## Dr. Md. Rashidul Hassan, M.D, FCPS (MED), MCPS (MED), MBBS.

Kapotakkho Shan Villa, Flat # A-6, H # 5, B-2, Road-1 Dhaka-1205 BANGLADESH

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**PERSONNEL:** 

1. Name : Mohammad Rashidul Hassan

2. Father's Name : Late Alhaj M.A. Khaleque

3. Mother's Name : Late Aklima Begum

4. Parmanent Address : Khaleque Lodge, 4 Roy Para Road

Dolekhola, Khulna, Bangladesh

5. Present address : Kapotakkho Shan Villa, Flat # A-6,

H # 5, B-2, Road-1 Dhaka-1205

**BANGLADESH** 

6. Date of Birth : January 03, 1958

7. Nationality : Bangladeshi by birth

**11.** Present Position : Chairman

**Ingenious Health Care Limited** 

12. Immediate past position : Director cum Professor

National Institute of Diseases of the Chest and Hospital,

Dhaka 1212, Bangladesh

## **PROFILE:**

- Possess Bangladeshi Citizenship by birth.
- Chairman, Ingenious Health Care Limited, Bangladesh
- Director cum Professor,

National Institute of Diseases of the Chest and Hospital [NIDCH], Dhaka 1212, Bangladesh

- A medical pioneer over last 25 years in Bangladesh in:
  - o Developing modern asthma management in Bangladesh
  - Founding Asthma Association in Bangladesh to propagate evidence based treatment and asthma education in GP level
  - o Establishing 175 bedded National Asthma Center in Bangladesh
  - o Organizing asthma research in Bangladesh
  - Initiates MDR TB management in Bangladesh on the basis of Clinical MDR without Culture report
  - o Introducing Fiber-optic Bronchoscopy in Bangladesh
  - o Introducing Radio-frequency Ablation Therapy (RFT) in lung cancer in Bangladesh

- o Fund raising and editing publications for Asthma Association in Bangladesh
- Organizing workshop on "Integrating Evidence Based Medicine in Clinical Practice" through out Bangladesh since 2008 in collaboration with Columbia University New York
- Founding Bangladesh Lung Foundation to propagate knowledge of Pulmonary Medicine At grass route level
- Founding Shouhardo Foundation to extend hand for the helpless children and aged people of Bangladesh

#### Work includes:

- a) Consultation services for admitted and outpatients with TB, MDR TB and other respiratory diseases
- b) Interpreting difficult spirometry, Body box ABG and CPET.
- c) Taking practical classes on Video Bronchoscopy
- d) Performing Video Bronchoscopy in difficult cases
- e) Taking classes and practical sessions of post-graduate students.
- f) Organizing CME programs, Journal Clubs, workshops and International conferences etc.
- g) Guide for students in thesis and research works.

## **PROFESSIONAL INTERESTS:**

- First RFA Surgeon in Bangladesh and performed more than 500 Radio frequency ablation therapy in various types of non-small cell lung cancer and metastatic lung cancer.
- First organizer to establish Center of Excellence for Bronchial Asthma and COPD patient in government level as 175 bed National Asthma Center in Bangladesh.
- First Organizer to develop treatment of Multi drug resistant Tuberculosis patient with the help of different non-government organizations [NGOs] in the National Institute of Diseases of Chest and Hospital, Dhaka, Bangladesh.
- First trainer to establish of Fiber optic Bronchoscopy in Bangladesh.
- Organizer for improvement of respiratory services for patients with chest diseases.
- First organizer to increase social awareness about importance Patient education program in chronic care patients.
- Organizer for awareness program of phasing out CFC Inhaler in Bangladesh by 2012
- Organizer of "Integrating Evidence Based Medicine in Clinical Practice" Workshop throughout Bangladesh

## **EDUCATION:**

## Doctoral degree in Medicine, (M.D.): Chest Diseases

July 1995

University of Dhaka, National Institute of Diseases of the Chest and Hospital, Mohakhali, Dhaka 1212, BANGLADESH

## Fellow of College of Physician & Surgeon, (F.C.P.S.): Medicine

January 1990

Bangladesh College of Physicians and Surgeons, Mohakhali, Dhaka 1212, BANGLADESH

# Member of College of Physician & Surgeon,, (M.C.P.S.): Medicine

January 1988

Bangladesh College of Physicians and Surgeons, Mohakhali, Dhaka 1212, BANGLADESH

### **Baccalaureate in Medicine & Surgery, (MBBS)**

September 1982

University of Chittagong, Chittagong Medical College, Chittagong, BANGLADESH

## PROFESSIONAL LICENSURE:

## Registration as a Medical Practitioner,

June 1984

Bangladesh Medical & Dental Council (BMDC) Reg. #A12348

## **HOSPITAL RESIDENCY:**

Completed one year full time rotational internship at Chittagong Medical College Hospital, Chittagong, Bangladesh from 7<sup>th</sup> March 1983 to 6<sup>th</sup> March 1984

## **RESEARCH TRAINING:**

Participated in the "Workshop on Research Methodology" conducted by Bangladesh Medical Research Council (BMRC) held in June 1992.

## **POSTGRADUATE TRAINING:**

Sl.	Name of Training	Institute	Year	Field
No.				
1.	Assistant Registrar	Sher-e-Bangla Medical College	1986-88	Internal
		Hospital, Barisal, BANGLADESH		Medicine
2.	Post Graduate training as	Sher-e-Bangla Medical College	1990-92	Internal
	Residential Physician.	Hospital, Barisal, BANGLADESH		Medicine

# MINISTRY OF HEALTH [MOH] POSTING:

Sl. No.	Designation	Place of Posting	From	То
1.	Medical Officer	Chittagong Medical College and	07-03-84	18-06-84
		Hospital, Chittagong		
2.	Medical Officer	Chitalmari Health Complex, Bagerhat	24-06-84	09-07-85
3.	Medical Officer	Deputed to IPGMandR for FCPS Part-	16-07-85	23-08-86
		I course		
4.	Asstt. Registrar	Sher-e-Bangla Medical College and	25-08-86	31-01-89
		Hospital, Barisal		
5.	Asstt. Registrar	Deputed to IPGMandR for FCPS Part-	02-02-89	09-06-90
		II course		
6.	Resident	Sher-e-Bangla Medical College and	16-06-90	13-01-93
	Physician	Hospital, Barisal		
7.	Resident	Rajshahi Medical College and	21-01-93	13-03-93
	Physician	Hospital, Rajshahi		
8.	Junior	Deputed to the Institute of Diseases of	18-03-93	05-04-95
	Consultant	the Chest and Hospital, Dhaka for		
		M.D. (Chest) course from Bhola Sadar		

## MINISTRY OF HEALTH [MOH] TEACHING POSITIONS: A total of 30 years

Sl. No.	Designation	C.C./ Regular	Subject	Place of Posting	From	То
1.	Assistant	Regular	Medicine	SBMCH, Barisal	25-08-86	31-01-89
2.	Registrar Resident Physician	Regular	Medicine	SBMCH, Barisal	16-06-90	13-01-93
3.	Assistant Professor	C.C.	Respiratory Medicine	NIDCH, Dhaka	05-04-95	18-5-99
4.	Associate Professor	Regular	Respiratory Medicine	NIDCH, Dhaka	18-5-99	10-07-04
5.	Professor	C.C	Respiratory Medicine	NAC, NIDCH, Dhaka	11-07-04	23-11-13
6.	Professor	Regular	Respiratory Medicine	NAC, NIDCH, Dhaka	23-11-13	Till date
7.	Director	C.C	NIDCH and NAC	NIDCH	21-05-12	23-11-13
8.	Director	Regular	NIDCH and NAC	NIDCH	21-05-12	03-07-16

#### **SCIENTIFIC PUBLICATIONS:**

### A. Articles:

- 1. Hassan M.R, Haque S.A, Rahman M.M. Mispresentation of Acute Myocardial infarction. *Bangladesh J. of Med.* 1992; 3(1): 9-13.
- 2. Hassan M.R, Haque S.A, Rahman M.M., Moslehuddin A.K.M. and Jalaluddin M Acute Myocardial Infarction in the young and in the elderly: A comparative study. *Bangladesh Heart J.* 1995; 10(1): 5-9.
- 3. Hassan M.R, Ahmad N., Selim G.M. Non-ulcer dyspepsia a Study of 100 cases. *Bangladesh Medical Review*, 1992; 18(1): 10-14.
- 4. Hassan M.R. Ahmed N. and Latif M.A. Familial Hyper-Cholesterolemia Type II B-a case report. *J. of Bangladesh College of Physicians and Surgeons*. 1993; 11(1): 30-33.
- 5. Hassan M.R, Ahmad N, Selim G.M. Ahmed J. Treatment of Enteric fever An experience of 57 cases. *Bangladesh Medical Review*, 1993; 19(1): 12-20.
- 6. Hassan M.R, Shaha M.M, Ali M.S. Diffuse Systemic Scleroderma a rare variety of Progressive Systemic Sclerosis a case report. *Bangladesh J. of Med.* 1993; 4(1): 22-23.
- 7. Ahmad N, Hassan M.R. Ahmed A.A. Laboratory diagnosis of enteric fever-a study of 57 cases. *Bangladesh Medical Review*, 1991; 17(2): 3-7.
- 8. Mahmood, G. Ahmad J. Hassan M.R. Comparative Study of efficacy of antihypertensive agents Methyldopa, prazosin, Hydrallazine Singly and Hydrallazine and Frusemide in combination. *Bangladesh. Medical Review*, 1992; 18(1): 3-9.
- 9. Haque S.A, Hassan M.R, Mohibullah A.K.M, Islam M.N, Jalaluddin M. Presentation of acute myocardial infraction in the diabetic and non-diabetic patients: A comparative study. *J. of Dhaka Medical College*. 1993; 2(2): 34-39.
- 10. Rahman M.M, Rahman M.H, Rahman M, Kibriyia G, Hassan M.R, Ferdous J. Experience with 70 adult cases of acute renal failure in Dhaka Medical College Hospital. *Bangladesh Renal J.* 1993; 12(2): 66-70.
- 11. Hossain M.A, Hassan M.R, Islam M.K, Moslehuddin A.K.M. Effect of Salbutamol Ipratropium Bromide and Beclomethasone on Bronchial Asthma. *Chest and Heart Bulletin*. 1995; 19(2): 41-46.

- 12. Islam M.S, Haque M.E, Hassan M.R, Hossain M.A and Moslehuddin A.K.M. Multi drug resistant Tuberculosis and its management. *Chest and Heart Bulletin*. 1996; 20(1): 25-29.
- 13. Hussain M.A, Hassan M.R, Islam M.K, Rahman M.M, Haque M.E and Moslehuddin A.K.M. Effect of aerosol Salbutamol, Ipratropium bromide and Bectomethasone on chronic bronchitis. *Chest and Heart Bulletin.* 1996; 20(1): 1-8.
- 14. Hossain A, Hassan M.R, Islam MK, Haque ME, Rahman M, Moslehuddin AKM, Effect of Bronchodilator Salbutamol Therapy administered by Meter Dose Inhaler (MDI) versus Jet Nebulizer in Bronchial Asthma. *Chest and Heart Bulletin*; 1996, 20(2): 57-61.
- 15. Hassan M.R, Hossain A, Kamaluddin A.F.M. A Comparison Study Of Self Management Plan and Traditional Treatment Of Asthma. *Chest and Heart Bulletin*; 1997; 21(1):1-7.
- 16. Hassan M.R, Hossain A, Haque ASMZ, Hossain BA, Bhuiyan SS, Rahman MM, Shammi MNH. Effect of a short course of prednisolone (rescue prednisolone) in the prevention of early relapse after emergency treatment of acute asthma. *J. of Dhaka Medical College.* 1997: 6(2): 59-64.
- 17. Hossain MA, Hassan M.R, Rahman MM, Rahman MM. Adenoid cystic Carcinoma (cylindroma) A case report . Bangladesh J of Medicine.1997;8:28-30.
- 18. Hossain M.A, Hassan M.R, Rahman M.M, Ali S.M.K, Nutritional Status and effect of Nutrition in COPD. *Chest and Heart Bulletin*; 1997; 21(2):51-55.
- 19. Hossain M.A, Hassan M.R, Rahman M.M, Hossain B.A, Haque M.E, Rahman M.M, Zaman A.M.I, Eventretion of Diaphragm case report. *Chest and Heart Bulletin*; 1997; 21(2):51-55.
- 20. Hassan M.R, Hossain MA, Mahmud AM, Amin MR, Rahman M, Hasan MJ. Natural history of pediatric asthma and its prevention: A review article. *Chest and Heart Journal*; 1998; 22(1):32-37.
- 21. Hossain MA, Hassan M.R, Rahman M, Ahmed MM, Mahmud AM, Hossain BA, Rahman MM Haque MN.Fiberoptic Bronchoscopy in IDCH-Beginning and experiences. *Chest and Heart Journal*; 1998; 22(1):1-3.
- 22. Hassan M.R, Hossain MA, Mahmud AM, Current concept of pulmonary function testing. *J. of Dhaka Medical College.* 1998: 7(1): 44-51.
- 23. Bennoor K.S, Hassan M.R, Mahmud AM, Sofiullah M, Pitfalls in asthma management. *Chest and Heart Journal*; 1999; 23(1): 44-46.
- 24. Sofiullah M, Hossain M A, Hassan M.R, Rahman MM, Immunotherapy and its role in asthma and allergic diseases. *Chest and Heart Journal*; 1999; 23(1): 47-51.
- 25. Hossain MA, Hassan MR, Bennoor KS, An eye on environmental pollution: Do we care? *Chest and Heart Journal*; 1999; 23(2): 94-97.
- 26. Mahmud AM, Bennoor KS, Lutfor AB, Hassan M. R, Hossain MA, Huq AKMS, Multi drug Resistant Tuberculosis an old enemy but a new enigma. *Chest and Heart Journal*; 1999; 23(2): 98-105.
- 27. Hossain MA, Hassan M.R, Mahmud AM, Bhuiyan MSS, Anwar MM, Rahman MM, Silicosis not an uncommon problem case report. *Chest and Heart Journal*; 1999; 23(2): 106-109.
- 28. Ahmad N, Hassan M.R, Halder H, Bennoor KS, Effect of *Momordica Charantia* (Karolla) extracts on fasting and postprandial serum glucose levels in NIDDM patients. Bangladesh Medical Research Council Bulletin. 1999; 25(1): 11-13.
- 29. Hassan M.R, ARM L. Kabir, Asif M. Mahmud, Md. A. Hossain, Abu NGA Khan, Md. Ruhul Amin. Prevalence of Pediatric Asthma in Bangladesh- First National Asthma Prevalence Study (1999). *Pediatric Research*, 2000. Vol 47, No.4; part 2 of 2: 196A
- 30. Bhuiyan M.S.S , Hiron MM, Mahmud AM, , Hossain MA, Begum S, Hassan M.R, Rahman MM, Sofiullah M. Diagnostic role of Bronchoalveolar Lavage (BAL) in suspected cases of Sputum negative pulmonary tuberculosis. *Chest and Heart Journal* 2000; 24,(2): 42-46
- 31. Rahman MM, Hossain MA, Hassan MR, Bhuiyan MSS, Ahmad MM. Importance of Bronchial Biopsy, Brushing and BAL as diagnostic modalities in Respiratory Medicine. *Chest and Heart Journal* 2000; 24,(2): 47-51
- 32. Mahmud AM, Miah MN, Bennoor KS, Hassan M.R, Hossain MA, Kamaluddin AFM, Rahman ME, Bhuiyan M.S.S., Ahmad MM. A pilot study on screening of high-risk individuals for early detection of lung cancer. *Chest and Heart Journal* 2000; 24(2): 63-68

- 33. Bennoor KS, Bhuiyan M.S.S, Ali T, Hassan M.R, Hossain MA, Mahmud AM, Treatment of COPD: an update of pharmacological approaches. *Chest and Heart Journal* 2000; 24(2): 100-106
- 34. Hossain MA, Hassan M.R, Mahmud AM. Immunotherapy: Its role in asthma and allergic diseases. *Medicine Digest*, Jan-Mar. 2001; 1(3): 3-4
- 35. Hassan M.R, Kabir ARML, Mahmud AM, Rahman AKMF, Hossain MA, Bennoor KS, Rahman MM, Amin MR, Hossain BA, Bhuiyan M.S.S, Sofiullah M, Huq AKMS. Report on National Asthma Prevalence Study In Bangladesh 1999. Asthma Association, Dhaka, 1999.
- 36. Hassan M.R, Hossain MA, Mahmud AM, Bennoor KS, Bhuyiyan MSS, Haque MN, Rahman MM, Shofiullah M. Nedocromil Sodium in the management of asthma in patients of less than 18 years age. *Chest and Heart Journal* 2001; 25,(1): 5-9
- 37. Hassan M.R, Mahmud AM, Hossain MA, Bennoor KS. Diagnosis and management of adult asthma: Excerpts from National Asthma guidelines for medical practitioners. *Medicine Digest*, July-Sept. 2001; 2(1): 5-9
- 38. Mahmud AM, Alam MM, Hassan BS. Hassan M.R et al. Multi-drug resistant Tuberculosis-Experiences of treatment at IDC&H. *Chest and Heart Journal 2001*; 25,(2): 74-79
- 39. Rahman MA, Kamal SMM, Hossain MA, Hassan M.R, Ahmed F, Rahman M, Banu FA, Rahman MA. Role of Induced Sputum Differential cell count for assessment of severity in Persistent Asthma. Chest and Heart Journal 2001; 25(2):80-84.
- 40. Rahman MM, Hossain MA, Hassan M.R Mahmud AM, Bhuiyan M.S.S, Bennoor KS, Majumder SC, Ahmad MM. Chronic cough- study of 30 cases. *Chest and Heart Journal* 2001; 25 (2): 103-106
- 41. Rouf A, Hassan M.R, Hiron MM, Rahman MM, Hossain BA, Rahman MA, Hossain AKMM. Role of Bronchoprovocation (Methacholine Challenge test) in Bronchial asthma Patient Presenting with Chronic Cough. *Chest and Heart Journal* 2002; 26 (1):6-9.
- 42. Quiyyum MA,Hiron MM, Islam MS, Rouf MA, Rahman SMS, Jahan R, Hassan M.R, Rahman MM. Role of Bronchial Brushing and Bronchial Biopsy in the Diagnosis of Lung cancer. *Chest and Heart Journal* 2002; 26,(2): 54-61.
- 43. Hassan M.R, Kabir ARML, Mahmud AM, Rahman F, Hossain MA, Bennor KS, Amin MR, Rahman MM. Self-reported asthma symptoms in children and adults of Bangladesh: findings of the National Asthma Prevalence Study. Int. J Epidemiol 2002; Apr; 31(2):483-488
- 44. Kabir ARML, Hassan M.R, Rahman AKMF, Amin MR, Mahmud AMM, , Hossain MA, Bennor KS, Rahman MM. Prevalence of Reported Asthma Symptoms in Children of Bangladesh. Bangladesh J Child Health 2002; 26(1/2): 3-8.
- 45. Rahman SMS, Qayyum MA, Hiron MM, Rahman MM, Hassan M.R, Hossain MA, Rahman MA. Prednisolone as Therapeutic Adjunct in Tuberculous Pleural Effusion. *Chest and Heart Journal* 2003; 27,(2): 64-69.
- 46. Qayyum AM, HassanMK, Alam MM, Rouf MA, Hassan M.R, Mahmud AM, Hiron MM. Pleural effusion in Nerofibromatosis-A case Report. *Chest and Heart Journal* 2002; 26,(2): 107-9.
- 47. Chowdhury S, Chowdhury A Y, Rouf M A, Ahmed S, Chakrabarty R, Hussen AKMM, Rahman MM, Islam MZ, Hiron MM, Hossain MA, Rahman M A, Rahman MM, Hassan M.R, Diagnostic Role of Tuberculin Test in Pulmonary Tuberculosis and its Clinical Correlations. *Chest and Heart Journal* 2004; 28(1): 4-10.
- 48. Chakrabarty R, Hassan M.R, Jessy KH, Mahmud AM, Qayyum A, Ganguly KC, Rouf A, Hiron MM, Rahman MS, Alam MM. Eosinophilic Granuloma: Acase report. *Chest and Heart Journal* 2004; 28(1): 32-33.
- 49. Hossain M.D, Rahman MM, Hassan M.R, Hossain MA, Hiron MM, Mahmud AM, Hossain AKMM, Khan MSR, Islam SAHMM, Rouf MA. Assessment of Effect of inhaled Furosemide Compared to Salbutamol in Asthmatic Patients. *Chest and Heart Journal* 2005; 29(1):15-25.

- 50. Sarker MZH, MA Hossain, Hassan M.R, Khair MM, Hiron MM, Mahmud AM, Rahman MM, Ahmed MM, Alam MK, Majumder S, Rouf A,Rouf A, Mamun AA. Determination of Predictors for Peak Expiratory Flow Rate (PEFR) in Normal Adults (18-45 Years) *Chest and Heart Journal* 2004; 29(2): 79-89.
- 51. Khair MM, Sarker MZH, Hossain MA. Hassan M.R, Hiron MM, Mahmud AM, Rahman MM, Ahmed MM, Rouf MA. Role of Intravenous Magnesiumm Sulphate in severe Acute Asthma. *Chest and Heart Journal* 2004; 29(2): 90-99.
- 52. Hassan M.R, Bennoor KS, Rahman MF, Mahmud AM, Hossain MA, Habib GMM, Kabir MH, Kamaluddin AFM, Ali T, Shamsul Huq AKM. Incidence of Pulmonary tuberculosis in Garments Workers of Dhaka city, Bangladesh. *Bangladesh Med Res. Counc. Bul.* 2005; 31(1): 7-14.
- 53. Hassan M.R, Bennoor KS, Rahman F, Kabir ARML, Mahmud AM, Haque ME, Ahmad MM, Habib GMM, Kabir MH, Hossain MA, Rahman MM. Prevalence of Asthma in highly Polluted Coastal area of Bangladesh. *The Indian Journal of Allergy, Asthma and Immunology*. 2005; 19(2): 85-92.
- 54. Hassan MR, Hossain MA, Mahmud AM, Kabir AR, Habib GM, Rahman MM, Bennoor KS. Scoring system-a guide for general practitioners enabling proper selection of drugs in step care management of asthma. *Primary Care Respiratory Journal*. 2006; Vol. 15, No. 3: 187.
- 55. Haque AZ, Rahman MM, Hassan MR, Hiron MM, Mahmud AM, Rouf MA, Role of 7 Day and 14 Day courses of Prednisolone Treatment in Acute Exacerbation of COPD. *Chest and Heart Journal* 2008; 32(1): 01-07.
- 56. Sani MA,, Rahman MM, Mahmud AM, Hiron MM, Hossain A, Hassan MR, Rouf MA, Rahim M. A Randomized controlled comparison of Triotropium and Ipratropium in the treatment of Chronic Obstructive Pulmonary Disease. *Chest and Heart Journal 2008*; 32(2): 68-80.
- 57. Hoque MN, Islam SAHMM, Hossain BA, Hassan MR, Ullah MB, Huq SR. Non-Invasive Ventilation and its Role in COPD. *Chest and Heart Journal 2009*; 33(1): 59-65.
- 58. Huq SR, Hassan MR, Hiron MM, Rouf MA, Hoque MN, Sultana N, Ahmed TII, Ullah MB. Sublingual Immunotherapy (SLIT):An Emerging Therapy?- A Review *Chest and Heart Journal* 2009; 33(2): 134-137.
- 59. Huq SR, Hiron MM, Ahmed TII, Sultana N, Hassan MR. Efficacy of Sublingual Immunotherapy (SLIT) in the Management of Mite Sensitive Bronchial Asthma and Allergic Rhinitis. *Chest and Heart Journal* 2010; 34(1): 1-11.
- 60. Ahmed TII, Huq SR, Mahmud AM, Hassan MR. Role of Prednisoslone in the Acute Exacerbation of Bronchiectasis. *Chest and Heart Journal 2010*; 34(1): 12-20.
- 61. Ali MR, Rashid M, Ahmed M, Rouf MA, Hossain MDA, Hassan MR. Comparison of Inhaled Levosalbutamol Vs Salbutamol in the Emergency Treatment of Severe Acute Asthma. *Chest and Heart Journal* 2010; 34(1): 46-52.
- 62. Hoque MN, Datta NC, Raihan MA, Ullah B, Rahman SML, Hassan MR. COPD in Female as Frequent Misdiagnosis-A Case Report. *Chest and Heart Journal 2010;* 34(1): 62-65.
- 63. Rashid MM, Ahmed M, Hossain D, Sarwar MG, Zaman Y, Nigar A, Hassan MR. Pulmonary Metastasis of a Papillary Adeno-Carcinoma of Ovary in a pregnant Lady. Mymensigh Medical Journal January 2012; 21(1): 175-178.
- 64. Md Rashidul Hassan., et al. "SEF Staging: A Novel Approach to Optimal COPD Management". EC Pulmonology and Respiratory Medicine 2016; 2(5): 163-171.

## **B. Abstracts & Oral Presentations:**

- 1. Management of Asthma at home in 1st Workshop on Asthma at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 5, 1996.
- 2. Concept of COPD: An Update in 2nd Workshop on Asthma & COPD at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 5, 1997.
- 3. Pitfalls in asthma management in 3rd Workshop on Asthma & Chest diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 6, 1998.
- 4. Multi Drug Resistant Tuberculosis: problem on the rise in 20th Scientific Seminar of the Chest and Heart Association of Bangladesh at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, December 17, 1998.
- 5. Multi Drug Resistant Tuberculosis: an update on diagnosis and management in 20th Scientific Seminar of the Chest and Heart Association of Bangladesh at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, December 17, 1998.
- 6. 1st National Asthma Prevalence Study (NAPS) in Bangladesh 1999 in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 2, 1999.
- 7. From Non-Compliance to DOTS: Proposed Role of Family Physicians in TB Control. in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 3, 1999.
- 8. Fibreoptic Bronchoscopy for the diagnosis of lung lesions- experiences from a private center in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 3, 1999.
- 9. Prevalence of Tuberculosis among garment workers of Dhaka city: A pilot study in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 4, 1999.
- 10. A Pilot Study on Screening of High Risk Individuals for Early Detection of Lung Cancer- in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 3, 1999.
- 11. Clinical Experience and Treatment outcome of Cough Variant Asthma. in 1st International Workshop on Asthma & Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, November 4, 1999.
- 12. Screening of High Risk Individuals for Early Detection of Lung Cancer- A Pilot Study. Presented at 21st scientific seminar of the Chest & Heart Association of Bangladesh, Dhaka. March 30, 2000.
- 13. Caring, compassionate, caution and comforting: the criteria for efficient communication in carcinoma lung in 22nd Scientific Seminar of the Chest and Heart Association of Bangladesh at Hotel Sheraton, Dhaka, November 18, 2000.
- 14. Attitude and perception of family members of patients with lung cancer preliminary findings. Presented at 22nd Scientific Seminar of the Chest & Heart Association of Bangladesh, Dhaka. November 18, 2000.
- 15. Prevalence and morbidity of Tuberculosis among garment workers of Dhaka city. Presented at 21st IUATLD Eastern region conference, March 2001, Manila, Philippines.
- 16. Attitude and perception of family members of patients with lung cancer. Presented at 1st SAARC Conference on Clinical Oncology, Dhaka. March 2001.
- 17. Comparative study of hypertonic saline and methacholine in bronchoprovocation test for asthma patients in 5th Workshop on Asthma and Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, May 1, 2001.
- 18. Patient follow-up, pitfalls and misconceptions in asthma in 5th Workshop on Asthma and Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, May 1, 2001.
- 19. Tele monitoring of bronchial asthma: a new frontier in 5th Workshop on Asthma and Chest Diseases at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, May 2, 2001.
- 20. Study of Capecitabine in the treatment of Billiary Cancers in Seminar on Xeloda at Pan Pacific Hotel Sonargaon, Dhaka, May 2001.

- 21. Air Pollution and Chest Diseases in International Seminar on Air Pollution in Dhaka City, Organized by Franco-Bangladesh Association of Scholars and Trainees, October 30, 2001.
- 22. The challenge of Chest diseases: are we prepared to face it? - in 23rd Annual Conference of The Chest and Heart Association of Bangladesh at Hotel Sheraton, Dhaka, January 24, 2002.
- 23. Patient's access to Bronchoscopy Analysis of pertinent factors. 23rd Annual Conference of The Chest and Heart Association of Bangladesh at Hotel Sheraton, Dhaka, January 24, 2002.
- 24. Resistant Tuberculosis an emerging challenge. in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 29, 2002.
- 25. Prevalence rate and complications of pulmonary tuberculosis in garment workers of Dhaka city. in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 29, 2002.
- 26. Ablation of lung tumors using percutaneous Radio Frequency Therapy (RFT): A promising alternative. in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 30, 2002.
- 27. Magnitude of asthma problem in Bangladesh: findings of National asthma Prevalence Study 1999. in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 30, 2002.
- 28. Prevalence of asthma in areas with high and low pollution in Bangladesh a comparative study. in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 30, 2002.
- 29. Etiology of chronic cough in suspected patients of Cough Variant Asthma a prospective study. \_ in Intercollegiate Scientific conference, organized by Bangladesh College of Physicians & Surgeons, at BCPS Auditorium, Dhaka, January 30, 2002.
- 30. Study of Asthma/Wheeze in Bangladesh. in Scientific Seminar to disseminate research results, organized by Bangladesh Medical Research Council, at IPH Conference Hall, Dhaka, February 14, 2002.
- 31. Air Pollution and Chest Diseases in 1st National Conference on Environmental Health in Bangladesh, Organized by Bangladesh Poribesh Andolon (BAPA), at Sasakawa Auditorium, ICDDRB, Dhaka, February 19, 2002.
- 32. A comparative study on asthma prevalence in areas with high and low pollution in Bangladesh. in 6th Workshop on Asthma and Chest Diseases, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 7, 2002.
- 33. Methacholine bronchoprovocation test experience in a private hospital. in 6th Workshop on Asthma and Chest Diseases, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 8, 2002.
- 34. Radio Frequency Ablation Therapy in Lung Cancers: Bangladeshi experiences. in 6th Workshop on Asthma and Chest Diseases, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 8, 2002.
- 35. Telemedicine in asthma management in rural areas using digital stethoscope and spirometry. . in 6th Workshop on Asthma and Chest Diseases, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 9, 2002.
- 36. Combination therapy in asthma management. in 6th Workshop on Asthma and Chest Diseases, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 9, 2002.
- 37. A new approach to asthma management with combination therapy. in 1st annual conference of National Primary Care Physician Respiratory Group (NPCRG), Khulna, September 20, 2002.
- 38. Role of different risk factors in development of asthma in the coastal population of Bangladesh. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 6, 2003.
- 39. Newer frontiers in asthma management: NAEPP Expert Panel Report update 2002. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 6, 2003.
- 40. Diagnosis and Management of asthma: Recent guidelines of British Thoracic Society. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 6, 2003.

- 41. Measurement of health related quality of life by giving combination therapy in single device and multiple devices. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 6, 2003.
- 42. Effects of dietary modification on COPD patients. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 6, 2003.
- 43. Skin prick testing allergens in asthma patients: experiences at a private center. in 7th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 7, 2003.
- 44. A comparative study on asthma prevalence in high & low pollution areas of Bangladesh. in XVII World Asthma Congress, St. Petersburg Russia. 5-8 July 2003.
- 45. Radio frequency ablation therapy (RFT) in lung cancer Bangladeshi experiences. in 22nd IUAT&LD Eastern Region Conference, Katmandu, Nepal. September 22-25, 2003.
- 46. Impediments to patient's access to bronchoscopy in Bangladesh in 22nd IUAT&LD Eastern Region Conference, Katmandu, Nepal. September 22-25, 2003.
- 47. Fibreoptic bronchoscopy at YDF hospital: Analysis of referrals & impediments. in 4<sup>th</sup> national Convention & Scientific Seminar of Bangladesh Society of Medicine, at Dhaka Sheraton Hotel, Dhaka, December 14, 2003.
- 48. Prevalence of reported asthma symptoms in children of Bangladesh. in 1st National Congress & Scientific Session of Bangladesh Pediatric Pulmonary Forum. Dhaka Sheraton Hotel, Dhaka. December 17, 2003.
- 49. Childhood asthma: Six years' experience at the asthma center in NIDC&H. in 1st National Congress & Scientific Session of Bangladesh Pediatric Pulmonary Forum. Dhaka Sheraton Hotel, Dhaka. December 17, 2003.
- 50. Telemedicine in Bangladesh. in workshop on telemedicine at Bangladesh University of Engineering & Technology. Dhaka, January 9, 2004.
- 51. A comparative study on asthma prevalence in high and low pollution areas of Bangladesh. in 4th World asthma Meeting, Bangkok, Thailand. February 16-19, 2004.
- 52. Role of different risk factors in the development of asthma in coastal areas of Bangladesh. in 4th World asthma Meeting, Bangkok, Thailand. February 16-19, 2004.
- 53. Effects of dietary modification on some aspects of anthropometry and pulmonary functions in patients with COPD. in 4th World asthma Meeting, Bangkok, Thailand. February 16-19, 2004.
- 54. Salbutamol as MDI with holding chamber is equally effective as nebulized salbutamol in acute asthma. in 4th World asthma Meeting, Bangkok, Thailand. February 16-19, 2004.
- 55. Radio frequency ablation therapy (RFA) in lung cancer: state of art issue and practical experiences in Bangladesh. in Joint Conference of College of Physicians & Surgeons Pakistan and Bangladesh College of Physicians & Surgeons. Karachi, Pakistan. March 7-9, 2004.
- 56. Effects of dietary modification on some aspects of anthropometry and pulmonary functions in patients with COPD. in Joint Conference of College of Physicians & Surgeons Pakistan and Bangladesh College of Physicians & Surgeons. Karachi, Pakistan. March 7-9, 2004.
- 57. Role of different risk factors in the development of bronchial asthma in coastal area in Joint Conference of College of Physicians & Surgeons Pakistan and Bangladesh College of Physicians & Surgeons. Karachi, Pakistan. March 7-9, 2004.
- 58. Women's issue in pulmonary medicine and it's management. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 59. Role of different risk factors in the development of bronchial asthma in Bangladesh: an age, sex and economic status matched prospective study: Introduction & Methodology. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 60. Role of different risk factors in the development of bronchial asthma in Bangladesh: an age, sex and economic status matched prospective study: Results. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4,2004.
- 61. Role of different risk factors in the development of bronchial asthma in Bangladesh: an age, sex and economic status matched prospective study: Discussion & Conclusion. in 8th Workshop on Asthma

- and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 62. Long acting bronchodilators in asthma management. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4,2004.
- 63. Nutrition and respiratory diseases. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 64. Effects of dietary modification on pulmonary functions in patients with stable COPD. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 65. An insight into asthma and the environment. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 66. An account of indoor allergens. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4, 2004.
- 67. Prevention of asthma: strategies for control of indoor allergens. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4. 2004.
- 68. Environment and lifestyle factors in pediatric asthma. in 8th Workshop on Asthma and COPD, at Institute of Child & Mother Health Auditorium and Dhaka Sheraton Hotel, Dhaka, May 3-4,2004.
- 69. Role of different risk factors in the development of Bronchial asthma in Bangladesh: an age, sex and economic status matched prospective study. in World Conference on Magic Bullets, Celebrating Paul Ehrlich's 150th Birthday, Nurnberg, Germany. September 9-11, 2004.
- 70. Practical aspects in the diagnosis and management of allergic diseases: an experience in Bangladesh.

   in 10th Biennial Congress of the Trans-Pacific Allergy & Immunology Society. Hilton Towers, Mumbai, India. November 22-23, 2004.
- 71. Role of different risk factors in the development of bronchial asthma in Bangladesh: an age, sex and economic status matched prospective study. in 10th Biennial Congress of the Trans-Pacific Allergy & Immunology Society. Hilton Towers, Mumbai, India. November 19-23, 2004.
- 72. Effects of modified diet on stable COPD patients. in 12<sup>th</sup> National Convention & Scientific Session, Bangladesh Physiological & Pharmacological Society. Ibrahim Medical College, Dhaka. December 3, 2004.
- 73. Telemedicine in Bangladesh: present & future. in 16th Annual Convention & Scientific Conference, Association of Physicians of Bangladesh. Pan Pacific Sonargaon Hotel & Milon Hall, BSMMU, Dhaka. March 23, 2005.
- 74. Effects of air pollution on respiratory health: bird's eye view. in 9th Workshop on Asthma and COPD, at Bangladesh-China Friendship Conference Center, Dhaka, May 3-4, 2005.
- 75. A study of ambient air pollution level in Dhaka city and it's effect on lung functions. in 9th Workshop on Asthma and COPD, at Bangladesh-China Friendship Conference Center, Dhaka, May 3-4, 2005.
- 76. In depth investigation of Risk factors of asthma in a developing country. in American Thoracic Society Conference, San Diego California, USA, May 20-25, 2005.
- 77. Health hazards of air pollution an update. in National Scientific Session of Bangladesh Physiological & Pharmacological Society 2005 at Mymensingh Medical College, July 10, 2005.
- 78. Allergen avoidance strategies in bronchial asthma. 3rd national Conference, Bangladesh Society of Allergy & Immunology. Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, September 22, 2005.
- 79. High vegetable fat and low carbohydrate diet in malnourished stable COPD patients effects on anthropometry and lung functions in 23rd IUATLD Eastern region conference, September 25-28, 2005, Lahore, Pakistan.
- 80. Etiology of asthma: an in-depth investigation of risk factors in a developing country in 23rd IUATLD Eastern region conference, September 25-28, 2005, Lahore, Pakistan.
- 81. High prevalence of asthma in low polluted coastal areas in Bangladesh warrants in depth investigation on causes of asthma in low-income countries. in 23rd IUATLD Eastern region conference, September 25-28, 2005, Lahore, Pakistan.

- 82. Asthma in Bangladesh: magnitude of the problem, situation analysis & follow-ups. in 2nd International Congress on Pulmonary Diseases, Intensive Care and Tuberculosis, organized by National Research Institute of Tuberculosis and Lung Diseases. Tehran, Iran. November 15-18, 2005.
- 83. Telemedicine in Bangladesh (Key-note paper). in IT festival, organized by Computer Club of Dhaka Medical College, at DMC, Dhaka, February 5, 2006.
- 84. Asthma in Bangladesh: magnitude of the problem, situation analysis & follow-ups. in International Biennial Conference on Tuberculosis & Lung Diseases, organized by Pakistan Chest Society, at Hotel Pearl Continental, Karachi, April 19-21, 2006.
- 85. Effects of nutritional modification on anthropometry and lung functions of COPD patients. in International Biennial Conference on Tuberculosis & Lung Diseases, organized by Pakistan Chest Society, at Hotel Pearl Continental, Karachi, April 19-21, 2006.
- 86. Experiences in managing multi-drug resistant tuberculosis (MDR-TB) at NIDC&H in Bangladesh in International Biennial Conference on Tuberculosis & Lung Diseases, organized by Pakistan Chest Society, at Hotel Pearl Continental, Karachi, April 19-21, 2006.
- 87. Telemedicine in Bangladesh: present & future. in International Biennial Conference on Tuberculosis & Lung Diseases, organized by Pakistan Chest Society, at Hotel Pearl Continental, Karachi, April 19-21, 2006.
- 88. Basic facts about asthma. in 10th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 1, 2006.
- 89. Evaluation of self care manual in bronchial asthma. in 10th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 1, 2006.
- 90. Experience of radio frequency ablation therapy (RFA) in a developed and a developing country an encouraging scenario. in 10th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 1, 2006.
- 91. Country profiles on asthma- Asthma in Bangladesh: magnitude of the problem, situation analysis & follow-ups. in 10th Workshop on Asthma and COPD, at Bangladesh College of Physicians & Surgeons (BCPS) Auditorium, Dhaka, May 2, 2006.
- 92. Radio frequency ablation (RFA): a component of multimodality treatment of non-small cell lung cancer (NSCLC). in Inaugural Australian Lung Cancer Conference: Multidisciplinary Care. Cairns, Queensland, Australia. June 30 July 2, 2006.

#### C. Books, Book Chapters & Journals:

- 1. Hassan M.R [Editor in chief] Hossain MA, Mahmud AM, Kabir ARML, Amin MR, Bennoor KS, Rahman MM. eds. *National Asthma guidelines for medical practitioners* 1<sup>st</sup> ed. Asthma Association, Dhaka, 1999.
- 2. Hassan M.R [**Editor in chief**] Hossain MA, Mahmud AM, Kabir ARML, Amin MR, Bennoor KS, Rahman MM. eds. *National Asthma guidelines for medical practitioners* 2<sup>nd</sup> ed. Asthma Association, Dhaka, 2001.
- 3. Hassan M.R [Editor in chief] Hossain MA, Mahmud AM, Kabir ARML, Amin MR, Bennoor KS, Rahman MM. eds. *National Guidelines : Asthma, Bronchiolitis and COPD*. Asthma Association, Dhaka, 2005.
- 4. Hassan M R [Editor in Chief] Hossain MA, Mahmud AM, Kabir ARML, Amin MR, Bennoor KS, Rahman eds. Bangladesh Lung Health Manual, Volume 1, Asthma, Bangladesh Lung Foundation, Dhaka, 2009

## **AUTHOR OF BOOKS:** (Manuscripts are written in native language *Bengali*)

- 1. Asthma Guide for patient
- 2. Asthma management plan and asthma Diary
- 3. Spacer and Nebulizer
- 4. Exercise and Asthma
- 5. Peak Flow Meter and Self Management plan
- 6. Steroid and Asthma
- 7. Childhood Asthma
- 8. Pregnancy and Asthma
- 9. Asthma Training Manual for Nurses

## **PRODUCER OF VIDEO TAPES:** (Manuscripts are written in native language *Bengali*)

- 1. Effortless easy breathing
- 2. Childhood Asthma
- 3. Inhaler, Spacer and Nebulizer in Asthma
- 4. Use of Peak Flow Meter and Self Management Plan
- 5. Use of Oxygen in Medical Science
- 6. Allergy and prevention of allergy

# LIST OF COMPLETED RESEARCH PROJECTS:

- 1. Effect Of *Momordica Charantia* (Karolla) extracts on Fasting and Postprandial (2 Hours After 75 Gm Oral Glucose) Serum Glucose Levels in NIDDM Patients. This work was supported by a grant from Bangladesh Medical Research Council (BMR*C*) 1991 as a Co-Investigator.
- 2. Determination of Predictive Indices in Corticosteroids Responders and Non-Responders suffering from Chronic Obstructive Pulmonary Diseases (COPD) 1995. This work was supported by a grant from Bangladesh Medical Research Council (BMRC) as a Principal Investigator.
- 3. National Asthma Prevalence Study -1999, Bangladesh This work is supported by a grant from Asthma Association and The Chest & Heart Association of Bangladesh as a Principal Investigator.
- 4. Prevalence rate, and complications of tuberculosis in garments worker of Dhaka city 2000. This work is supported by a grant from Bangladesh Medical Research Council (BMRC).---- as a Principal Investigator
- 5. A Comparative Study on Asthma Prevalence in Areas with High & Low Pollution in Bangladesh 2001. This work is supported by a grant from Bangladesh Medical Research Council (BMR*C*) as a Principal Investigator.
- 6. Role of different risk factors in the development of Bronchial asthma: an age, sex and economic status matched case control study ---- Self financed as a Principal Investigator.
- 7. Burden of Obstructive lung Diseases Study of Bangladesh, 2006 (BOLD study-2006) by a grant from Bangladesh Medical Research Council (BMR*C*), as a Principal Investigator.
- 8. Refectory Asthma Risk factor analysis: a case control study, 2007,v

### LIST OF ONGOING RESEARCH PROJECTS:

- 1. Etiological pattern of Community acquired pneumonia (CAP) in Bangladesh.
- 2. Detection of different Bangladeshi allergen triggering allergy and asthma.
- 3. Role of Tranexamic acid nebulization in the treatment of hemoptysis, a randomized single blind control trial.
- 4. Role of oral Retinol & Zinc therapy in open Pulmonary Tuberculosis, a randomized single blind control trial.

### **PROFESSIONAL INTERESTS:**

- First RFA Surgeon in Bangladesh and performed more than 100 Radio frequency ablation therapy in various types of non-small cell lung cancer and metastatic lung cancer.
- First organizer to establish Center of Excellence for Bronchial Asthma and COPD patient in government level as 175 bed National Asthma Center in Bangladesh.
- Organizer to develop treatment of Multi drug resistant Tuberculosis patient with the help of different non-government organizations [NGOs] in the National Institute of Diseases of Chest and Hospital, Dhaka, Bangladesh.
- First trainer to establish of Fiber optic Bronchoscopy in Bangladesh.

- Organizer for improvement of respiratory services for patients with chest diseases.
- First organizer to increase social awareness about importance Patient education program in chronic care patients.
- Organizer for awareness program of phasing out CFC Inhaler in Bangladesh by 2012
- Organizer of "Integrating Evidence Based Medicine in Clinical Practice" Workshop throughout Bangladesh

## PROFESSIONAL MEMBERSHIP & AFFILIATION:

- Founding President of Bangladesh Lung Foundation
- Editor in Chief, National Asthma guidelines for Medical Practitioners 1999, 2001 & 2005
- General Secretary, Asthma Association, Bangladesh, 1994 to till 2006.
- Coordinator, Research Cell, The Chest and Heart Association of Bangladesh, 1998-2000.
- Scientific Secretary, Bangladesh Society of Allergy and Immunology (BANSAI)
- Life Member, Bangladesh College of Physicians and Surgeons
- Life Member, Asthma Association, Bangladesh.
- Life Member, The Chest and Heart Association of Bangladesh.
- Life Member, Bangladesh Medical Association
- Member, American College of Chest Physician
- Member, American Thoracic Society
- Member, Editorial Board, Journal of Asia Pacific Society of Respir, ology (APSR)