

Maternal, Neonatal and Child Health Division
Liaqute University of Medical and Health Sciences Jamshoro/ Hyderabad
June 12th 2013

**STRENGTHING THE LIAQUTE UNIVERSITY OF MEDICAL AND HEALTH SCIENCES JAMSHORO (LUHMS) BY
ESTABLISHMENT OF OBSTETRICT SKILLED LABORTORY**

Introduction

Liaqute University of Medical & Health Sciences is a degree awarding institution in Jamshoro, Sindh Pakistan. The University is currently ranked No.8 in HEC rankings for Medical Universities, offering number of graduate and post graduate courses for Medical and paramedics. Liaqute University of Medical & Health Sciences, the first public sector Medical University, has a long history of Imparting Medical Education in the region. It started as Medical School in the present Civil Hospital, Hyderabad in 1881, and the first seat of Medical learning in the province of Sind.

Rationale

Every year in Pakistan 6800 medical graduates pass from public (17) and private (16) medical colleges and majority of them through various processes/ examination lead to be posted at Primary Health care facilities (BHUs, GDs, RHCs) where do to shortage of female medic and paramedic staff they provide all the PHC services. But due to trainings gaps they did not acquire the basic skills obstetric and gynecological and are unable to address routine gynecological and obstetric complaint leading to home based deliveries non skilled persons ultimately leading to Maternal Mortality and Neonatal mortality

Same is the case with LUMHS, approximately 300 to 350 students graduate as Bachelor of Medicine and Surgery (M.B.B.S) and surgery. Majority of them get posted at Primary Health care facilities. During pre-service education, many of them have had some degree of training in the care of the mother but for most of them, competence achieved relevant to newborn care is, at best, inadequate. Moreover for different reasons (capacity of teaching departments, number of students, cultural/ religious restriction) students/ graduates/post graduate students specially the males, get less opportunity to be exposed to different procedures/ processes done in labor room and when they are posted on any BHU/RHC/THQs they feel difficulties in providing services to community again leading to maternal and infant deaths.

Developments for Obstetric Skilled Laboratory

District Jamshoro is a NPPI intervention District. Under the initiative of NPPI WHO works very close in coordination with the MNCH division of LUMHS which is headed by Dean of Basic Medical Sciences and Allied Professor Dr Salma Shaikh. Dr Salma Shaikh had a dedicated team of Pediatrics Gynecology/ Obstetrics and Community medicine working together providing,

1. Trainings of IMNCI to all Health Care providers from 23 Districts of Sindh
2. Trainings of ENC to all Health Care providers from 23 Districts of Sindh
3. Trainings of IYCF to all Health care providers of Sindh
4. Trainings of Nutrition to all Health Care providers from 23 Districts of Sindh
5. First ever Public Medical University to have notified Pre-Service committee which has modified curriculum in way that they are teaching IMNCI and ENC protocols/ strategies to undergraduate as well as postgraduate students.

Due to reasons explained above MNCH division of LUMHS in coordination with NPPI team Sindh planned to establish Obstetric skill laboratory at LUMHS and provide opportunity to students/ graduates/post graduate students specially the males to understand, learned perform processes, procedures done in Labor room and enable them to provide these services to community when posted at Health facilities.

Utility

It is purposed that the training schedule of graduates, undergraduates will be modified in way that they should learn basic processes/ procedure done in Labor room. The trainings period can vary from posting of 2 to 4 weeks. Faculty of Pediatrics, gynecology and obstetrics department will provide facilitation to students.

Initially there will be five stations for students in Laboratory dealing with Universal Precautions of Hygiene, Normal delivery, PPH, Episiotomy and resuscitation of new born. After having the training of these basic procedures it is assumed that they will be able to provide routine care to pregnant women coming to hospital more efficiently as compare to now.

Sustainability

Sustainability of this intervention is very significant issue for NPPI. Usually new interventions fail to last, organizational change is resisted and the outcomes are not maintained. This will remain concern for

NPPI team. Having said that set of steps has been taken in coordination with MNCH division and LUMHS administration.

The idea of sustainability has its roots in systems theory. Systems are sets of interacting and adaptive structures and processes which together produce functional outputs and outcomes. To make the process interacting and provide ownership of university all the instruments equipments supplied by NPPI are dealt as university supplies. In charge of the Skilled Laboratory will be responsible for the safety security and rationale use of supplied equipments and supplies. MNCH division in collaboration with along with Obstetric department and support of university modify graduate and post graduate training programs in way that every student will have to attend Obstetric Skilled Laboratory for certain period.

Mechanism of monitoring, supervision and evaluation of the posting of students will be developed by MNCH division. These steps will maintain functional outputs and outcomes within desirable parameters while adjusting and adapting to variations in process inputs. Feedback mechanisms from students will also develop to adjust system processes and structures in response to input variation to maintain outputs and outcomes.

Change is an inherent feature of systems. While systems are able to adapt to change in inputs they remain relatively sustainable. When they cannot adjust, discontinuity occurs until a new equilibrium is reached or disintegration occurs.

Annexure I

Agenda Date 12/6/13

Time	Activity	Responsible/ Person	Facilitation
8.30 am to 9 am	Welcoming of Guests	Professor Dr Akbar Nizamani Dr Ahmed Khan Laghari	
9 am to 9.30 M	All the guest be seated in conference room of Skilled Laboratory		
9.30 am to 9.45 am	Arrival of Vice Chancellor and inauguration of Obstetric Skilled Laboratory	Professor Dr Salma Shaikh	
9.45 am to 10 am	Welcome speech and objectives of the Obstetric Skilled Laboratory	Professor Dr Salma Shaikh	
10 am to 10.15 am	Worthy Vice Chancellor LUMHS Jamshoro	Professor Dr Mashoor Alam Shah, Vice Chancellor, LUMHS Jamshoro	
10.15 AM to 11 am	Visit of 5 station of Obstetric Skilled Laboratory	Team of Department of Gynecology and Obstetric lead by Dr Raheel Sikendar Associate Professor Gyn/ Obs Unit IV	
11 am to 11.30 am	Refreshments		

Annexure II

Pictures





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Regards

Pirzado











