

# Fahima Akhter Md. Al Amin

<b>Objectives</b>	To be a doctor in a career building organization (College of Medicine and allied subjects) where I can unfold my interpersonal skills, teaching quality and research ability along with my educational and professional expertise by searching, gathering and disseminating knowledge.
<b>Academic Qualification</b>	<ul style="list-style-type: none"> <li>● M.B.B.S (Bachelor of Medicine and bachelor of Surgery) from Rajshahi Medical College, University of Rajshahi, Bangladesh in 1996.</li> <li>● M Phil in Anatomy from Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh in 2006.</li> <li>● My research work was on “Gross and Histomorphological changes in the Human Preterm Placenta in the Gestational Diabetes Mellitus and Pregnancy induced Hypertention ,under the supervision of Prof. Roxana Ferdousi, Department of Anatomy, Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh.</li> </ul>
<b>Professional Experiences</b>	<ul style="list-style-type: none"> <li>● From January 2015 – to date King Faisal University, Al Ahsa 31982, Saudi Arabia Assistant professor and Coordinator, Anatomy and Physiology course, College of Applied Medical Sciences</li> <li>● From April 2012 – December 2014 Enam Medical College &amp; Hospital, Bangladesh. Professor and Head at the Department of Anatomy</li> <li>● From March 2010 – March 2012 Enam Medical College &amp; Hospital, Bangladesh. Associate Professor and Head at the Department of Anatomy</li> <li>● From April 2008 – February 2010 Enam Medical College &amp; Hospital, Bangladesh. Assistant Professor at the Department of Anatomy</li> <li>● From June 2006 – February 2008 Kumudini Women’s Medical College &amp; Hospital, Bangladesh. Assistant Professor and Head at the Department of Anatomy, after completing the post-graduation degree (from June 2003</li> </ul>

	<p>to April 2006) in Anatomy.</p> <ul style="list-style-type: none"> <li>● From July 2002 – June 2003 Kumudini Women’s Medical College &amp; Hospital, Bangladesh. Lecturer at the Department of Anatomy.</li> <li>● From August 2001 – June 2002 Worked in an International tertiary level mission hospital (LAMB hospital) as a medical officer and attended in weekly scientific paper presentation, seminar, case presentation, and handled with many Obstetrics and gynecology patients in labor ward and outdoor department. Trained on ultrasonography in obstetric case.</li> <li>● From March 1999 - July 2001 Worked as a manager as well as medical officer in a health center that is under an International NGO, BRAC (Bangladesh Rural Advancement Committee). There, I attended different training program such as TOT, Leadership training, Tuberculosis management, STD management training.</li> <li>● From February 1998 – February 1999 Worked as a medical officer in a tertiary level clinic and managed all outdoor and indoor patients, assisted in operation theatre in all types of major and minor operations cases.</li> <li>● From January 1997 – January 1998 Started professional work as an intern doctor in Rajshahi Medical College Hospital in Medicine, Surgery, Gynecology &amp; Obstetrics and Pediatrics indoor and outdoor departments.</li> </ul>
<p><b>Research Experience</b></p>	<p>From July, 2003 – December , 2005 Worked as an M Phil Researcher in the department of Anatomy in Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh.</p>
<p><b>Responsibilities</b></p>	<p>I have to address a number of the responsibilities listed below.</p> <p>(i) Roles carrying leadership and /or co-coordinating responsibilities</p> <ul style="list-style-type: none"> <li>● Teaching and learning support</li> <li>● Educational management and administration</li> <li>● Mentoring, counselling and other forms of student support</li> </ul>

	<ul style="list-style-type: none"> <li>• Participation in quality assurance procedures</li> <li>• Recruitment, selection and admission of students</li> <li>• Representing the institution or profession on external bodies</li> </ul> <p><b>(ii) Roles related to Subject Area Focus</b></p> <ul style="list-style-type: none"> <li>• Subject Area leader</li> <li>• Membership of Subject, Health &amp; Safety Committee</li> </ul> <p><b>(iii) Roles relevant to College Focus</b>  <b>A Chairmanship or membership of Anatomy Department and Subject Development Group sub-committee</b></p>
<p><b>Teaching courses</b></p>	<p>Taught both theoretical and practical of the following courses at undergraduate and postgraduate levels students:</p> <ul style="list-style-type: none"> <li>• Histology (Basic and Systemic)</li> <li>• Neuro Anatomy</li> <li>• Gross Anatomy</li> <li>• General Anatomy</li> <li>• Human Embryology</li> <li>• Cell Biology &amp; Genetics</li> </ul>
<p><b>References</b></p>	<p><b>Prof. Abdul Mannan Shikdar</b>  Principal  Enam Medical College and Hospital  9/3 Parbati Nagar  Savar, Dhaka - 1340, Bangladesh.  Mobile : +880-(0)171 303 7007</p> <p><b>Prof. Md. Mohsin Khalil</b>  Head, Department of Anatomy  Mymensingh Medical College and Hospital  Mymensingh, Bangladesh.  Mobile: +880 (0)171 266 3097</p> <p><b>Prof. A.K.M Moin Uddin</b>  Dept. of Anatomy  Enam Medical College and Hospital, 9/3 Parbati Nagar  Savar, Dhaka - 1340, Bangladesh. Mobile : +880-(0)1917 40 2237</p>

<b>Personal Information</b>	<b>Name:</b> Fahima Akhter <b>Marital Status:</b> Married with one daughter <b>Date of birth:</b> 25 <sup>th</sup> November, 1972 <b>Nationality:</b> Bangladeshi by birth <b>Religion:</b> Islam <b>Contact number:</b> 0537749681 <b>E mail:</b> <a href="mailto:falamin@kfu.edu.sa">falamin@kfu.edu.sa</a> , <a href="mailto:tanavin13@yahoo.com">tanavin13@yahoo.com</a>
<b>Research Interests Fields</b>	<ul style="list-style-type: none"> <li>● <b>Functional and Clinical Anatomy</b></li> <li>● <b>Cell and Developmental Biology</b></li> <li>● <b>Biological Anthropology</b></li> <li>● <b>Neuro Science, Development and Regeneration</b></li> <li>● <b>Morphometric &amp; Histological Analysis of Human Organs</b></li> <li>● <b>Reproductive Biology</b></li> </ul>

## PUBLICATIONS

- [1] Fahima Akhter and Roxana Ferdausi, **“Quantitative Macroscopic Study on Preterm Placenta in Gestational Diabetes Mellitus and Pregnancy Induced Hypertension”**, Mymensingh Medical Journal, Vol. 20, No. 2, pp. 280-286, 2011.
- [2] Fahima Akhter, Laila Arjuman Banu, and Roxana Ferdausi, **“Effect of Gestational Diabetes Mellitus on Gross Morphological Structure of Preterm Placenta”**, Bangladesh Journal of Anatomy, Vol. 8, No. 1, pp. 34-38, 2010.
- [3] A. Ara, M. Khalil, SZ Sultana, MS Ahmed, Fahima Akhter, N Haque, MA Haque, and Al Chowdhury, **“Morphometric Study of Vocal Fold of Different Sexes of Bangladeshi Cadaver”**, Mymensingh Medical Journal, Vol. 19, No. 2, pp. 173-175, 2010.
- [4] Fahima Akhter, Roxana Ferdausi, and Rayhana Sultana, **“Gross Morphological Variation in Preterm Placenta in Gestational Diabetes Mellitus and Pregnancy Induced Hypertension”**, Journal of Enam Medical College, Vol. 1, No. 2, pp. 71-75, 2011.
- [5] Shibani Banik and Fahima Akhter, **“- Microscopic Study of Diameter of the Renal Corpuscle of Bangladeshi People in Different Age Groups”**, Journal of Enam Medical College, Vol. 4, No. 1, pp. 36-38, 2014.
- [6] Raihana Sultana, Zaida Rahman, Fahima Akhter, Sharif Shahjalal and Ruhul Amin, **“Study of ABO and Rh-D blood group among the Garo tribal people of Mymensingh in Bangladesh”**, Journal of Enam Medical College, Vol. 4, No. 2, 2016.
- [7] Nasima Begum, Md. Mostaque Hossain Ansari, Hasna Jahan, Fahima Akhter, **“Profile of MDR-TB patients admitted in a tertiary level hospital in Bangladesh”**, International journal of pharmaceutical and medical research, Vol.5, no. 2, pp. 15-19, 2017.
- [8] Rezina Yasmin, Fahima akhter, Hasna Jahan, **“Reproductive Health Status of Rural Women In a Selected Area of Bangladesh”**, International journal of pharmaceutical and medical research, Vol.5, no. 5, pp. 6-9, 2017.

[9] Nasima Begum, Fahima Akhter, Hasna Jahan, “**Knowledge and practice of safe delivery in the rural community in Bangladesh**”, World Journal of Research and Review, Vol.6, no. 2, pp. 64-69, 2018.

### **Workshop, Training, community engagement activity**

1. Workshop on “orientation and consensus- building on Questions and Needs analysis for a question banking software “conducted by the HECAP , BSM medical university, Bangladesh.
2. Workshop on “Modernisation of Curriculum for postgraduate Anatomy courses”, conducted by the HECAP, BSM medical university, Bangladesh.
3. Workshop on “Intended learning outcomes based on national qualification framework” conducted by the Deanship of QA and Academic Accreditation, King Faisal University, KSA.
4. Training workshop on “Infection control essentials in health care settings”, conducted by the College of applied medical sciences, King Faisal University, KSA.
5. Workshop on “Over the counter drug abuse”, conducted by the College of applied medical sciences, King Faisal University, KSA.
6. Workshop on “Student centered learning and teaching: Concept, Theory and Application”, conducted by the Deanship of Academic Development, King Faisal University, KSA.
7. Workshop on “Effective communication skills “conducted by Deanship of Faculty Development, King Faisal University, KSA.
8. Participated in the Faculty Development Activities workshop on “Simulation in Nursing Education” conducted by the Massachusetts College of Pharmacy and Health Sciences (MCPHS University) under the KFU- MCPHS Cooperative project, KSA.
9. Participated in the Faculty Development Activities workshop on “Classroom/ Time management and innovative Teaching Strategies” conducted by the Massachusetts College of Pharmacy and Health Sciences ( MCPHS University ) under the KFU- MCPHS Cooperative project.
10. Participated in the professional Development Activities workshop conducted by the College Of Applied Medical Sciences- Department Of Nursing and Massachusetts College of Pharmacy and Health Sciences (MCPHS University) under the KFU- MCPHS Cooperative.
11. Participated in the “Training workshop on OSCE” conducted by the College of Applied Medical Sciences, KFU, KSA.

### **Awards**

- (a) Obtained Govt. merit Scholarship in schools and colleges period.
- (b) Obtained Govt. merit Scholarship in Medical College period.

### **Statement of research and teaching interests**

In my research, I have worked on gross and histo- morphological changes in the human preterm placenta in Gestational diabetes mellitus and Pregnancy-induced hypertension.

Globally, perinatal mortality rate (PMR) is 49.6 per 1000 live birth. One of the major causes of perinatal mortality and morbidity is preterm birth and it accounts for 6-10% of all births. Improvement of perinatal and neonatal health is largely depends on the availability of antenatal care, especially in comprehensive maternal disorders that is related otherwise to preterm birth or delivery of a handicapped baby. In my research, I have observed the macroscopic and microscopic changes in the preterm placenta in these two pregnancy-induced metabolic disorders and have compared the findings with those in the control group (non- diabetic and non- hypertensive group). In the result, the placental weight, the ratios of the placental weight to neonatal weight, volume, diameter and number of cotyledons of the placenta in the diabetic mother were more than in the hypertensive mother. Again, the number of capillaries and vasculo-syncytial membrane (VSM) present in the placental Ville were more in the diabetic mother's placenta than the hypertensive mother. Here my research work also indicated that the placental parenchymal lesions are associated with adverse neonatal outcome and it has reflected on their birth weight and APGAR scores status.

My research interests include Functional & Clinical Anatomy, Cell & Developmental Biology, Biological Anthropology, Neuro Science, Development and Regeneration, Morphometric & Histological Analysis of Human Organs, Reproductive Biology, and so on.

I do have strong teaching background in different fields of Anatomy for 15 years. I do have the responsibility to teach the undergraduate and post graduate medical students. I hope that I'll be able to implement my visions, explore my ideas and thoughts, if I get the opportunity to carry on my teaching and research regarding the subject of Anatomy at King Faisal University, Saudi Arabia.



Date: 19/3/2018

Signature: (Fahima Akhter)