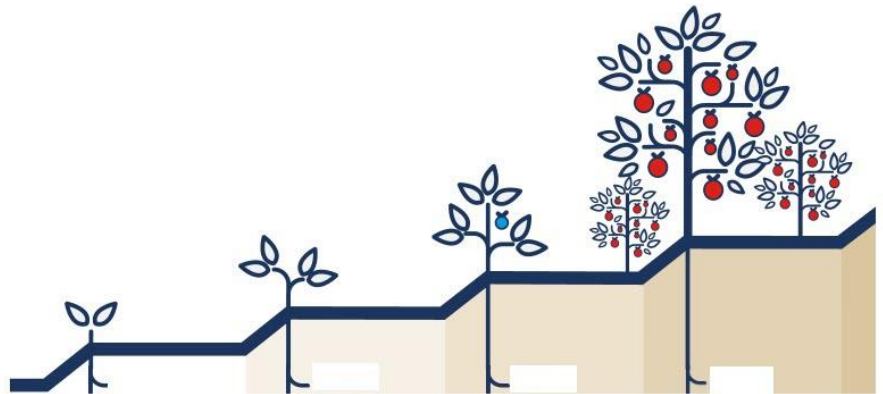


ANNUAL REPORT 2017 R&D DEPARTMENT, ATMC&H, KARACHI

Prepared by: Prof. Husan Bano & Muhammad Arslan



Annual Progress Report of R&D Department of
Al-Tibri Medical Collage and Hospital, Karachi,
Distribution is limited to concerned persons only.

A. Excellence in Teaching (Teachers Development Program)

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Background:

The department was established in 2012 as QEC&R, at that time it was part of QEC Department. New department with the name of Research & Development (R&D) Department was established in February 2017

The Reason for Being:

This department was founded by Prof. Husan Bano (Vice-Principal) ATMC&H, Karachi with clear aim to develop research culture in organization and to promote the researches initiation and disseminate the knowledge to others via “Articles” and “Reports”.

Vision:

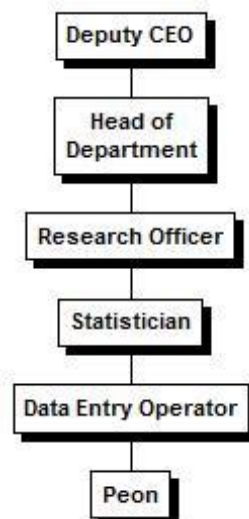
To enable research oriented organization

Mission:

To build the capacity and skills of faculty in achieving expertise in research work

Objectives:

- To support in capacity building
- To support in maximum publication of articles
- To build the research oriented environment

Organogram of Department:

Workshops Conducted by Department:

| S# | Title | Facilitator | Month | Number of Beneficiaries |
|----------------------------|--|-----------------------|-----------|-------------------------|
| 1. | How to prepare and present research article | Dr. Hina | March | 12 |
| 2. | How to select research topic and its management | Muhammad Arslan | March | 09 |
| 3. | Options in medical research and tools to use in research work | Muhammad Arslan | July | 20 |
| 4. | How to write research article | Muhammad Faisal Fahim | August | 23 |
| 5. | Winning formula Ceporex | Amir Hasan | September | 36 |
| 6. | Calcium, Vitamin D3 and K | Salman Sheikh | April | 32 |
| 7. | How to write effective articles | Muhammad Faisal Fahim | December | 30 |
| 8. | Needs, Types and Importance of Medical Researches in the Field | Muhammad Arslan | December | 26 |
| Total Beneficiaries | | | | 188 |

Prepared proposals template:

Institutional Research Ethical Committee
Al Tibri Medical College, Isra Medical University
Karachi, Pakistan

APPLICATION FORM

Checklist

This checklist is prepared in order to aid investigators in preparing a complete application and to help expedite review by the Institutional Research Ethical Committee. Your cooperation in completing it will be greatly appreciated.

PRINCIPAL INVESTIGATOR'S NAME: _____

DESIGNATION: _____

DEPARTMENT: _____

- Application to give approval for conducting research
- A filled copy of Form (A) research protocol
- A copy of Drug Brochure or any supplementary information enclosed (if applicable)
- A copy of informed consent English & Urdu or any other local language of the population study
- A copy of Questionnaire being administered during the study (if applicable)
- I have made a copy of this entire application for my files
- I have submitted the application, research protocol and informed consent with Urdu translation by hand to Research & Development Department ATMC, Karachi.

Signature: Principal Investigator (Mandatory)

Date

Signature of supervisor (if applicable)

Date

Seminar Organized by Department:

One Seminar in the Month of October with the title of “HEC: Role and contribution of Higher Education Institution in National Development”.

The details of Seminar are as follows:

Venue: Al-Tibri Medical Collage, Auditorium Karachi

Dated: October 06, 2017

Chief Guest:

Professor Muhammad Saleh Memon (AIEH)

Welcome Address:

Prof. Muhammad Rafiq

Judges for Poster Selection/Competition:

Professor Muhammad Rafiq

Professor Muhammad Ahmed Azmi

Professor Yasmeen Channa

Organizers:

Prof. Husan Bano

Dr. Asad Jiskani

Mr. Muhammad Arslan

Dr. Hina Khan

Comparing:

Dr. Hina Khan

Dr. Asma (MBBS, 5th Year)

Tilawat: Mr. Waqar



Speakers:

Prof. Muhammad Rafiq

Prof. Husan Bano

Mr. Muhammad Arslan

Topics:

- Introduction to HEC and its role in R&D
- AER/QEC and their importance in ATMC&H
- 2017 Role of Research & Development (R&D) Department at ATMC&H

Vote of Thanks: Prof. Husan Bano

Number of Participants: Approx 200 plus

Target Population:

All Faculty Members includes (Professors, Associate/ Assistant Professors, Lecturers, House Officers, MBBS 5th Year Students)

Starting Time: 9:30am **Ending Time:** 12:30pm

Number of Abstracts Received for Poster Competition: 25 abstracts

Number of Abstracts Finalized for Poster Competition by Judges: 16 abstracts

Final Results of Posters Competition:

- 1st Prize,** Dr. Bushra Zulfiqar, Gynae Unit II,
- 2nd Prize,** Dr. Faiza Samad
- 3rd Prize,** Dr. Abdul Rabb
- 3rd Prize,** Ms. Um e Farwa,

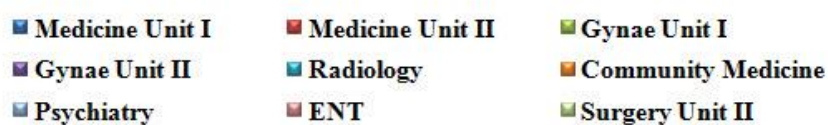
Synopsis Support to Post-Graduate Students of ATMC&H:

| S# | Name of Student | Department |
|----|--|-------------------|
| 1. | Dr. Tahir Hussain Khan (Approved Synopsis) | E.N.T |
| 2. | Dr. Nagina Mahar (Approved Synopsis) | Gynae |
| 3. | Dr. Zubaida Zehri | Pharmacology |
| 4. | Dr. Shahid Maqbool Korai | Anatomy |
| 5. | Dr. Shahid Kamran (Approved Synopsis) | Forensic Medicine |
| 6. | Dr. Liaquat Ali (Approved Synopsis) | Biochemistry |

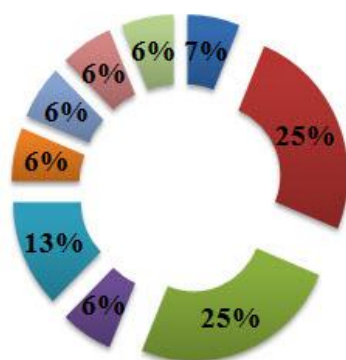
Range of Services by R&D Department:

- | | |
|--|--|
| <ul style="list-style-type: none"> * Idea initiation * Refining the idea for research * Providing the literature to researchers * Grammar checking and corrections * Bridging the gap b/w the researcher and IREC * Providing approvals to conduct research * Reviewing the proposals of research * Supporting and building the capacity of researcher to develop proposals * Correcting proposals * Searching databases of Journals by MeSH & Boolean Operators * Plagiarism testing * Supporting in removing and correcting the objections from journals * Data entry * Statistical analysis | <ul style="list-style-type: none"> * Designing the researches * Supporting and guiding the researchers in day to day research based queries and problems * References making in “Vancouver Style” * Providing support in publishing researches in national & international journals * Conducting meetings for PG students * Supporting PG students in removing objections by IREC * Proper record keeping of all the correspondence * Trainings and capacity building of researchers (individually and collectively) |
|--|--|

2017 Approvals for conducting researches: n=16



Percentage wise approvals to conduct researches 2017 n = 16



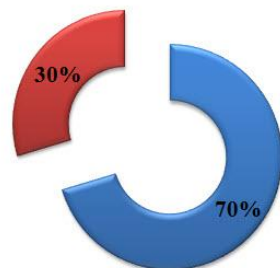
| S# | Author | Department | Journal Name | National/ International | Title |
|----|-----------------|---------------------|---|----------------------------|--|
| 1. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | A Comparative Observational Study of Blood Pressure Levels among Different Groups of Hypertensive Patients On The Basis Of Gender and Age |
| 2. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Awareness of Mothers about Diarrhea; A Cross Sectional Comparative Study Focusing on Consciousness of Diarrhea among Different Socioeconomic Classes in Pakistan |
| 3. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Management of acute bacterial sinusitis: a prospective observational, multicenter study focusing on the safety and efficacy of Moxifloxacin |
| 4. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Evaluation of the Directly Observed Treatment Short Course Program for Tuberculosis in Health Care Centers of Karachi: A Cross Sectional Study Highlighting the Problems Encountered |
| 5. | Dr. Adnan Anwar | Lecturer Physiology | ECronicon 2017 | International | The Assessment of Mothers in Selecting Private and Public Hospital Care for their Child; An Observational Comparative Study to Determine the Motive Behind Predilection |
| 6. | Dr. Adnan Anwar | Lecturer Physiology | International Journal of Open Access Atologanology 2017 | International | Management of acute bacterial sinusitis, A Prospective observational multicenter study, focusing on the safety & efficacy of moxifloxacin. |
| 7. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Local experience with generic safosbuvir & Ribavarin with and without pegylated IFN in chronic Hepatitis C predominantly genotype 3 patients |
| 8. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Clinical Presentation in Hypertension; an Observational Comparative Study to Determine Features in Male and Female Patients |
| 9. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Hypertension and Associated Neurological and Non-Neurological Symptoms in Different Age Groups: A Cross-Sectional Observational Study among Hypertensive Patients |

| | | | | | |
|-----|---------------------------|-------------------------------------|--|---------------|--|
| 10. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | A Cross Sectional Study Highlighting the Sensitivity Patterns and Incidence of Extended Spectrum Beta Lactamase Producing Klebsiella oxytoca in Patients with Urinary Tract Infection |
| 11. | Dr. Adnan Anwar | Lecturer Physiology | Symbiosis 2017 | International | Outcome of Pregnancies of Unknown Location: An Observational Study Highlighting the Association with Age and Clinical Features |
| 12. | Dr. Ilyas Jat | Asst. Professor Psychiatry | IMJ 2017 | National | Frequency of Anxiety and Depression Among Patients of Psoriasis in Relation with Marital and Socioeconomic Status |
| 13. | Mrs. Sumayya Anas | Asst. Professor Pathology | International Journal of Medical Science and Innovative Research (IJMSIR) 2017 | International | Manifestations of patients infected with malaria: a cross sectional study highlighting the comparison of Plasmodium Vivax and Plasmodium Falciparum on hematological and clinical basis. |
| 14. | Prof. Shabeen Naz Masood | Professor Gyne & Obs. | Lancet 2017 | International | Effect of early tranexamic acid administration on mortality, hysterectomy, and other morbidities in women with post-partum haemorrhage (WOMAN): an international, randomised, double-blind, placebo-controlled trial |
| 15. | Prof. Aziza Khanum | Professor Biochemistry | World Journal of Pharmaceutical Sciences (WJPS) 2017 | National | Evaluation of blood calcium and electrolytes in anemic women of Karachi |
| 16. | Dr. Nusrat Lakho | Assistant Professor Gyne & Obs. | Isra Medical Journal (IMJ) 2017 | National | Presacral Paraganglioma Mimicking Ovarian Tumor: A Case Report and Literature Review |
| 17. | Dr. Aftab Ahmed Shaikh | Associate Professor Pharmacology | Orthopedics and Rheumatology 2017 | National | Hyperuricemia: an Emerging Health Problem of the Society Invites Considerations |
| 18. | Mr. Muhammad Faisal Fahim | Statistician Research & Development | Pakistan Journal of Medical Sciences (PJMS) 2017 | National | Visual outcome after phacoemulsification with lens implant in diabetic and non-diabetic patients; A comparative study |
| 19. | Dr. Bushra Zulfiqar | Assistant Professor Gyne & Obs. | Biometrics and Biostatistics Open Access Journal (BBOAJ) 2017 | International | Frequency of Beta Thalassemia and Iron Deficiency Anemia in Moderate Anemic Pregnant Patients Visiting to Tertiary Care |
| 20. | Prof. Kausar | Professor | Pakistan Journal of Medical | National | Frequency and the risk factors of hepatitis C virus in pregnant |

| | | | | | |
|-----|-----------------------|----------------------------------|--|---------------|--|
| | Jillani | Gyne & Obs. | Sciences (PJMS) 2017 | | women; A hospital based descriptive study in Gadap Town Karachi |
| 21. | Dr. Rakhshinda Younus | Lecturer Pathology | Medical Forum 2017 | National | Bacteriological Profile of Burned Patients with Septicaemia |
| 22. | Dr. Jawed Iqbal | Assistant Professor Biochemistry | Medical Forum 2017 | National | Zingiber officinale Rosc (Ginger), Trigonella Foenum Graecum (Methi) and Allium Sativum Linn (Garlic) on Lipid Profile and Liver Enzyme Activities in Hypercholesterolemia Rats in comparison with Drug Atorvastatin |
| 23. | Dr. Raheela Adil | Assistant Professor Physiology | Open Access Journal of Pharmaceutical Research | International | Chlorpyrifos induced alterations in the status of white cells profile: Protective role of Nigella Sativa seed extract |
| 24. | Dr. Zainab Tariq | Lecturer Gyne & Obs. | WDF Abstract Abu Dhabi 2017 | International | TCD Transcerebellen diameter a predictive biometric parameter of fetal gestational age in pregnancy with diabetes |
| 25. | Dr. Nusrat lakho | Assistant Professor Gyne & Obs. | WDF Abstract Abu Dhabi 2017 | International | Single non fasting OGTT versus fasting OGTT for diagnosis of GDM |
| 26. | Dr. Saira Saeed | Assistant Professor Gyne & Obs. | WDF Abstract Abu Dhabi 2017 | International | Pre-Ramdan Health seeking behavior with fasting trends in pregnant women and their families |
| 27. | Dr. Zainab Channa | PG Gyne & Obs. | WDF Abstract Abu Dhabi 2017 | International | Comparison of fasting and non fasting OGTT for GDM screening via DIPSI criteria |

International & National Publications 2017

■ International 19 ■ National 08



| 2016 Publications: | | | | | |
|--------------------|---------------------------|-------------------------------|--|----------------------------|--|
| 1. | Dr. Nazia Qamar | Assistant Professor Pathology | Biostatistics and Biometric International Journal (BBIJ) 2016 | International | Frequency of Helicobacter pylori infection in gross morphology of gastric carcinoma |
| 2. | Prof. Aziza Khnaum | Professor Biochemistry | EJPMR 2016 | International | Drug induced hepatotoxicity after induction phase of chemotherapy in acute lymphoblastic leukemic patients Toxicities of Leunase (L-Asparaginase) administration in normal healthy rabbits. |
| 3. | Dr. Adnan Anwar | Physiology | International Journal of Current Research 2016 | International | Frequency of Chronic Low back pain and its management approach; A cross sectional survey of doctors across Pakistan |
| 4. | Muhammad Faisal Fahim | Statistician R&D | Biostatistics and Biometric International Journal (BBIJ) 2016 | International | Frequency of Refractive errors in bus drivers |
| 5. | Prof. Mohammad Ahmed Azmi | Professor Physiology | <ul style="list-style-type: none"> ISI Web of Science Book citation Index (BKCI). Elsevier, Netherland. 2016 | International Book Chapter | <ul style="list-style-type: none"> The impacts of Pesticides Exposure. Role of nanostructure molecules in enhancing the bioavailaibility of oral drugs. |
| 6. | Prof. Dr. Sohail Ahmed | Professor ENT | <ul style="list-style-type: none"> JLUMHS Isra Medical Journal 2016 | National | <ul style="list-style-type: none"> Regurgitated Presentation of Extranasopharyngeal Angiofibroma in Emergency. The Use Of Filter Paper And Argyrols Chemical |
| 7. | Dr. Qadir Bux Memon | Professor Anatomy | All in Medical Forum 2016 | National | <ul style="list-style-type: none"> Effect of Smokeless Tobacco on the outcome of Swiss Albino Mice Pregnancy & Changes in their Offspring's Body Weight; An Experimental study |

| | | | | | |
|-----|---------------------------|--|--|----------|---|
| | | | | | <ul style="list-style-type: none"> • Effect of smokeless Tobacco Alters the Histology of Kidney of Offspring's in Swiss Albino Mice. • Effect of Smokeless Tobacco Administration on Weight and Histology of Stomach in Offspring of Swiss Albino Mice |
| 8. | Dr. Farheen Hameed | Assistant Professor Pharmacology | Medical Forum 2016 | National | Comparative study of effect of Azadirchta indica (Neem) leaf extract and N-Acetylene on paracetamol induced liver damage in Rats. |
| 9. | Dr. Riaz A. Bhutto | Associate Professor Community Medicine | <ul style="list-style-type: none"> • Medical Forum • Pakistan Journal of Medical and Health Sciences • Isra Medical Journal • Pakistan Journal of Medical & Health Sciences 2016 | National | <ul style="list-style-type: none"> • Hospital waste Management plan at Bahawalpur Victoria Hospital • Prevalence of odontogenic sinus tracts among dental patients and its oral surgery management at Bahawalpur Victoria hospital & Quaid-e-Azam Medical College Bahawalpur. • Analyzing the existing health care informatics system. Case study: ATMC Hospital Karachi. Isra Medical Journal 2016 • Technical efficiency of public hospital on Sindh. |
| 10. | Dr. Faiza Samad | Professor Medicine | The Professional Medical Journal 2016 | National | BMI to Blood Pressure; Relationship of BMI to Blood Pressure and Ethnicity A Local Suburban Population Of Karachi. |
| 11. | Dr. Syed Muhammad Maqsood | Assistant Professor Community | Journal of Dow University of Health Sciences 2016 | National | Frequency of Enuresis and the factors associated with it in school going children of Karachi, Pakistan. |

| | | | | | |
|-----|-------------------|-------------------------------|--|----------|---|
| | | Medicine | | | |
| 12. | Dr. Amin Fahim | Associate Professor Pathology | The Professional Medical Journal 2016 | National | A molecular approach for early detection. |
| 13. | Dr. Anila Qureshi | Professor Pathology | The Professional Medical Journal 2016 | National | Bladder carcinoma; micro-RNAs: expression of miR-145 in patients, as a new diagnostic approach. |

Other Achievements in 2017:

- * Ideas in discussion = 10
- * Literature (Articles) Provided to Researchers = 300 +
- * Books provided to Researchers (Soft Copy) = 04
- * Pre-proposal submission phase = 00
- * Proposals received = 19
- * Approvals by IREC = 16
- * Rejections by IREC = 03
- * Researches in Progress = 16
- * Researches in Review Phase by Med. J.s = 06
- * Researches in Publishing Phase = 04
- * Abstracts Approved in International Conferences = 04
- * Synopsis development support = 06
- * Synopsis Approved by BASR Hyderabad = 02
- * Referencing Support = 29
- * Training sessions conducted for faculty members = 07
- * Books/Guides developed and distributed for researchers = 01

Trainings Calendar 2018:

| S# | Title | Duration | Month |
|-----|--|----------|-----------|
| 1. | SPSS Basics for Medical Science | 01 hour | January |
| 2. | Designing a questionnaire Performa/Scale development | // | February |
| 3. | Referencing by Vancouver Style | // | March |
| 4. | Literature Searching Skills | // | April |
| 5. | Effective Articles Writing | // | May |
| 6. | Accessing databases by using ATMC library facility | // | June |
| 7. | Research Methodology | // | July |
| 8. | Guidelines for Presentation Making | // | August |
| 9. | How to conduct FGDs | // | September |
| 10. | How to improve the research skills | // | October |
| 11. | Flaws in medical researches | // | November |
| 12. | Importance of researches in medical field | // | December |

* All topics will be covered by experts in research field

* Dates are not finalized, but will be announce at-least 07 days prior to the workshop

* Monthly research lectures are not mentioned in above table

* Guest lectures and on-demand workshops/lectures can be conducted as per needs and demand

* Customized workshops for any department can be arranged during any month of a year