013	Public awareness volunteer	Saudi Cancer Foundation

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Computer Proficiencies: Microsoft Word, PowerPoint, Excel and SPSS
2	

Last Update

December 1, 2024