

Report on Current Status of APPNA Education in Pakistan:

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FIVE areas of FOCUS (Big 5)

- I. Online Educational Courses
- II. Visiting Faculty Program
- III. Clinical Program development
- IV. Annual Conferences and workshops
- V. Research Collaborative Network

List of Collaborative institutions/organizations

1. National University of Medical Sciences
2. Pakistan Society of Neurology
3. Movement Disorders Society of Pakistan
4. Pakistan Stroke Society
5. Lady Reading Hospital
6. Rawalpindi Institute of Cardiology
7. Army Medical College
8. Army medical college Alumni Association
9. MH/CMH Rawalpindi
10. AFGMI
11. Bahria Town hospitals
12. Rawalpindi Medical University
13. HEC Pakistan
14. PMDC
15. USAID
16. Medical Research Society of Pakistan
17. Pakistan International Neuroscience Society

Collaborative Projects/initiatives

1. Online Educational Courses
 - a. Movement Disorders
 - b. Stroke and vascular neurology
 - c. Neurology for non-neurologist
2. Visiting Faculty Program
 - a. Guest Lectures
 - b. Grandround
 - c. Teaching clinic
3. Clinical Program development
 - a. Neurology Center of Excellence
 - b. Acute Stroke Care Program
 - c. Center of Excellence for Intensive Care
4. Annual Conferences and workshops
 - a. NUMS/AMC/AAA Winter conference
 - b. Neurology workshops
5. Research Collaborative Network
 - a. ORIC collaborations
 - b. MRSP collaboration
 - c. Online collaborative network.

1. Online Educational Courses

- Neurology Curriculum enhancement at resident level. A six-month Movement disorder course was started with University of Nebraska targeting Neurology trainees across Pakistan. After its great success, a six-month Stroke course is being started this summer. Next year Epilepsy and Neuromuscular six-months courses will complete major subspecialties in the Neurology Residency training. This has been supported and much appreciated by Pakistan Society of Neurology (PSN).
- A special course will be developed for primary care physicians in Pakistan to educate them with latest in the field of Neurology, titled NEUROLOGY for ALL (Neurology for Non-Neurologist). This will be offered to Rawalpindi Medical University and later will be available in other cities.
- There is an interest in PMDC to approach APPNA for help in latest in Medical Education curriculum in line with requirement by the World Federation of Medical Education (WFME). The curriculum specialist in APPNA family will then be approach for this collaboration.
- Army Medical College has requested to enhance their undergraduate Neurology rotation for final year Medical students. Faculty development at NUMS and Army Medical College.

2. Visiting Faculty Program

- NUMS/HEC Visiting Faculty Dec 2017 (2 weeks, fully funded)
- The Board of Governors LRH has approved the designation of Visiting Consultants. To begin with two subspecialties in Neurology and in ICU project.
- We will be organizing the visiting APPNA members interested in giving medical education in Pakistani institutions. A new website collecting the data base of all such visiting consultant will be prepared. This will be divided in specialties. On the other side the database of institutional contacts in Pakistan will be prepared. The matching will take place well in advance of the visit for a smooth and effective time management. The process of data collection has been started by APPNA President blast mail, Education is caring.

3. Clinical Program development

- Lady Reading Hospital (LRH) in Peshawar KPK: Second MOU signed last year has seen the development of a Model ICU in LRH with the help of APPNA intensivist going on a rotation schedule complemented with Tele ICU efforts. The protocols and process have been developed and MS in ICU training is being explored. The research is part of this initiative.
- Second project at LRH is Neurology Center of Excellence. The Board of Governors LRH has approved all equipment and space presented in the document for foundation of COE along with the designation of Visiting Consultants. To begin with two subspecialties in Neurology Stroke and Movement Disorder have been selected for this year.
- Rawalpindi Institute of Cardiology (RIC) has requested for help set up a model post cardiac surgery ICU. The initial meetings with the leadership on both sides have started.
- In addition, Bahria hospitals need Intensivist support. They are looking towards APPNA to help their state of the art Hospitals in Karachi and Rawalpindi as well as Lahore. However, any collaboration from APPNA with private institutions is conditional upon their contribution to poor population of Pakistan as well as their commitment to advancement of Healthcare and Medical Education in Pakistan.
- Rawalpindi Medical University has requested APPNA MERIT to help develop a Neurology Center of Excellence which will be in line with the LRH project.
- NUMS has approached APPNA for help in Institute of Neuroscience in Medical City in I-17 Islamabad.

4. Annual Conferences and workshops

- The VC of NUMS Lt. Gen. Imran Majeed has plans to visit APPNA Summer Convention in Dallas and APPNA will be holding a seminar on Public Health and Global Health in the

Regions. The panel will include prominent stakeholders in Health care in the region and APPNA experts on the topic.

- In addition, NUMS will hold a one-day symposium with APPNA around the Winter Conference in Pakistan to Global and Public Health initiative of APPNA president. This day will also showcase the Research collaborations and a Research Abstract competition. The revival of Medical Research Society of Pakistan (MRSP) is part of Research Initiative.
- Finally, Global Health Initiative is a unique vision of APPNA president and will be a major focus of 2018 with two conferences around APPNA Winter Conference in Karachi, Lahore and Islamabad.

5. Research Collaborative Network

- A website portal is being created for Research projects. All Academicians and researchers in APPNA family will be invited to fill a form so that a database according to the specialty can be prepared. This will include the area of research interest and previous research projects in their profile.
- The Medical students and the young faculty interested in different research projects will approach through this forum.
- A team of PI from Pakistan along with few member and a supervising US faculty will be built for a project which will then be presented to Higher Education Committee (HEC) for funding. The HEC has allocated substantial funding for ORIC in each Medical University.

APPENDIX: State of Collaboration with Institutions:

List of Collaborative institutions/organizations

1. National University of Medical Sciences:

NUMS: APPNA has signed an MOU with National University of Medical Science in December 2017. NUMS has got funding for building a research tower in next two year in Rawalpindi and a Medical City has just been approved by Prime Minister of Pakistan in I-17. These are exciting development as NUMS view APPNA to have close collaboration as it will develop itself as leader in Healthcare and Medical Education in Pakistan.

Liaison: Dr. Mujtaba Quadri, Dean Faculty Development

2. Pakistan Society of Neurology

Ongoing online Education courses, neurology annual conferences and workshops, collegial environment, potential for MOUs.

Liaison: Prof Arsalan Ahmed

3. Movement Disorders Society of Pakistan (as above)
4. Pakistan Stroke Society (as above)

5. Lady Reading Hospital
Liaison: Dr. Nausherwan Burki

6. Rawalpindi Institute of Cardiology
Liaison: Dr. Musfireh Siddiqui

7. Army Medical College
8. Army medical college Alumni Association
9. MH/CMH Rawalpindi
10. AFGMI
Liaison: Prof Shakeel Mirza

11. Bahria Town hospitals:
Dr. Shazia

12. Rawalpindi Medical University:
VC, Prof Umar

13. HEC Pakistan:
Waseem Hashmi

14. PMDC:
Gen. Imran Majeed

15. USAID
Kanwal Bukhari

16. Medical Research Society of Pakistan
Dr. Faisal Sultan, CEO SKMCH

17. Pakistan International Neuroscience Society
Dr. Zahid Cheema