



FAZAIA MEDICAL COLLEGE

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Form July 2022 – December 2022**

Message from

Vice Chancellor



AIR MARSHAL JAVAID AHMED, (Retd)
Hilal-e-Imtiaz (Military)

It is indeed a privilege to lead Air University, a vibrant hub of academic distinction, with a strong notion of concept based learning and a culture of research and innovation. Cognizant of the dynamics of higher education, the highly qualified and dedicated faculty and staff of Air University help nurture a knowledge driven atmosphere.

In a transforming globalized environment, it will be my endeavour to foster creativity and expression to enable our graduates to contribute at the national and global level. My keen focus would remain on synergizing multidisciplinary research to accrue benefits of upcoming creative technologies. You will find the Air University campus brimming with life, offering modern facilities and opportunities to engage academically, socially and culturally. The expansion of Air University horizons to three new state of the art campuses, reflects the reputation and acclaim of the programs offered. On behalf of the Air University team, I welcome you to a challenging, inspiring and rewarding experience.

Message from Principal



Maj. Gen. Muhammad Tahir Khadim (Retd.)
Hilal-e-Imtiaz (Military)

Dear Students I welcome all of you to Fazaia Medical College, Air University Islamabad. We are thrilling to be partnering with you as you start your new journey as medical student. I am sure you will find unlimited opportunities in our learning environment. You will experience learning, exploring and engaging together. Vital to the experience, creativity and innovation at FMC it is our commitment to teach altruism, integrity, responsibility and respect. The well-equipped college campus and PAF teaching hospital are an ideal setting to inculcate in our students interconnected themes of taking a collaborative human-first approach, communicating with heart and mind, behaving with integrity and practicing competently. You have chosen a very noble profession. This is very precious time in your life, set high personal and academic standards for yourself and work hard to live up to them.

Once again I welcome and wish you all the success and best of luck in your educational journey at FMC.

WELCOME TO THE CAPITAL CITY – ISLAMABAD

Islamabad is the capital city of Pakistan and is federally administered. Islamabad is the ninth largest city of Pakistan which was built as a planned city in 1960. Islamabad is known for its high standard of living, safety and lush green terrain. Islamabad is divided into various zones including administrative, diplomatic enclave, residential areas, educational sectors, industrial sectors, commercial areas, and rural and green areas. The city has a number of parks and forests, including Margalla Hills, National Park and Shakarparian. Islamabad has several landmarks, with the most notable one being the Faisal Mosque, Pakistan National Monument and Democracy Square.

WELCOME TO FAZAIA MEDICAL COLLEGE

Fazaia Medical College was formally established on 16, March 2015 and inaugurated in December, 2015 with the start of first academic year of the college. The college is located in the premises of Air University in secure and scenic environment of PAF Complex E-9 and Margalla foothills. The college is built on atrium concept of architecture to ensure conducive and congenial environment for education. The college has highly qualified and well experienced faculty.

The college is equipped with state of the art laboratories, departmental museums, spacious and well equipped lecture halls & tutorial rooms, updated library, digital library, auditorium, campus-wide Wi-Fi facility and standby power source.

MISSION STATEMENT

Our mission is to serve the healthcare needs of the community in general and of PAF personnel in particular by producing healthcare practitioners of the highest international standards giving due consideration to our cultural and ethical norms with a penchant for research

AIM

The Aim of the college is to produce medical graduates of international standards by providing quality medical education and ensure provision of state of the art healthcare facilities to the social strata of Pakistan.

OBJECTIVES

- To contribute to the national and PAF pool of healthcare professionals by providing quality medical education to the aspiring students.
- To create an opportunity for medical students for their intellectual, spiritual, emotional, cultural & physical development, in order to get groomed as holistic medical professionals.
- To provide equal opportunities to expatriates to avail best possible medical education in the safe and conducive environment of the PAF.
- To enhance standards of medical care with comprehensive use of facilities available in the PAF teaching hospital, for the benefit of both, the PAF personnel as well as the civilian community.

ACADEMIC BLOCK — FMC

FMC academic block is situated in the Air University campus. It is a purpose built multi-story building with an atrium architectural design.

- All Offices, tutorial rooms, Labs, Museums and Lecture Halls have heating and cooling facility.
- Lecture Halls are provided with proper audiovisual facility including multimedia and internet access.
- FMC Academic Block has campus-wide Wi-Fi and internet facility.

ACTIVITIES
July 2022 – December 2022


Deputy Chief of Air Staff (Training) AHQ, Air Marshal Zulfikar Ahmed Qureshi HI (M), SI (M) paid an official visit to Air University on 27th September, 2021. He was introduced to the Directors of Air University and the working of various departments. He was also introduced to the facilities available in the Clinical Skills Lab (CSL), FMC. He visited the various sections of the CSL. Director DME explained the functionality of CSL to the senior visitor. DCAS (Training) was accompanied by Vice Chancellor Air University (AU), Air Marshal Javaid Ahmed, HI (M) (R). DCAS (T) deliberated on future advancements of CSL using Advanced Simulation Technologies for training and teaching of FMC students, enhancing their cognitive and technical skills. Vice Chancellor AU apprised DCAS (T) regarding the future plans of installing Hi-Fidelity mannikins / equipment in CSL. DCAS (Training) appreciated the current standing and future plans of CSL, FMC.



COORD CONFERENCE MEETING HELD BY PRINCIPAL FMC - ISLAMABAD

To coordinate various actions for Basement Floor and its procurement activities, a coord conference was conducted at FMC on 1st Oct 2021. The conference was chaired by Principal FMC & attended by HoD's of all departments of Basic Sciences, along with the members of Administrative Faculty. The objective was to optimally utilize the space made available in the basement of Fazaia Medical College, FMC.



VISIT TO CLINICAL SKILLS LAB FAZAIA MEDICAL COLLEGE (FMC)

The Clinical Skills Lab (CSL) plays an essential role in teaching, learning and various skills development related to Medical Education. Clinical Skill Lab at FMC provides a diverse spectrum of procedures and a wide variety of equipment, mannikins, models and task trainers that supports the students to enhance their Clinical Skills through hands on practice and training.

Air Cdre Zahid Jaffri SI(M), TI(M) Advisor to DCAS (Support), visited FMC Clinical Skills Lab on 31st August, 2021 to review and inspect the upgradation of equipment training programs and capabilities. He commended the variety of equipment, mannikins and other resources available for imparting clinical skills to FMC students. He also appreciated the program scheduled for CSL activities, standard, quality of equipment and the spectrum of methodologies adopted for teaching a variety of procedures that were accessible to FMC students and PAF Hospital Clinical Post Graduates.



Wing Cdr Asima Ruby Zafar, Clinical Director, Fazaia Medical College (FMC) also visited the Clinical Skills Lab for follow - up of the training facilities on 9th September, 2021. She reviewed the documentation and activity schedule of CSL. She appreciated the documentation of activities & that regular feedback of students was being taken into account & given due consideration for formulation of programs for various procedures for different classes.



CLOSING CEREMONY OF NATIONAL SCIENCE & TECHNOLOGY PARK (NSTP) BOOT CAMP



**DON'T
WISH
FOR
IT
WORK
FOR
IT.**



National Science and Technology Park (NSTP) is the 1st fully Integrated Science & Technology Park of Pakistan. In collaboration with "Stimulus and Friedrich Naumann Foundation for Freedom", a two day boot camp was hosted by NSTP on September 2nd & 3rd, 2021. Group Captain Dr Muneeza Rizwan, Associate Professor of Dermatology, PAF Hospital Islamabad and Faculty Member of Fazaia Medical College was the Chief Guest for the closing ceremony of the boot camp.

Speaking at the closing ceremony, she highlighted and stressed the importance of empowering women entrepreneurs. She also cited that "Women Instem" will play an integral part in the progress of the country. It is a matter of great honor that NSTP invited a FMC faculty member as Chief Guest. This highlights the significance and recognition of FMC faculty and their capabilities at National and Institutional level.

WEEKLY ACADEMIC ACTIVITIES OF SURGICAL SOCIETY OF FAZIA MEDICAL COLLEGE (FMC)

A meeting was conducted in the Clinical Skills Lab on 1st October, 2021 that was attended by 60 students belonging to classes from First to Final Year MBBS class. Facilitators included Sqn Ldr Junaid Butt and Dr Sameer Shahid they demonstrated various Operation Theatre techniques and steps required for proper scrubbing to the students. The Knot tying techniques were also demonstrated by the facilitators and the students practiced these techniques on the task pads provided by the FMC, CSL.



ACTIVITY IN MEDICAL EDUCATION DEPARTMENT FMC WORKSHOP ON MCQ'S DEVELOPMENT BY DEPARTMENT OF MEDICAL EDUCATION FMC

Department of Medical Education (FMC), regularly holds workshops as integral part of DME activities related to Faculty Development. A MCQ Development and Item Analysis workshop was organized by DME, FMC & conducted by Prof Dr Manzar Zakria Professor of Medicine on 16th September, 2021.

Principal FMC, Maj Gen Tahir Khadim HI (M) (R), graced the occasion. FMC HoDs, faculty members and demonstrators from both Basic and Clinical Science Departments attended the workshop. The feedback given by the participants reflected that the workshop was very beneficial for them. It helped the faculty members to construct the MCQs that were scenario / case based and reaching the cognitive C2 level of inquiry. The efforts of DME were greatly acknowledged by all participants and they also urged DME to arrange similar workshops in the following months.



RESEARCH & PUBLICATIONS: FAZIAIA MEDICAL COLLEGE, FACULTY AND STUDENTS

Research plays a significant part in expanding the existing body of knowledge by identifying different problems and providing suitable solutions for them.

Prof Dr. Rukhsana Khan, HoD Community Medicine FMC is known for her contributions towards research publications. Her recent research paper "Predictors of Prenatal Depression: A Cross-Sectional Study in Rural Pakistan" was published in "Frontiers in Psychology". This article determined the prevalence and association of prenatal depression with socioeconomic, demographic and personal factors among pregnant women.

A research paper "Mental Health & Its Association with Perceived Social Support During Covid-19 Pandemic Among Pakistani Doctors: A Comparative Study" was published in Pakistan Journal of Public Health, vol 11(1): March 2021 by Dr Arshia Bilal, Associate Professor in Community Medicine Department, FMC. Health care workers have been under immense physical as well as mental pressure owing to the current situation of the Covid-19 pandemic. This article assessed the frequency of depression, anxiety and stress faced by them during this time period. Stress as anxiety, fear, aggression & sleep disturbances, which could lead to depression, stress & even suicidal thoughts. She also published a research article, 'A Viral Crisis: Knowledge, Attitude and Practices of Undergraduate Medical Students of the Twin Cities of Pakistan Towards Covid-19' in Journal of Ayub Medical College 2021, vol 33(1).

Another research paper by Dr. Bushra Anwar, Associate Professor in Pathology Department FMC, "Association of ABO and Rh Blood Groups with Covid - 19 PCR Positive Status: A Case Control Study," was published in Pak Armed Forces Medical Journal 2021; 71 (3): 801-04. It is a valuable paper that provides an insight into the association of blood groups with COVID-19 PCR positive status.

FAZAIA MEDICAL COLLEGE

BREAST CANCER AWARENESS DAY

Breast Cancer Awareness Day was organized by Community Medicine Department of FMC on the 28th of October 2021 in collaboration with Pink Ribbon Pakistan. The purpose was to create awareness amongst masses. The department conducted a well-organized webinar. In addition to the webinar, the whole month of October was solely dedicated to create awareness about the disease by arranging different activities for the students and faculty members.

Chief Guest for the program was Maj Gen Prof Dr Tahir Khadim HI(M) (R), Principal-FMC. The Session started with a welcome note by Prof Ruksana Khan HoD Community Medicine. She highlighted the significance of such awareness campaigns that provide information and confidence to the general population. She concluded with advice to students and health professionals to join hands, create awareness & fight for this noble cause together.

Dr. Ayesha Isani Majeed, HoD Radiology at Pakistan Institute of Medical Sciences (PIMS) & spokesperson for Breast Cancer for the Ministry of National Health Services, Regulations & Coordination joined the panel online. Prof Dr Ghazala Mahmud, a renowned Gynecologist & Ex Prof & HoD Gynecology FMC, Dr Shaista Nayyar, Assoc Prof of Radiology-PAF hospital Islamabad and Dr Nida Farrukh, a General Surgeon and Breast specialist working at Fauji Foundation Hospital also graced the webinar.

Lastly, the session concluded with remarks by the Principal of Fazaia Medical College, Maj Gen Prof Dr Tahir Khadim HI (M) (R), who appreciated the efforts of Community Medicine Department for organizing such thought-provoking awareness campaigns. He motivated the students to work actively in spreading the message of early screening amongst masses for early diagnosis of the disease. In the end a motivational walk and activities were arranged for the faculty and students.



ANNUAL RESEARCH CONFERENCE FAZAIA MEDICAL COLLEGE - 2021

Annual Research Conference on Promoting Health Through Evidence

Students & Faculty with Guests

21st October, 2021 at Fazaia Medical College, Air University – Islamabad

Annual Research Conference 2021 on "Promoting Health Through Evidence" organized by the Dept of Community Medicine, Fazaia Medical College was held at Air University on 21st October 2021. Vice Chancellor of Air University, Air Marshal Javaid Ahmad HI(M) (R), graced the occasion as Chief Guest.

The Conference started with a well-structured inaugural session. Chairperson of the conference, Prof Dr Ruksana Khan elaborated the conference aim. This was to promote and encourage evidence based practices among young health professionals and researchers. She highlighted the importance of research and the role of this conference, that provides an excellent platform for fresh researchers and critical thinkers to polish their research skills & contribute towards a better healthcare system.

The International keynote Speaker Prof Dr David Franz, a well-known Professor of Diagnostic Medicine and Pathobiology, joined the conference from USA online. Current focus of his interest relates to the role of International engagement in public health and the life sciences as a component of global biosecurity policy. He enlightened the young researchers about "Laboratory Leadership: Responsibility, Trust and Freedom".

Maj. Gen. Prof. Dr. Aamer Ikram, Executive Director, National Institute of Health (NIH) Islamabad, while joining the session as National Keynote Speaker discussed in detail the challenges, opportunities and Research in the era of Covid - 19 in Pakistan. He informed that Covid - 19 situation is currently under control, due to the efforts of all stakeholders & this success was attributed to convert challenges into opportunities and working under a single umbrella.

The Chief Guest of the conference Air Marshal Javaid Ahmad HI(M), (R) Vice Chancellor Air University, while highlighting the importance of healthcare research for the betterment of society emphasized that researchers need to play their due role to disseminate significant information related to various disease trends, and risk factors, outcomes of treatment, interventions and patterns of care.

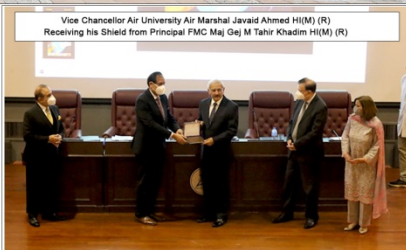
The scientific sessions started simultaneously at three different venues at Air University Islamabad Campus.

- (I) Auditorium Air University
- (II) LTC Hall
- (III) Board Room, Air University

with seven different thematic areas.

i.e:

- (i) Triple burden of disease
- (ii) Maternal and Child Health
- (iii) Global Pandemic
- (iv) Quality and Patient Safety
- (v) Technology & Innovation in Health
- (vi) Advances in Medical Education
- (vii) Mental Health and Wellness



Prof Dr Ruksana Khan HoD Community Medicine with Principal FMC



Brig Prof Dr M Mazhar Hussain HI(M) (R) Vice Principal with Principal FMC



FMC Students of Basic and Clinical Faculty - Annual Research Conference - 2021



ANNUAL RESEARCH CONFERENCE - 2021

During the conference, students of Fazaia Medical College presented their abstracts, whereas large number of students from different medical colleges, across the country joined online. Cash prizes, shields and certificates were presented to the speakers who won the competition.

Principal, Vice Principal & HoD Pathology & Dir DME FMC with Maj Gen Amir Ikram HI(M) Executive Director NIH - Islamabad



Principal, Vice Principal With HoD & Faculty of Community Medicine Annual Research Conference - 2021



Assistant Prof Dr Jawayria Omar Receiving Shield with group members of Publication Committee



POSITION HOLDERS - ANNUAL RESEARCH CONFERENCE - 2021

1st, 2nd & 3rd positions were secured by 4th Year MBBS FMC students:

Mujaddad Ashraf with group members, Hamza Waqar, Afifa Jamil with group members & Talha Khawar with group members FMC.



1st Position

Mujaddad Ashraf with Group Members



1st Position

Hamza Waqar



2nd Position

Afifa Jamil with Group Members



3rd Position

Talha Khawar with Group Members

The conference was concluded with closing remarks of the Principal Fazaia Medical College and the Patron of the Conference, Maj Gen Muhammad Tahir Khadim, HI(M) (R). He congratulated everyone for a successful event and applauded the Chairperson & the Faculty of Community Medicine, Fazaia Medical College for all their sincere efforts and hard work.

INTERDISCIPLINARY RESEARCH – HEALTH SCIENCES AND ENGINEERING SCIENCES:

Project: Development of an Assistive Device for Independence and Mobility of Paraplegic Patients - from Conception to Actualization (Funded by Higher Education Commission HEC)

A SUCCESS STORY

Fazaia Medical College is uniquely nested among the disciplines of Engineering, Avionics, Computer, Social and Management Sciences, at Air University, E-9 campus, Islamabad. Interdisciplinary research has been the vision of Vice Chancellor Air University alongwith the Principal of Fazaia Medical Colleges (FMC). For the interdisciplinary research the organizational support has been provided by Air University, Islamabad and Fazaia Medical College, Islamabad Campus. This support and motivation has been the bed rock upon which various interdisciplinary research ideas are generated & take shape. The FMC faculty from the very beginning had remained geared for integrated research with other disciplines housed at Air University (AU). The aim was to carry out Applied Research & develop products/ appliances/ devices that had public utility. However there are many projects of FMC having Interdisciplinary Research that are in the different phases of development and completion. FMC is currently collaborating with departments of Computer Science and Creative Technologies of Air University Islamabad Campus.

Chattering Free Motion Control of an Assistive Robotic Device for Paraplegics

Almad Abdullah
Department of Mechatronics
Engineering
Air University Islamabad, Pakistan
almad.abdullah@airu.edu.pk

Zareena Kanwar
Department of Mechatronics
Engineering
Air University Islamabad, Pakistan
zareena.kanwar@airu.edu.pk

Rizwan Hashim
Department of Pathology
Fazaia Medical College
Air University
Islamabad, Pakistan
rizwan.hashim@airu.edu.pk

Abstract: One of the major concerns for paraplegic patients is their ability to sit and stand independently. Various studies are available in literature which discuss the design, modeling and control of specially designed assistive devices for this purpose. In this paper, chattering free sliding mode control for an Assistive Robotic Device for Paraplegic patients is proposed. Mathematical modeling of the device reveals the nonlinear nature of the system. A sliding mode controller is thus designed to control the system. The controller is designed based on a chattering free sliding surface. The simulation results show that the "chattering effect" is minimized by introducing a time-varying boundary layer. Furthermore, the response is also shown to be insensitive to the load variation. The results show that the chattering free response is robust against the control of the patient while using the device.

1. Introduction
Assistive and physiotherapy devices are not a new concept in the current perspective of technological advancement. The reliability and usability of these devices, however, determines their effectiveness in terms of function and applicability. The field of this robotics has gained popularity among masses due to the advent of assistive robotic and robotic therapy devices. But robotics can be divided into various branches, but there are three major categories. First is prosthetics [1-3], which is the complete replacement of natural organs with the robotic organs. The second is orthosis [4, 5], which includes supportive structures that help in the rehabilitation of weak organs as act as a support. The third category is the assistive devices, which are robotic devices aimed to assist patients in performing their daily life tasks. The latter include wheelchairs, assistive mechanisms, robotic response devices and robotic therapy devices. Various other robotic assistive devices are available in literature [6-9].

Paraplegia refers to the loss of sensory and motor function in the lower half of the body. The primary cause of paraplegia is spinal cord injury but in some cases, it may be caused by neurological disorders [10, 11]. The level of loss of sensory and motor function depends on the level of injury on the spinal cord. The paraplegia is permanent in nature, which means it may be impossible by exercise and stimulation of the nerves. One such device is named as Assistive Robotic Device for paraplegics (ARDP). The device is aimed at providing a platform to paraplegic persons on which they can perform their Active Daily Life (ADL) tasks without the help of an assistant. The device features a six to stand (STS) mechanism which enables the patients to stand up / sit down independently. The mechanism may also serve as an exercise platform for rehabilitation of such patients.

The key feature of such assistive devices is their reliability. To achieve reliability, one of the major concern in the control system. The control system for such devices needs to be responsive and reliable in order to avoid any accidents and unwanted behavior. In earlier studies, Functional Electrical Stimulation (FES) was employed by many researchers for rehabilitation of paraplegic patients. The FES required a control strategy to be implemented in order to provide only the desired amount of stimulus as the human muscle experiences fatigue. A problem with the FES system is its limitation in terms of application as well as comfort of the patient [12-16]. The study presented in [17] provides a perspective on the control of STS-based system for people with paraplegia. In [18], unsupported standing in paraplegic patients is explored and modifications required in the control strategies are proposed. The modifications were performed for paraplegic

the period of unsupported standing in paraplegics. Further exploration of control strategies using standalone or augmented control techniques has been explored in [19, 20]. There are various patients in which the rehabilitation is not possible due to a lesion in the spino-cerebral and a complete disconnection of the affected limbs from the central nervous system. For such cases, assistive devices are required which can enable such patients to perform their daily life tasks without any assistance. The concept of wheelchair limits the daily life activities of patients in many ways. It may also cause a demotivation and loss of confidence in the patients. Thus a

Keywords: Nonlinear control, Sliding Mode Control, Chattering control, Robotic, Assistive Device, Rehabilitation, paraplegic

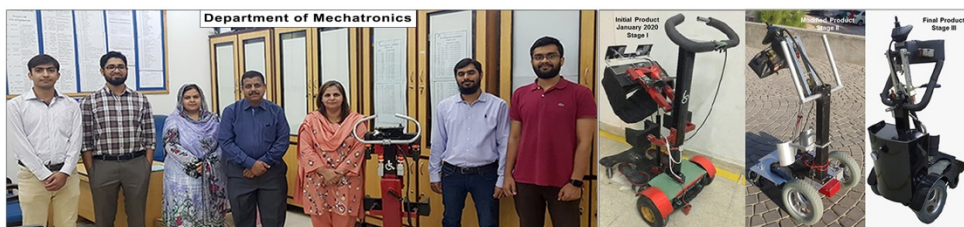
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With the above preview, here we illustrate the product that was developed from the initial phase of conception till completion. The same has reached the stage of manufacturing and shall be made available for public use. The finished product of Assistive device for paraplegic has also been duly approved by HEC & is being launched as a Start-up product.

As many people with disabilities depend on Assistive Devices to enable them to carry out their daily activities and participate actively & productively in community life. The faculty & students of department of Mechatronics in collaboration with department of Pathology - FMC, Air University Islamabad campus have developed an Assistive Device for Independence and Mobility of Paraplegic patients. The project team for the development of this device included Professor Dr Zareena Kausar, Engineer Abdullah Siddiqui, and various PhD and MS students from Department of Mechatronics, Air University, along with: Medical Partner, Brig Professor Dr Rizwan Hashim (R) HoD Pathology, FMC & his team members.

The medical & engineering team members, conceptualized designed & developed this appliance which assists the paraplegic patients helping them to gain independence for their mobility. This device has an independent Boarding, Sit-Stand Mechanism & Joystick controlled mobility platform. This was achieved through rigorous experimentation at the mechatronics lab & clinical trials at regional rehabilitation centers, where the patients with various physical disabilities used this device for over coming their mobility barriers. These interdisciplinary projects illustrate the benefits of collaboration between health and engineering sciences.

This project was approved by the HEC evaluators on 28th Oct, 2021. This illustrates a practical success story of interdisciplinary research activities, team members collaboration leading to a device that provides independence and mobility to patients, with disabilities. During this process the research titled "Chattering Free Motion Control of an Assistive Robotic Device for Paraplegics" was published in 2019.



MEETING FOR INTEGRATED MODULAR CURRICULUM DEVELOPMENT

Department of Medical Education Fazaia Medical College arranges regular sessions for the development of an Integrated Modular Curriculum for MBBS students. Integrated approach to learning has many benefits because it facilitates contextual and applied learning. It encourages students to see interconnections & interrelationships among disciplines.

A meeting regarding Integrated Modular Curriculum Development was organized by Department of Medical Education Fazaia Medical College and was attended by Brig Prof Dr Mazhar Hussain SI(M) (R), Vice Principal FMC, HoDs and other faculty members from Basic Science Departments. This meeting was held as a part of series of meetings regarding final proposal of assessment policy for the first academic year of Integrated Modular Curriculum.



FAZAIA MEDICAL COLLEGE

CONTRACT SIGNING OF THE FIRST FUNDED RESEARCH PROJECT OF FAZAIA MEDICAL COLLEGE ISLAMABAD

Maj Gen Muhammad Tahir Khadim HI(M) (R), Principal Fazaia Medical College & Prof Shamsa Rizwan, Head of Department Obs & Gynae & Project Manager recently, signed a contract in September, 2021 with Leibniz Institute for Prevention Research & Epidemiology (BIPS), a Research Institute in Germany for the project titled: "WELLPACK - Integration of Digital Mental Health Intervention at Community Level in Pakistan." The project is being funded by the German Federal Ministry of Education & Research. The initiative is a commendable achievement for project initiation. This achievement was the result of the untiring efforts and is a major milestone towards enhancing the research culture at Fazaia Medical College, Islamabad campus.



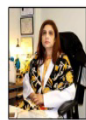
RESEARCH AND PUBLICATIONS: FMC FACULTY & STUDENTS

Research is essential for building knowledge & facilitating learning. FMC faculty regularly participates in achieving new heights in research and publishing their findings in reputed medical and health sciences national & international journals. It is an essential to understand health related issues and increase public awareness regarding health care problems. Faculty and students of FMC actively conduct research activities and publish them for awareness of masses.



Research Paper by **Dr Hafsa Waseem** microbiologist, working in the Department of Pathology, FMC, was published in International Journal of Pathology, Vol.19, issue 2. The article: "Rapid Antigen Diagnostic Test for Quick Detection of Streptococcal Pharyngitis in Pediatric Age Group" evaluated the efficiency of Rapid Streptococcal Antigen Detection Test (RADT) method for identification of Group A beta hemolytic Streptococcus (GABHS) & compared its results with that of throat culture.

Another research article; "Molecular Detection of tetA tetB Gene in Escherichia Coli." by **Dr Hafsa Waseem** has been published in the same journal. This article assessed the tetracycline-resistant genes among isolated E. coli from blood culture received in microbiology laboratory.



Prof Dr Tallat Najeeb is a renowned ENT specialist working as faculty member & Head of ENT Department in FMC & PAF Hospital Islamabad. Her recent research paper was published on "Online Medical Teaching during Covid-19 Pandemic" in Rawal Medical Journal: Vol.46, No.4, Oct-Dec 2021. It assessed the level of satisfaction regarding online teaching among students and faculty of medical colleges in Islamabad.



Dr. Muhammad Sajid R. Abbasi is a well known nephrologist working as Associate Professor at FMC, recently published a research paper, "Pattern of Renal Diseases Detected on Renal Biopsy at PIMS Islamabad." In Journal of American Society of Nephrology 32:2021.

AWARD WINNING PARTICIPATION OF FMC STUDENTS IN RIPHAAH INTERNATIONAL LIFESTYLE MEDICINE CONFERENCE - 2021

Riphah International University held a conference on life style Medicine from 2-5th Dec 2021, to create awareness & incorporate lifestyle medicine among the undergraduate and post-graduate medical curriculum and get lifestyle medicine recognized as a subspecialty of medicine.

The aims and objectives of this conference were to introduce this specialty to healthcare community and medical students and to introduce preventive aspects of Lifestyle Medicine in daily routine. Moreover, renowned national and international speakers were also invited in person and on zoom to talk about various pillars of Lifestyle Medicine and their role in various diseases.

Department of Community Medicine, FMC contributed to this conference by participating in Abstract presentations. A total of 9 abstracts were submitted by FMC students of Fourth Year MBBS, making this the highest number of abstracts from any single Medical Institute. This was made possible under the kind auspices of the Principal Fazaia Medical College, Maj Gen Tahir Khadim (R), HI (M), and Prof Dr. Ruksana Khan HoD Department of Community Medicine.

The students of Fazaia Medical College secured First and Second positions in abstract presentations. Mr Hassan Muhammad Khan Chancellor Riphah University, Lt Gen Prof Azhar Rashid HI(M) (R), Prof Rashid Latif Khan, Brig Prof Maqsood ul Hassan (R) & Dr Shagufta Feroz appreciated the participants and faculty of Fazaia Medical College for their excellent and meaningful contribution in the Life style Medicine conference.



PARTICIPATION OF FMC FACULTY & STAFF MEMBERS IN TRAINING SESSION ARRANGED BY RESCUE 1122 FIRE SAFETY AND EVACUATION DRILL

Fire safety training helps to ensure that everyone knows how to act safely, reducing the risk of injury or loss of life in the event of a fire. Basic fire-fighting techniques can also help to prevent small fires from becoming big emergencies. A fire safety and evacuation drill was arranged at Fazaia Medical College in 2021. The program included a lecture delivered by official representatives from 1122 and hands on training for the use of fire extinguishers. The interactive lecture elaborated the evacuation plans, methods & equipment essential for fire safety. The 1122 team demonstrated the use of 2 types of fire extinguishers. Faculty & Staff of FMC actively participated in the hands on session and practically learnt the handling and usage of fire extinguishers and other fire fighting equipment.



INTERACTIVE STRESS MANAGEMENT WORKSHOP - FMC FACULTY MEMBERS PARTICIPATION

Living a life full of tension or stress can be physically and mentally detrimental to our bodies. Workshops on stress management gives us the tools, tips and strategies needed to cope with our stressful lives. Department of Medical Education, FMC along with Clinical Psychologist FMC organized a workshop on Stress Management. It is a part of the series of workshops for Faculty Development Program arranged for Basic Sciences. This workshop was conducted by Ms. Maymoona Saadi, Clinical Psychologist, FMC in December 2021. Stress management strategies were discussed in depth. The participants were educated how to identify signs of stress and other mental health issues in the work environment. The workshop also provided the participants with the skills needed to offer support when an employee is experiencing stress. This well organized session was appreciated and acknowledged by all the participants.



ROLE OF FACILITATOR IN SMALL GROUP DISCUSSION AND TUTORIAL

DME conducted a workshop on "Role of Facilitator in small group discussion" by the end of Nov 2021. This workshop was attended by faculty members of FMC. The role of facilitator was practically demonstrated throughout the workshop. It was an interactive session that encouraged the participants to promote active learning in small groups and guided them effectively in order to facilitate discussions. Principal FMC Maj Gen M Tahir Khadim HI (M) (R) graced the occasion with his presence & lauded DME for arranging such an informative workshop. All the attendees appreciated DME for their efforts.



OSCE EXAMS MEDICINE AND SURGERY FINAL YEAR MBBS DECEMBER - 2021

OSCE for Final Year MBBS Students was conducted in Clinical Skill Lab, FMC, during the month of December 2021. The FMC Skills Lab stands out in providing a wide array of procedures, equipment, mannikins and task trainers that were used to evaluate the clinical abilities of students. The students were provided with focused OSCE scenarios in the exam. They were assessed on their ability to obtain and interpret relevant data, communicate effectively, perform clinical examinations smoothly on both real patients, standardized patients and mannikins, FMC students presented their findings to the examiner in a systematic and concise manner. In addition, they were required to perform various procedures such as Naso Gastric Tube Insertion & application of sutures on mannikins task trainers and task pads provided by the FMC skill Lab. Principal FMC Maj Gen Muhammad Tahir Khadim HI(M) (R) appreciated the smooth conduction of OSCE & the clinical performance and abilities of the Final Year students.



Various Stations at Clinical Skill Lab FMC



Interactive Stations during OSCE Sessions



OSCE Medicine evaluation by Examiners

VISIT OF CLINICAL SKILL LAB (CSL) - FMC

Professor Dr Ashok Kumar HoD Pathology Department HBS Medical College, Islamabad & Col Prof Syed Fawad Mashhadi HoD Department of Community Medicine Army Medical College Rawalpindi, visited Clinical Skill Lab Fazaia Medical College during December, 2021, Brig (R) Prof Dr Rizwan Hashim HoD Pathology FMC & Director DME, apprised them of the facilities offered to the students and instructors at CSL.

Prof Ahmareaen Khalid HoD Pathology Shaheed Zulfiqar Ali Bhutto Medical University - Pakistan Institute of Medical Sciences Hospital, Islamabad also paid a visit to FMC, CSL accompanied by HoD Pathology FMC in January, 2022. She was given a detailed tour of CSL and was informed about the future plans of incorporating latest models and equipment to further assist the students for polishing their clinical skills.



Col Dr Fawad Mashhadi - HoD Community Medicine Army Medical College - Rawalpindi



Prof Dr Ahmareaen Khalid - HoD Pathology Department SZABMU - PIMS - Islamabad



Prof Dr Ashok Kumar - HoD Pathology Department HBS Medical College - Islamabad

HEALTH CARE INNOVATIONS AND DIGITAL HEALTH CARE

Telemedicine or digital healthcare is a broad, multidisciplinary concept that define the domains that are situated at the intersection between Technology and healthcare. Digital health applies digital transformation to the healthcare field, incorporating software, hardware and services. It is the distribution of health related services and information via electronic information and telecommunication technologies. It allows long distance patient & clinician contact, care, advice, reminders, education, intervention, monitoring, and remote admissions.

An interactive session was arranged by FMC along with health care innovations and digital health care at PAF Hospital where various aspects of telemedicine were discussed in depth in December 2021. The session was attended by various Faculty members, Trainees and House Officers. The presenter, Dr Waqas Ahmed working as a nephrologist and TelePhysician in Florida USA briefed about the importance of this emerging field in medicine & it's benefits for both the clinicians and patients. This session was highly informative and was appreciated by the participants. Future collaboration between Pakistan & USA were also discussed.



FMC AND PAF HOSPITAL: JOURNEY TOWARDS INNOVATION - COCHLEAR IMPLANT

Deafness impacts human life more dramatically than a majority of other medical conditions. A particular issue is the education of deaf children. The condition of being "Deaf & Dumb" was therefore traditionally seen as necessarily leading to intellectual deficiency. The past 30 years have brought new perspectives in the treatment of hearing loss. Cochlear Implant is a device implanted in patients with severe to profound hearing loss. If a patient is congenitally deaf it requires a cochlear implant before 3-5 years of age. However, if the patient develops deafness after speech, it can be implanted at any age.

The establishment of Cochlear Implant surgeries at PAF Hospital Islamabad was the vision of Prof Tallat Najeeb, HoD ENT, PAF Hospital & faculty members of FMC Islamabad campus. The journey was started in 2019 at PAF Hospital.

This was a public awareness programme. Patients from all over Pakistan and from cities like Bannu, Sukkur and Larkana came to attend the event. Free hearing aids were distributed and the names of patients who required Cochlear Implant were collected for record keeping. Unfortunately, a sudden lockdown due to the Covid - 19 pandemic hindered this process. Almost 2 years later, after the Pandemic restrictions were relaxed, ENT Department PAF Hospital, Islamabad with the help of International Medical Relief Agency (IMRA) successfully implanted two (2) cochlear implants in December 2021. Each Cochlear Implant had a costs of about 2.2 Million. However these implants were provided free of cost to the under privileged patients who were unable to afford the procedure. Going forward, ENT Dept. has planned to start a Cochlear Implant program for the employees of PAF along with the continuation of free Cochlear Implant programme with IMRA (International Medical Relief Agency). The Cochlear implant surgery is a significant achievement for the ENT Department that always incorporates latest technologies for the benefit of the patients, hence contributing towards reducing disabilities in the societies.



Distribution of Hearing aid Among Deaf Children



Cochlear Implant Team

FAZAIA MEDICAL COLLEGE

MEMORANDUM OF UNDERSTANDING (MOU's)

Ceremony for signing of MOU was held at Air University Islamabad. This was attended by Vice Chancellor of Air University Air Marshal Javaid Ahmad HI (M) (R), Principal FMC Major General Muhammad Tahir Khadim HI (M) (R) Registrar AU, Director ORIC & various FMC Faculty members. Following agreements were made on this occasion:-

1. A Memorandum of Understanding was signed between Fazaia Medical College, Air University (AU), Islamabad and National Institute of Health (NIH), Islamabad. This MoU helps both institutes to share their efforts for Research and Development of Biological & Biomedical Sciences. It will strengthen the Biological & Biomedical Research & will aid in the exchange of facilities, researchers, scientists and experts for joint research projects.
2. A Letter of Collaboration (LOC) for academic and scientific cooperation was signed between Fazaia Medical College and Scaling Up Nutrition Civil Society Network Asia. This agreement will establish a mutually beneficial relationship built on academic & scientific cooperation. It will develop joint programs for research projects and publications on different topics for the prevention of nutritional deficiencies. This agreement will provide opportunities & facilitation for capacity building of government, students, residence, faculty & other stakeholders. FMC will provide premises such as auditorium & computer labs for organizing nutrition conferences and workshops.
3. Another Letter of Collaboration for academic and scientific cooperation was signed between Fazaia Medical College, Air University and Health Services Islamabad, Metropolitan Corporation. The aim of this agreement is to support each other for exchange of scientific publications, study programs, academic projects, seminars and conferences. This project will provide training opportunities to students in the outreach, community health & vaccination centers. It will help to develop joint research projects and publications for the prevention of communicable and non-communicable diseases.

MOU's SIGNING CEREMONY



Principal Maj Gen Prof M Tahir Khadim HI(M), (R) FMC &
Maj Gen Dr Aamer Ikram HI(M), SI(M), Executive Director - NIH, Islamabad



Principal Maj Gen Prof M Tahir Khadim HI(M), (R) FMC &
Dr Irshad Danish, Advocacy Advisor/ Chair of SUNCSN Nutrition International Sun Movement



Principal Maj Gen Prof M Tahir Khadim HI(M), (R) FMC &
Director General Health Services Ms Ayesha MCI - Islamabad

ORIENTATION CEREMONY TO WELCOME 7TH BATCH OF FMC – FEB 2022

Orientation Ceremony to welcome the New Batch of First Year Medical Students of Fazaia Medical College was held on 11th February 2022 at Air University (AU) Islamabad. The event was attended by representatives of Air Headquarter, FMC faculty members Directors of Air University (AU), Deans and HoDs of various Engineering, Management and Social Sciences, new batch students and their parents/ guardians.



The event started with the recitation of the Holy Quran. Principal, FMC, Maj Gen M Tahir Khadim HI(M), (R) in his opening & welcome address congratulated the new batch on securing admission in FMC, a prestigious Medical College in Pakistan. He welcomed the new students & informed them about the facilities available for their learning & training. He highlighted the unique chances that await their interaction with Basic and Clinical Health Sciences along with disciplines Computer Sciences, Management studies and Social Sciences of Air University Islamabad Campus.

Vice Chancellor Air University, Air Marshal Javaid Ahmad HI(M), (R) graced the occasion as Chief Guest. He motivated the students and encouraged them to participate actively in academic research and learn latest tools of technology that have applications in healthcare, he also emphasized the learning of Time & Resource management tools for future doctors to develop the required skills and know-how for better patient management and care. Vice Chancellor Air University wished them good luck for their academic journey at Fazaia Medical College Islamabad.

The students then took the Hippocratic Oath during the white coat ceremony under the guidance of Dr. Zille Huma Mustehsan, Assistant Professor, Community Medicine Department FMC. The students pledged to treat the ill to the best of their abilities and to abide by the codes and principles of medical ethics.

The ceremony concluded as the new students and faculty posed for a group photograph with the Chief Guest, Vice Chancellor, Air University.



RESEARCH & PUBLICATIONS: FACULTY OF FAZIAI MEDICAL COLLEGE

Research in the health care plays an important role in the betterment of society as it evaluates & propagates significant information related to disease and their management.



Research article by Professor Dr Shamsa Zafar, Head of Department of Obstetrics & Gynecology FMC, was published in online British Medical Journal (BMJ) Global Health on 2nd February 2022. The article titled Digital communities of practise: One step towards decolonising global health partnerships focused on the sharing of medical and healthcare knowledge & information online, that could enhance the development of global collaborations creating more equitable partnerships.



A case report "Retroperitoneal Ectopic Pregnancy Presenting as a Massive Retroperitoneal Hematoma" was published in Journal of the College of Physicians & Surgeons Pakistan (JCPSP) in March 2022, Vol 32, No. 03, by Associate Professor, Dr Zeba Munzar, Department of Obstetrics & Gynecology, Fazaia Medical College, Islamabad. This case was managed at PAF Hospital Islamabad. Retroperitoneal Ectopic Pregnancy is an extremely rare condition. So far, less than 25 cases have been reported globally. This reflects the expertise of FMC clinical doctors, endurance of the para medical and nursing staff, team work, collaboration and multidisciplinary approach to manage the patient at PAF Hospital. This also highlights the writing and research skills of FMC Clinical Faculty members.

OSCE EXAMS FINAL YEAR MEDICINE, SURGERY AND PAEDS JAN – FEB, 2022

OSCE for final year MBBS was carried out in the Clinical skill lab of FMC during the month of January & February 2022. FMC Clinical Skills Lab is fully equipped with latest instruments & manikins that enable the examiners & faculty to evaluate the students in a wide variety of clinical skills. Students were provided with clinical scenarios during the OSCE exam & were assessed on their abilities of interpretation of data, communication with patients and performance of clinical examinations on real and simulated patients. Students were also examined on the basis of their ability to carry out clinical procedures like Nasogastric tube and Foley's catheter insertion on manikins. Senior examiners in Paeds, Medicine, Surgery & Gynae/ Obs evaluated the students and appreciated the smooth conduction of OSCE examination at FMC Islamabad Campus.



Internal Examiner
Brig Prof Dr Ashfaq Ahmed (R), Surgery - FMC



Internal Examiner
Brig Prof Dr Muhammad Tahir (R), Medicine - FMC



External Examiner
Maj Gen Prof Dr Salman Ali H(M) (R), Paeds

WORKSHOP ON PROFESSIONAL AND LINGUISTIC ASSESSMENTS BOARD (PLAB) EXAM

The Professional and Linguistic Assessments Board (PLAB) test provides the main route for International Medical Graduates to demonstrate that they have the necessary skills and knowledge to practise medicine in the United Kingdom.

Department of Medical Education - FMC organized a workshop on the PLAB Exam, on 21st February 2022 in Clinical Skill Lab FMC. The workshop was conducted by Dr Hamza Tahir, he is currently working at John Radcliffe Hospital, Oxford, United Kingdom after passing the PLAB exam. The workshop was attended by various FMC students, House Officers & Demonstrators. This session contained guidance regarding the PLAB exam. The interactive session was very informative & was greatly appreciated by all the participants.



VISIT TO CLINICAL SKILLS LAB - FAZAIA MEDICAL COLLEGE

Biomedical Engineers focus on advances in technology & medicine to develop new devices & equipment for improving human health. Students from the Biomedical Engineering Department at Air University were invited on an educational visit to the FMC Clinical Skills Lab on 9th Feb 2022 lead by Dr Jahan Zeb Gul, Assistant Prof of Biomedical Engineering, Air University - Islamabad. The students showed great interest in observing the various mannikins, models and task trainers available in CSL. Director Medical Education, Brig Prof Rizwan Hashim (R) briefed them about the equipment present in CSL & encouraged them to develop similar items as their cademic projects. This activity was a great learning experience and a source of inspiration for these students. The students were highly motivated by this visit and appreciated the Medical Education Department and Clinical Skills Lab, Fazaia Medical College.



PROPOSAL FOR ESTABLISHMENT OF CENTRE OF EXCELLENCE FOR BIOMEDICAL TECHNO-PRENEURSHIP

A delegation from M/S 128 Technologies comprising of CEO Dr. Muhammad Umer and Project Manager Mr. Ali Pirzada visited Brig Prof Rizwan Hashim (R), HoD Pathology Fazaia Medical College on 23rd Feb 2022 for a meeting regarding collaboration.

The meeting was also attended by Air Cdre Afzaal Ahmed Khan, Director ORIC, Air University and Dr. Jahan Zeb Gul from Biomedical Engineering Department Air University, Islamabad. The purpose of the meeting was to establish National Level Center of Excellence for Biomedical Techno Preneurship by creating a link between Academia, AU with industry M/S 128 Technologies through various defined activities. The aim of this Center will be to design, manufacture, assemble, test & export biomedical equipment and services. The diverse departmental background of AU students will be a vital asset during the venture.



They shall collaborate through a comprehensive apprenticeship program leading to a well skilled technopreneur. To initiate the process, team of M/S 128 Technologies and selected students of Air University shall create success stories by delivering short-term results translating into prototypes & products. Initially two startups shall be registered with AU under the banner of M/S 128 Technologies. M/S 128 Technologies has highlighted the following projects to be started immediately with students from Air University:-

1. Design and development of PCBs in the Existing Syringe Pump. (Dual Syringe Pump).
2. Project Sadar: Detection and Monitoring of Cardiac Anomalies (Automated analysis of the Left Ventricle).



FAZAIA MEDICAL COLLEGE

VICE CHANCELLOR NUMS VISITED FAZAIA MEDICAL COLLEGE (FMC)

Lt. Gen. Wasim Alamgir HI(M), Vice Chancellor (VC) NUMS, visited FMC in March, 2022. He also visited Clinical Skill Lab. He was given an overview of the facilities provided to Fazaia Medical College students for teaching, using the mannikins and equipment available in clinical skills Lab.



INTEGRATED DIGITAL MENTAL HEALTH INTERVENTION IN COMMUNITY IN PAKISTAN (WELLPAK)

A meeting was held between the research group Integrated Digital Mental Health Intervention in community with Pakistan Wellpak & Principal FMC in April, 2022. The importance of digital health after the Covid-19 pandemic was discussed. The future plans for addressing the issues related to mental health in various strata and communities living in Pakistan also came under discussion.



METHODS IN QUALITATIVE RESEARCH WORKSHOP BY WELLPAK

A workshop on Methods in Qualitative Research was held at Fazaia Medical College (FMC) in April 2022, organized by the Gynecology Department of PAF Hospital-Islamabad. The main facilitation and discussion was carried out by HoD Gynecology, Professor Dr Shamsa Rizwan & Well Pak representative Dr Sheham Sikander.

The Well-Pak project is an integration of digital mental health intervention at community level in Pakistan, a funded research project started by Fazaia Medical College (FMC) & funded by the German Federal Ministry of Education and Research.

This was attended by FMC faculty, post graduate trainees from PAF hospital and local public health professionals. The interactive meeting had sessions of Qualitative Research including its difference from Quantitative methods, Methods of Data collection and Framework analysis.



AUDIT TEAM VISIT FAZIA MEDICAL COLLEGE

PATHOLOGY DEPARTMENT OF FMC

Audit Team consisting of Group Captain Aftab and Wing Cdr. Syed Wajdan visited Department of Pathology in March 2022. They visited various sections of the Pathology Department including Departmental labs, Histopathology museum and Tutorial room.

The PAF audit team members also visited the Clinical Skill Lab FMC. They reviewed the latest facilities provided to FMC students for teaching and learning.



DR HAMEED UR REHMAN VISITED IN CLINICAL SKILLS LAB (CSL) - FMC

Dr Hameed ur Rehman Assistant Professor in the Department of Creative Technologies, Air University (AU) Islamabad Campus, along with his students, inspected the various facilities at Fazaia Medical College in the Clinical Skills Lab & Department of Anatomy FMC. Dr Hameed Ur Rehman plans to develop Virtual Reality (VR) & Augmented Reality (AR) platforms for FMC students with mobile applications (Mobile Apps) that will enhance & enrich their learning experience.



BRIG GOHAR ZAMAN (R) KRL HOSPITAL VISITED PATHOLOGY DEPARTMENT - FMC

Brig Dr Gohar Zaman (R) HoD Pathology KRL Hospital visited the Pathology Department FMC. He was given an overview of the facilities provided by FMC for students for learning Pathology. He appreciated the facilities available & that they were being regularly utilized.



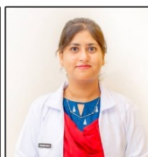
RESEARCH ARTICLE OF FMC: FACULTY



Dr. Shafaq Khadija, Histopathologist from Pathology Department Fazaia Medical College published a research article, 'Diagnostic Utility of CD10, EMA and BCL2 Markers in Differentiating Between Squamous Cell Carcinoma and Basal Cell Carcinoma of Skin' in International Journal of Pathology. This article studies the expression of CD10, Bcl2 and EMA in BCC and SCC and correlates this expression in differentiating between BCC and SCC.



Another article, 'Decrease Expression of E-cadherin in Oral Lichen Planus- A Marker of Premalignant Lesion' was also published by Dr. Shafaq Khadija in the same journal. The objective of the study was to determine the expression of E-cadherin in oral mucosal biopsies as a diagnostic aid for evaluation of malignant potential of oral lichen planus.



A Research Article, titled as 'Cost Effective Antibiotics Versus Meropenem Against Extended Spectrum Beta Lactamase Producing Escherichia Coli from Urine.' was published by Dr. Hafsa Waseem and Dr. Bushra Anam from Pathology Department Fazaia Medical College in the International Journal Of Pathology.

This article compared the in-vitro efficacy of cost effective antibiotics versus Meropenem against Extended Spectrum Beta Lactamase producing Escherichia coli in urine.

ARMY MEDICAL COLLEGE (AMC) FACULTY VISITED FAZIA MEDICAL COLLEGE

Brig Khadija Qamar Prof of Anatomy and Col Fawad Mashadi HoD Community Medicine Department Army Medical College Rawalpindi, were given a tour of FMC Clinical Skills Lab about the latest facilities that Clinical Skills Lab provides to FMC students.



MR KHALID QURESHI COUNTRY HEAD (BMJ) VISITED FAZIA MEDICAL COLLEGE

The British Medical Journal (BMJ) is a high impact factor, weekly peer-reviewed medical journal published by the British Medical Association (BMA).

Mr. Khalid Qureshi Country Head of BMJ, visited Fazaia Medical College in May 2022, for a meeting with Principal FMC Maj Gen Muhammad Tahir Khadim HI(M), (R) & Director DME Brig. Prof Dr Rizwan Hashim to discuss the importance of promoting Academic Research and Evidence Based Medicine. The meeting also explored research opportunities for medical students and faculty with respect to current health issues.



FAZAIA MEDICAL COLLEGE

The 1st Convocation of Fazaia Medical College Islamabad, Campus of the 1st MBBS Batch 2015 - 2020, was held on Thursday 23rd June, 2022, at Main Auditorium, Air University, E-9 Islamabad.

ARRIVAL OF HONORABLE CHIEF GUEST - CHIEF OF AIR STAFF - AIR CHIEF MARSHAL ZAHEER AHMAD BABAR SIDHU NI (M)



Address by CAS - ACM Zaheer Ahmad Babar Sidhu NI (M)

The Chief Guest, Chief of Air Staff, Air Chief Marshal Zaheer Ahmad Babar Sidhu NI (M) expressed his appreciation about the standard and quality of education being imparted at Fazaia Medical College (FMC) Islamabad. He also emphasized that to stay among the group of top Medical Colleges, Fazaia Medical College will have to add innovative teaching and learning strategies that are helpful in clarifying complex medical concepts.

He stressed that medical graduates need to upgrade their knowledge to meet the challenges that the health care system is currently facing. The chief guest also acknowledged the various duties and services performed by the Faculty and Staff members of Fazaia Medical College (FMC) by awarding them with commendation certificates.



Address by Vice Chancellor Air University

Vice Chancellor, Air Marshal Javed Ahmad Hil (M), (R) AU, Islamabad, appreciated and conveyed his best wishes to the FMC faculty members who contributed towards the development of FMC. Basic and Clinical Sciences Departments early months of FMC to the present where FMC stands high among the top medical institutes of the country. He emphasized that the faculty members of FMC should join hands for a collaborative working environment and a futuristic approach, as FMC has the capabilities to innovate & enrich the teaching, learning & practical experiences for novel medical practices that are expected to take hold in modern medical colleges. He applauded all the research team members from all the disciplines who collaborated in projects of multidisciplinary research that have been undertaken by Air University departments and FMC. He also expressed his deepest gratitude for the Pakistan Air Force who have provided the strongest support for FMC throughout these years. In the end he congratulated the parents of the young medical graduates who have stood by their sons and daughters to make this mutual dream come true.

Address by Principal Fazaia Medical College

The Principal Maj Gen Muhammad Tahir Khadim Hil (M), (R) FMC thanked the Chief Guest, Air Chief Marshal Zaheer Ahmad Babar Sidhu NI (M) for gracing this special occasion of the 1st convocation of FMC, 1st Batch: 2015 - 2020. He appreciated the dedication of teachers their hard work with the FMC students for having a passing percentage close to 100% & expressed his satisfaction for the training workshops that have been arranged by the Department of Medical Education - FMC for all faculty members to upgrade their teaching skills and make them conversant with latest teaching tools & technologies. He also apprised the guests that to address the changing needs of training of health professionals, FMC has developed the state of the art Clinical Skills Lab that is equipped with latest manikins devices which are regularly used for training undergraduate students and postgraduate medical doctors of FMC and PAF hospital - Islamabad. He also shared his futuristic vision where FMC has planned to add Simulation in Medicine during coming years in the Clinical Skills Lab. This is aimed to enhance the teaching and learning experience of FMC students.



Registrar Air University

The various events of the ceremony were conducted by Air University (AU), Air Commodore Abdul Wahab Molla (R), Registrar (AU), Islamabad.



The Chief Guest of the convocation was the honorable Chief of Air Staff Air Chief Marshal Zaheer Ahmad Babar Sidhu NI (M). Gold, Silver and Bronze medals were awarded to the students who secured 1st, 2nd and 3rd positions respectively in their University Professional examinations while those students who secured highest marks in each subject, were also awarded Gold Medals.



1st Position
Dr Saad Ashar Malik Gold Medalist with his Parents



2nd Position
Dr Ayesha Sagheer Silver Medalist with her Parents



3rd Position
Dr Faiza Latif Bronze Medalist

OPENING CEREMONY OF GRADUATE DOCTORS BATCH 2015 - 2020 MBBS



OATH TAKING CEREMONY OF GRADUATE DOCTORS BATCH 2015 - 2020 MBBS



Presentation of Souvenir to the Chief Guest



Presentation of Souvenir to Maj Gen Salman Ali H(M), (R), Ex - Principal FMC



Group Photo of Chief Guest with FMC's HoD's

First Convocation Ceremony of
Fazaia Medical College

COMMENDATION CERTIFICATES TO FMC CLINICAL & BASIC SCIENCES FACULTY MEMBERS



Group Captain Dr. Muneeza Rizwan, Assoc Prof of Dermatology was commended for her committed and devoted services as Uniformed Teaching Faculty at PAF teaching hospital of 'FMC'. Her contributions towards the establishment of the Department of Dermatology & monitoring of clinical training for the MBBS students and post-graduate trainees has been remarkable. She meticulously contributed to the planning and implementation of clinical rotations for the MBBS students at the PAF hospital. She has proved to be an excellent dermatologist and teacher par excellence for undergraduate and post-graduate training.



Squadron Leader Zainab Rizwan, Assistant Professor of Medicine, was commended for her utmost commitment, dedication, and devotion for her services at PAF Teaching Hospital of FMC. Her contributions towards the functioning of the medicine deptt. and clinical training of MBBS students has been exemplary, which will help achieve standardized training for future doctors.

Commendation for FMC'S Clinical Medical Faculty;



Dr. Shamsa Rizwan, Professor of Obs and Gynae, was commended for her utmost commitment, dedication, and devotion for services at PAF Teaching Hospital of FMC. Her contributions towards the development & functioning of the Department of Obs and Gynae as a teaching unit of MBBS program as well as development of standardized curriculum and academic assessments for the MBBS students has been remarkable.



Brigadier Dr. Muhammad Farooq Dar (R), Professor of Surgery was commended for his utmost commitment, dedication and devotion for services at PAF Teaching Hospital of FMC. His contributions towards the development and functioning of the Department of Surgery and Allied as a teaching unit of MBBS program, as well as managing lectures, clinical training and internship programs of the pioneer batch of MBBS effectively, has been commendable.



Dr. Asma Shabbir, Prof of Paediatrics was commended for her utmost commitment, dedication & devotion for her services at PAF teaching hospital of Fazaia Medical College. Her contributions towards the development of the curriculum of MBBS and functioning of the Dept of Paediatrics as a teaching unit has been remarkable. Her ambition to achieve high standards in clinical training of medical students by creating an engaging and interactive classroom environment has been par excellence.



Dr. Irfan Aslam Khattak, Assistant Professor of Ophthalmology, was commended for his utmost commitment, dedication, and devotion for services at PAF Teaching Hospital of Fazaia Medical College. His contribution towards clinical teaching of Ophthalmology to MBBS students stood out for incorporating creative and effective teaching activities to help mastering clinical skills. Above all, he is an approachable teacher who teaches with compassion and helps engage the students in learning.

Commendation for FMC'S Basic Sciences Faculty;



Brigadier Dr. Rizwan Hashim (Retired), Professor of Pathology & Director Department of Medical Education, was commended for his utmost commitment, dedication, and devotion to the Development of Integrated Modular Curriculum at FMC. His contributions towards the establishment and functioning of the Deptt. of Medical Education and Clinical Skills has been commendable, which played a pivotal role during Covid - 19 Pandemic for teaching Clinical skills under safe conditions. He has played a vital role in establishment of Diagnostic Pathology Labs at PAF Hospital and Pathology Teaching Lab at FMC, which paved the way for recognition and accreditation of PAF Hospital for Chemical Pathology FCPS-II training by The College of Physician & Surgeons of Pakistan.



Dr. Kiran Kamran, Professor of Anatomy, commended for her utmost commitment dedication, & devotion for services at FMC. Her contributions for the establishment of the Anatomy Museum, Histology Lab and Development of Integrated Modular Curriculum for the MBBS program with standardized academic assessment processes has been remarkable. She has been an excellent teacher who has helped her students learn content and think critically, while bringing excitement & energy to the learning process. She has also developed and implemented various Medical Sciences teaching projects with an easier and methodical approach.

COMMENDATION CERTIFICATES TO FMC STAFF

Ms. Sarwat Qayyum, Museum Curator was commended for her diligence, dedication, dutifulness and long-term untiring services in performing challenging tasks within given time frames. She has proved to be an efficient worker has been providing great support to the Department.



Mr. Fahad Latif Butt, Lab Technician was commended for his hard work and commitment to FMC in performing challenging tasks within a short time. He has proved himself to be an efficient worker and has been providing great support to the department.

Mr. Ibrar Hussain, Computer Operator was commended for his work ethics & loyalty in performing challenging tasks within given time frames. He has proven himself to be an efficient worker has been providing a great support to the Department.



Mr. Zahoor Ahmed, Computer Operator was commended for his diligence, & compassion in performing challenging tasks within the given time frames. His performance has been remarkable to maintain files record of correspondence with honesty. He has been an efficient worker who has been proficiently contributing to the Office of Training & Coordination Fazaia Medical College for conduction of clinical trainings for MBBS students at PAF and KRL hospital.



Mr. Awais Sultan, Office Attendant, has served Fazaia Medical College, Air University since November 2019. Through his profound devotion, performance and reliability he has become a role model for all the employees of the university.



Ms. Venus has served Fazaia Medical College, Air University as a Sanitary Worker since May 2009. During this tenure of service, she has been a hardworking, obedient, and dedicated employee. She has always performed her duties with diligence, accomplished the tasks as signed to her cheerfully, and her work has always been to the complete satisfaction of her supervisors.



Vice Chancellor Air University, Islamabad with FMC Faculty Members, Administration, Staff Members and Graduate Students Year 2015-2020



WRITE US OR CALL US

FAZAIA MEDICAL COLLEGE
E-9, ISLAMABAD
PK 44000

PHONE NO: 051-9262557-9, 051-9261781, 051-2281482-4

FAX: 051-9260158

Email: info@fazaiamedical.edu.pk